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49SA45@' <4.2' .20' =A6.7C6' C899056' "8<6' 89D' =79D4.479' 73' .20' ?8547A6' :07:"06' =7C:50209D0D' <4.249' .20' "4C4.6O73' 246' ?86.' 0C:450' 49DA=0D' 24C' .7' ;0' =79.49A8""@' .59?O""49 i' .257AB2' 4.6' D4"4 509.' :57?49=06' 89D' =7"794=6' .7' ?464.' .20' =2403' =4.406' 89D' .7' 496:0=.' .20' :549=4:8""0B479G 85@' C866O6' 73' .20' 7C89' 899@' 0' C8D0' .2060' 0I=A5647960 M73' B508.05' 75' "066' 0I.09.' 89D' 7==A:@49B' C750' 75' "066' .4CON' 8==7C:8940D' ;@ 79"@' 8' 30<' 8..09D89.6' B09058""@' 79' 377.' 89D' 73.09' ;850E208D0D' 60049B' 0?05@' .249B' 49?06.4G B8.49B' 0?05@' .249B' 89D' 0?05' <2050' 06.8;"46249B' .20' B508.06.' 75D0 *1 20' 850749 D46"A9=9.' 73' 94A9057A6' 7A944=6' 89D' ?464.8.479G <050' ;@' 246 D450=.479' 89D' <4.2' .20' 689=.479' 73' .20' 098.0' =25797"7B4=8""@' 50=75D0D' 49' 8' 6=5406' 73' =7496' <24=2' 850' 50C85F8;"0' 375' .2045' 3CO' 6.@"0' 73' <75FG C89624:# .' =7C:54606' 86' 8"508D@' 97.4=0D' 94#.20' 7C89' :57C0=6' 89D' =79345C6' <28.' 46.75@' .4""6' A6' 73' .246' 0C:0575L6' ?7@8BO6# 20' 94C4"A' 73' .2060' B07B58:24=8# =7496' 46' =7964D058;"0' 89D' .20@' 850' <4.2' B77D' 508679' 67AB2.' 375# 4A90' 850' ?05@' 5850' 7.2056' 6A."404=9."@' 0749C79# 20' 3456.' ="866' 73' .20C' 49="AD06' .20' 98C06' 73' .20' 457?49==6' 89D' .7<96' .257AB2' <24=2' 8D5489' :8660D# 9' .2060' .20' =7A9.5406' =4.406' 89D' 54?056' 850' 50:50609.0D' ;@' 8' 34BA50' 89D' 67C0' 8..54;A.0' 86' B@:.76' "0I89D548' 4246# "40' 60=79D' 0IG :506606' .20' 68.4638=.479' <24=2' .20' :07:"0' 0I:0G 5409=0D' 75' <050' 6A:C60D' .7' 28?0' 0I:05409=0D' 8.' 246' 8554?8# 8C79B' .2.?C/ 89' 0?09.' <24=2' 46 49D4=8.0D' ;@' .20' "0B09D' 73' .20' 50?0560 1 .' ! ' ' <24"6.' .20' .@:0' M86' 49' .28.' 73' $ '-B2' 8=0D7948' =#N 0I24;4.6' .20' C:0575' 89D' .20' &094A6' 73' .20' 57?49=0' 6.89DG 49B' 7::764.0' 08=2' 7.205' 89D' 89' 8".85' M<4.2' 4.6' ?4=.4CN ;0.<009' .20C' 8.' <24=2' .2jO@' 850' :05G 375C49B' 68=5434=0* 1 20'. 45D'="866' 627<6'.257AB2' .20' C0D4AC' 73' 49B0947A6' 8""0B75406' .20' ;09034.6' 89D' 50"4036' <24=2' 8D5489' ;06.7<!=D' 79' .20' 7:G :50660D' :57?49=06# 9' .246' ;589=2' 73' .20' 6054O6' .20' C:0575' 46' =8""0D' ! 3' .20' 506.7505' 73' .20' :85.4=A"85' =7A9.5@' M86' =2848' 648' 354=8' &8""48' 46:8948' =#N 89D' 20' 584606' A:' 8' F900"49B' 34BA50# '37A5.2' 89D' "86.' ="866' 503056' .7' .20' C4"4.85@' 0I05=4606' <24=2' 20' =8A60D' .7' ;0' :58=.4=0D' 89D' .7' .20' D46=4:"490' <24=2' 20' C849G .8490D' 8C79B6.' 246' "0B4796' 49' .2045' 506:0=.4?0' 09=8C:C09.6' 89D' B85546796# 20' 50?40<' 73' .577:6' ;@' .20' C:0575' 49' :05679' 46' A6A8""@' 34BA50D' ;@' 8' .@:0' 73' 8""7=A.479' <4.2' .20' 98C0' 73' .20' 85C@' 86' 49' 246' 6 * "! ' "!" ' & # 4=?6' + 4=?6' =# '<24=2' 850' 89' 0SA06.5489' 34BA50' 89D' 37A5' 75' 34?0' 377.' 67"G D4056' =855@49B' C4"4.85@' 0964B96* ' &# # *1 9' B7"D' 73' 8D5489# Y

20' C:0575' ="7.20D' 49' .20' .7B8' 46' 6009' 27"DG 49B' 246' 54B2.' 289D' 0"0?8.0D' .7<85D6' 8' 30C8"0

34BA50' <27' 46' D46.49BA4620D' ;@' .20' .5A9F' 73' 89' 0"0:289.' =7?0549B' 205' 208D' 86' :0567943@49B' .20' #7C89' :57?49=0' 73' 354=8' 89D' 46' 49' .20' 8=.' 73' 68=5434=49B' 8.' 8' .54:7D# T (0' 349D' M68@6 DD4G 679N' 79' .20' 60?058# C0D8"6' 6.5A=F' 49' =7CCOG C758.479' 73' 8D5489L6' :57B5066' .257AB2' .20' 0C:450' .28.' 79' 246' 8554?8# M8D?09.A6N' .20@' 7" 05=D' 8' 68=5434=0' .7' .20' &7D6' 375' .20' 50=0:.479' 73' 67' B508.5' 8' ;"0664GB# 758=0' C09.4796' .246' =A6.7C' M D# >' "4;# *NOO ' & # &# # "4 ' E' K$ -1 '60=79D' ;5866' 73' 057' 73' =7"7948# 38;54=' ;08549B' .246' "0B09D' 89D' 89' 7598C09.0D' :580.74L489' B8""0@' 46' =7964D050D' .7' 50=75D' .20' 50.A59' 73' .28.' :549=0' 357C' &500=0* 1 .2056' <4.2' 8' 64C4"85' .@:0' 89D' .20' 8;;50?48.479' □' □ '49' .20' 340"D' 73' .20' =749' D064B98.0' 246' 8554?8# 8.' 7549.2' 375' .20' :A5:760' 73' =0"0;58.49B' .20' 6.2C489' B8C06' 49' .28.' =4.@* 1 M 84""89.' ' ' 3' ?7"# 4*N ' &# # +# #* # # * ' # *1 #7C0' 20"C0.0D' 608.0D' 79' 8' 208:'73'85C6' 7496' 54B2.' 289D6' <4.2' .20' C:0575' <27' 28;4.0D' 49' .20' .7B8' 6.8C"6' 7::764.0' .7' 205*1 9' 8' "85B.0' ;5866' 73' 8D5489' 6.5A=F' 49' .20' @085' 73' A5' 75D' ,, *EEEEE 8?49B' 85G 589B0D' 8""' .249B6' 49' @548' M<2050' 20'=7CC89D0D' <209' 58 89' D40DN' 8D5489' :57=00D0D' .257AB2' ""@548' .7' 7C0' 89D' .28.' .246' 7==A550D' 49' .20' @085' 8;7?0' C09.4790D' .20' :50609.' =749' 627<6' ;@' .20' 496854:.479' =76# 9*1 =F20"' ?4# E ' &# # # 1 9' .246' 0I8C:"0' 8C79B6.' .20' ' + ' 73' 8D5489' .20' C:0575' <4.2' 246' 54B2.' 289D' A:"43.0D' 6.89D6' 7::764.0' .20' :57?49=0' <24=2' 46' :0567943A4D' A9D05' .20' 34BA50' 73' 8' 30C8"0' 57;0D' 89D' ?04"0D/ 620' 27"D6' 8' :8.058' 7?05' 89' 8".85' 8.' .20' 377.' 73' <24=2' 46' .20' ?4M44C / 620'=8554O6' 8' ;8""' 75' 76' 5# F C89' 6ABB06.6' 49' 508"4.@' .20' ' 4C:0530=."@' 50:5060930." ' 49' 205' "03.' 289D' 89D' ;0G 64D0' 205' 850' .<7' 98F0D' =24"D5=A' ;08549B' 08=2' 8' :8"C' ;589=2 1 8""A64?0' .7' KAD8"8' 73' <24=2' 86' :75.' 73' 8"=6.4A0' .20' :8"C' .500' 46' 89' 0C;"0CO

246' .@:0' 6.5A=F' ;0.<009' ' ' ,H' 89D' ,H[' 46' 73' 246.754=8# 49.0506.# .' 50:50609.6' .20' 8554?8# 73' 8D5489' 49' KAD.58' 97.' 86' 49' .20' =86O' 73' C76.' 73' 246' ?464.6' 0"60<2050' 79' 8' C466479' 73' ;090?7G "09=0' 89D' C05=@' ;A.' .7' =79345C' .20' 6.059' 4C:0548# 609.09=0' 83.05' 8' ;"77D@' <85' 73' DOG 6.5A=.479' .7' D0?7.0D' K0946 8"0C' 89D' $' 496A".' 89D' 2AC4"48.479' .7' .20' 50;0""47A6' K0<6*1 75' 8' 3A5.205' 9AC46C8.4=' 5030509=0' .7' .246' 3A"34"C09.' 73' A5' 75DL6' :57:20=@' 60O' - ' ' + ' '

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' &# # *1 9 .20' 0I05BA0' H# =* 1 9'8".8954.2'.20'3450'F49D"0D ' :"8=0D' ;0.<009'.20' C:0575'M<27'46' ="7.20D'49' .20'.7B8N' 27"D49B'8' :8.058' 89D'8'30C8"0'34BA50' <4.2'8'?4=.4C' "@49B'8.'205'300.# 9'8"85B0';5866' 73' 8D5489' 09B58?0D'49'V' 7496'73'.20'#7C896' 50"8.49B'.7' 54.849*U 1E # H' 7# [*

8D5489L6'8554?8"49' 54.849'46'=7CC0C758.0D' ;@'.246'=749' 6.5A=F' 49'.20'@085'73'#7C0' ' * ,H,#T 9'.20'504B9'73'.246':549=0U'7;605?06' 5# F05C89'M600'246'8;"@'<54..09'=7550=."@ 4""A6.58.0D' 89D'24B2"@'49.0506.49B'<75F'8;7?0E 98C0DN\'T.20' 54.796'50?7".0D' 89D'K9"496' 0?0E 5A6'<86'50=8""0D'.7':57=00D'8B8496.'.20'K0<6'<27' 28D'C8D0'89'03375.'.7'50B849'.2045'"4;05.@# 20' 8"0D794896'8"67'D06.57@0D'60?058"375.6'<24=2' 28D';009'050=.0D';@' B54=7"8# 8D5489'<4.2' .2500'"0B4796'8554?0D'49'.4C0'.7':50?09.'.20' 54.796'357C'.257<49B'733'.20'#7C89'@7F0' 89D'.7':57.0=.'.20'975.2059'3579.4056'73'.20' :57?49=0';434".'8'<8#'<24=2'0I.09D0D'357C' .20'@90'49' 75.2AC;05"89D'.7'.20' D09'49' AC;05"89D# 20'<85'D706'97.'8:085'.7'28?0' ;009'73"79B'=79.49A89=0'844D'.20'7A.2059' 54.796':57.0=.0D'34L7C'.20'49=A56796'73'.2045' 68?8B0'904B2;7A56'<050':57;8;"@'=79.09..7';085' .20'@7F0*U' :# H># ! 4

' &*1 ' ' ') 1 9'.20'50?0560'73'8'"85B0';5866'.20' C:0575'46'6009'37 7<0D';@'34?0'67"D4056'.<7' 73'<27C';085'6.89D85D6'89D'.20'7.2056'28?0' .2045'6:086'8D?89=0D'86'43'.7'09=7A9.05'50G 646.89=0# 20@'850':86649B'7?05'8';54DB0'=79G 6.5A=.0D'79.2500';78.6'T:50=460"@'M68@6'8:.# C@.2N"4FO'.20'790'7?05'.20'6.05'50:50609.0D' 79'.20'58 89'=7"AC9# 20';54DB0';03750'A6'<86' 97'D7A;.'7?05'.20'68C0'54?05'649=0'.20'85E' =7C899 4'49'8;89D7949B' 899794'96.8490D'8' D508D3A'# 7?05.257<'<24".'=576649B'4.*1 20' "0B09D'73'.246'50?0560'46'! #' !'' ! ' <4.2' H ?7'# 79'.20'0I05BA0# 2050'46'897.205' "85B0';5866'73' A50"4A6'<4.2'.20'8;7?0'50?0560' ;A.'496=54;0D' '496.08D'73' '89D' 50=75D49B' ! #' !!'<209=0'4.'83375D6'8'6A50' .06.4C79@'73'.20' C:0575L6'50.A59'.7'#7C0' # # , *U 1 75'89'4""A6.58.479'73'.246'50?0560 600' # # H# 444*

' &444.4 # * # 1 246"0B09D'8:.0856'79'.20'50?0560'73'8'"85B0' ;5866'73' 0:.4C4A6'0?05A6# "40'.@:0'50:50609.6' .20'0C:0575'79'27560;8=F'04.205'8"790'75':50G =0D0D';@'8'67"D405'79'377.*1 3.05'28?49B'50G

49B'8B8496.'";49A6' 0?05A6'50.A590D'.7'#7C0' <2050'246*09.5@'<86'C8B9434=09.# 28.'<86'.20' 68C0'! ' 1T'.20'C76.'8A6:4E' =4796'50.A59U 1 <24=2'46'8""AD0D'.7'2050*V 8:.# C@.2'M:# , N 8664B96'.20'50.A59' .7'#7C0'<24=2'.246'D0?4=0'=7CC0C758.06' .7'.20'@085',a'73'.20' 2546.489E'C58'89D' 8DD6 1 T'20'3456.':A;"4=' 09.5@'73' 0?05A6'<86' A9D05'0?05@' :7664;"0'D0C796.58.479'73' 7@'L @0.'20'=7CC4..0D'4C2085D'73'=5A0".406# ".05' =7CC09D49B'.20'=2858=.05'73' 7CC7KA6'.7'.20'! 098.756'<27'28D'D0="850D'246'C0C75@'4938G C7A6'20'0I0=A.0D'8'9AC;05'73'.2045';7D@'<4.2G 7A.'.548"'89D'#7C0'<86'34""0D'<4.2';"77D620D# .'.20'68C0'.4C0'27<0?05'20'0I0=A.0D'50.54G ;A.4?0'A6.4=0'79'.20'4967"09.'?098"'89D'.508G =2057A6' 90.754896'<27C'20'D4685C0D'D0G B58D0D'89D'4B97C4A4796"@';894620D'.7'.20'D46G .89=0'73'8'2A9D50D'C4"06'357C'#7C0*U 9' D06=54;49B' 89' '=749'73'@40' 0"D05' 24"4:'<2760'0SA06.5489'34BA50'46'50:50G 609.0D'<4.2'.20'68C0'T'0I.5875D4985@'D46:57:75G .479';0.<009'.20'6.00D'89D'4.6'54D05'U'86'46'0I6 24;4.0D'79'.20'8;7?0'50?0560'73' 0?05A6'.20' 49.0""4B09.'<54.05'8;7?0'SA7.0D'7;605?06'M:# >M(4M 1T'.20' C:0575'46':57;8;"@'C7A9.0D'79'.20' ' 75'8C;"49B'98B'86'8'C750'8::57G :548.0'0C;"0C'73'50.A5949B':08=0'.289'.20' ,0 ') ' 75'=285B05*U 1 246'46'8'6250<D' =79 0=.A50';A.'4.'D706'97.'3A @8==7A9.'375'.20' 99D05E64\0D'27560'6'79'<24=2'<0'600'0C:05756' C7A9.0D'49'?8547A6'.@:06'73'.20'#7C89'C49.# 2060'49D00D'850'375'.20'C76.':85.'50"8.4?0"@' D4C49A.4?0';<20.205'.20'4C:0548"'54D05'46'28;4.0D' 49'.20':8=434=' .7B8'75'49'.20'B85;'73'<25 1' A9D05'.20'"0B09D'73' '75'.28.'73' +E' # * ' &4 # # *1 9'8'"85B0' ;5866'73' "8B8;8"A6'<4.2'.246"0B09D'73'50?0560' .20'.@:0' :50609.6'T 89'0SA06.5483.'34BA50'73' .28.'0C:0575'<4.2'246'54B2.'289D'0"0?8.0D'8' 6=0:.50'49'246'"03.'89D'.20'=2"8C@6'3"78.49B' ;0249D'246'627A"D056# C68'<='8<850'73'<28.' 8=5499'6'28D'"76.';@'97.':57=00D49B'.7'#7C0' 4CC0D48.0"@'83.05'246'0"0=.479'A5B0D'205'B589DG 679'<27'<86'<8""7<49B'49';5A.8"D0;8A=205@'8.' 4=7C0D48'.7'50:845'.24.205# 20'50?84"0D' 89D'20'09.050D'#7C0' # # H,a'<2050'20'<86' 50=04?0D'<4.2'B508.'D0C796.58.4796'"85B0660G ;049B'D46.54;A.0D'.7'.20':7:A"8=0'89D':A;"4=' 620<6'0I24;4.0D*U 1 C@.2':# H, * ' &&# " % 1 <7'C4"4.85@'34BA506'79'27560;8=F'B8""7:49B*1

06.8;"4620D':08=0'49'.20'086.';@'.20'D06.5A=.479'73' 06=0994A6' 4B05'89D'<4.2'.20'D064B9'73'C85=2E "446"0B09D'89D'.@:0'8::085'79'8';5866'C0D8""479*

246' .0C :"0' 73' ABA6.A6'3456.' 8 : :0856'79'=7496' 73' 4;054A6'6.5A=F' " ' ' 9 ' H N ' 8"67'49' .20' C49.' 73' 8"4BA"8' 73' D4330509.' @0856 ' 89D' 2050'4.' 46'0I24;4.0D'79'=7496' 73' 9.7949A6 ' 73' .20' @085' 8;7?0EC09.4790D' M =F20"' ?44* ' >[N* 2060 ' 6A: :"@49B' <28.' 246.75@' 286' 90B"0=.0D' .7' 97.4=0 ' .08=2' A6' .28.' 6A=2' 50 : 8456' 89D' 506.758.4796 ' 86' 04.205' .20' D0=8@6 73' 8B0 ' 75' .20' 0330=.6 73' =86A8" 49 A5@ ' 28D' 509D050D' 90=06684@ ' <050' C8D0' ;@' .20' :40.@' 73' 9.7949A6" 20' .<7' 6.8.A06' 49' .20' .0C :"0'850'73' ABA6.A6'89D'KA"48 ' .20' "8..05' :"8=0D' .2050' ;@' .20' C :0575' "8AD4A6" &7"D ' 64"?05 ' 89D' ;5866' 73' 9.7949A6 ' <4.2' .20' 68C0' .@ :0 ' ;A.' 496=54;0D' #0 ' ! !' & ' 8"67' 50305' .7' .246' 246.754=8" 38=.* 1 00' + " 0D4"46* 1 " " ') 8*1 ' " #" '

4 1 ' #7C89' C8B46.58.0 ' <27' 0I05G =460D' .20' D4"0624 : ' <24=2' <86' 73' .2500' F49D6/ "0;0489 ' A5A"0 ' 89D' 0508"* 1 00'89';8;"0'85.4="0 ' A9D05' .246' 2308D' 49' .20' 4=.47985@' 73' &500F' 89D' #7C89' 9.4SA4.406 ' 0D4.0D' ;@ 5* (" C4.2*V

* ' * 1 20' :"0;0489' 0D4"0624 :' <86' .20' C76.' 89=409.' 73' .20' 7334=06' 8;7?0' 98C0D" .' 0C;58=0D' C89@' 3A9=.4796 ' 8C79B6.' <24=2' <050' .20' C849.0989=0' 73' .20' ;8.26 ' 8SA0DA=.6 ' =7CC79' 60<056 ' 6.500.6 ' 89D' 24B2<8@6/ 8"67' .20' :50605?8.479' 73' .20' :A;"4=' 50=75D6' 89D' 85=24?06 ' D0:764.0D' 49' .20' .0C :"0' " 7' 73' 0506" 20' :"0;0489' 0D4"06' <050' C7507?05' =285B0D' <4.2' .2k' 6A:0549.09D09=0' 73' =7CC0 ' 0 ' 89D' 73' <28.' 46' 97<' =8""0D' .20' :7"4=0' .7B0.205' <4.2' .20' C8G 98B0C09.' 73' :57?464796*

8?05=8C :' M4G' 750"" ' ' ! ' 6 %' B4?06" .<7' D09854' 50305549B' .7' .20' 7334=0' 73' "0G ;0489' D4"06" 90' 73' .2060' 46' 73' .20' 89948 ' .20' 7.205' 73' .20' 54.7948' B096" 7.2' .2060' 0I24;4.' 79' .2045' 506 : 0=.4?0' 7;?05606 ' .20' 208D' 73' ' ' + P$ ' <4.2' .20' 8;;50?48.0D' <75D6 > ' (' -, ' !) ':' 79' 08=2' 73' .2045' 50?05606' 850' .<7' .7B8.0D' C09 ' 64..49B' 9:79' =7CC79' ' 0249D' .20C' 46' * " 75' !) ' ' ' MC08949B' =7490D' <4.2' .20' :A;"4=' 64"?05N ' ;0"7<' <0' 508D' ' # ' 0 ' " ! ' ' ! 0 ' 89D' ' ' ' ' .20' .<7' 0D4"06' 0CG :"7@0D' 79' .20' 7==86479' .7' <24=2' .20' =749' 50G 3056* 1 =F20"' " :" ,a *

' # * 1 (05' .20' D4=.8"75E' 624 :' 73' A54A6' 8C4""86' 9$ ' " ' H N ' .20' :8.54E' =48A6' 7;.8490D' .20' 97C498.479' .7' .20' 0D4"0624 :' 73' .<7' 73' .2045' 7<9' 75D05' A9D05' .20' D46.49=.4?0

8:0""8.479' 73' R ' ' ' ;0=8A60' .20@' 28D' .20' =A5A"0" =2845' .20' + ' 75' "79B' <24.0' 57;0' ;75D050D' <4.2' :A5:"0' .20' 7 ' ' 75' 54B2.' 73' 4C8B06' "4F0' .20' 6A:05475' C8B46.58.06' ' :54?4"0B06' 90?05' 8..8490D' ;@ .20' :"0;0489' 0D4"06" 7' .20' =A5A"0' 0D4"06' <050' 09.5A6.0D' .20' =850' 73' .20' 68=50D' 0D4I006' M06:0=48""@' .20' .0C :"0' 73' KAG :4.05N ' .20' Y.54;A98"8' 73' A6.4=0' .20' =4.@' <8""6 ' 89D' .20' .208.506' ' 49' 6275.' 8"" .28.' <86' 06609.48" .7' .20' 50"4B479 ' D0309=0' 89D' 0C;0""462C09.' 73' .20' =4.@' =8C0' A9D05' .2045' =7B94\89=0* 1 4.46096' ' ' 6

20' 6 9;7"6' 73' .20' =A5A"0' 0D4"0624 : ' ;MD2' 49' "0B09D' 89D' 49' .@:0' 850' 37A9D' 79' D0A8544" 73' .20' 4?49048 ' "m.7548 ' "89=48 ' "8A.48_' 89D' 7.205' 38C4"406" 9' 67C0' 73' .2060 ' .20' =A5A"0' =2845' :50G 609.6' 4.60"3' 79' 790' 64D0 ' 89D' .20' D4B94.@' 73' ' 41 ' 46' 6.8C :0D' 79' .20' 7.205 ' 86' 49' .20' 8;7?0' =749' 73' .20' ! 'B096" .2056' :50609.' .20' 34BA506' 73' .20' .<7' 0D4"06 ' 64..49B' ;0.<009' .<7' C086444 06' . "=D' <4.2' 0856' 73'=7C ' 86' 49' 8' D09854A6' 73' .20' 8:4548' 38C4"@" "67' 8' C7D.A6 ' 75' C086A50 ' ;0E' .<009' .<7' 0856' 73'=759 ' 86' 49' 64"?05' 73' ' ' 6 ' 790' 73' <24=2' 79' .20' 7;?0560' 286' .20' 208D' 73' 0506' 8D7590D' <4.2' 8' =57<9' 73'=7C' 0856 ' 8==7C:8940D' <4.2' .20' 0:4B58:2' 73' ' " 3' M 00' 'B096"N 4F0<460' 79' 8' D09854A6' 73' .20' "8C4948' 38C4"@ ' 8' 208D' 73' 0506' <4.2' .20' "0..056 ' D064B98.49B' .20' A9D0' D4"0624 : ' 8 :G :0856' 79' 790' 64D0 ' <24"6.' 79' .20' 7.205' 850' 34BA506' 73' .<7' C09 ' ="7.20D' 49' .20' .7B8 ' 64..49B' .7B0.205' 28?49B' 08=2' 8' =7C' 085' ;064D0' 24C ' 89D' ;0"7<' 6' 496=54;0D' '%0 ! ' % 0 '%0 " '# % ' 6 ' ' ' C08949B' ' ! F3' ' ! ' 89D' +" ! ' !) ' ! F ' , ' ' ' M 00' 8?05=8C :' 49' 750"" 1 ' %' 20' 8DD4.479' 73' 6 ' ' 'D097.06' .28.' .2760' A9D0' D4"06' :A5=2860D' <203 ' 375' .20' 6A:;"@' 73' .20' #7C89' :7:A"8.479 ' <4.2' .29' :A;"4=' C790@' ;@' 8A.2754.@' 73' .20' 098.0" 246' :A5:;6=' 46' C750' 0I:"4=4."@' 5030550D' .7' 49' .20' 0:4B58:2' 73' 8,1'2 1' 8"508D@' B4?09' M:" [N* =F20" 7;605?06' .28.' .20' =A5A"0' 0D4"06"44 :' <86' 97.' 99350S909."@' 8..09D0D' <4.2' ?86.' 0I:0960' ;7.2' .7' .20' 6.8.0' 89D' .7' .20' 49D4?4DA8"6' <27' 2MDD' .20' 7334=0" 28.' 73' " =895A6' M<24=2' 8==75D49B' .7' 4B24A6' .77F' :"8=0' 49' .20' @085' 73' #7C0' a *=" [N' 46'50:57;8.0D' ;@' 085"@' #7C89' <54.056' 375' .20' =0664?0' C8B9434=09=0' 73' .20' :A;"4=' 6 0<6' 89D' .20' 8C7A9.' 73' "85B06606' 8"C76.' ;0@79D' ;0"403' <24=2' <4.2' 8' :57D4B8" 76.09.8.479' 73' "A1A5@' 89D' :573A6479' 20' "8?4620D' 79' 246' 7334=48" @085*

) ' # * 1 246' .245D' ="866' 73' D4"06' <86' 73' CA=2' "8.05' 8:;749.C09.' 89D' 3' C750' SA06.4798;"0' 754B49 ' ="86249B' 86' .20@' D4D' 49' 3A9=.4798" 70N058.4796' <4.2' .20' 7.205' .<7" 9D05' .20' 3500'50:A;"4=' .20' 9AC;05' 73' D4"06' 28D' ;009' "4C4.0D' .7' 37A5' ?4*' .<7' :"0;04896' 89D' .<7' :8.54=4896" A.' 8==75D49B' .7' 479' .<7' A58.756' <4.2' .20' "4F0' 9AC;05' 73' 0508" D4"06' <050' 49G 6.4.A.0D' ;@' KA"4A6' m685' M<209' 8;7A.' .7' :57G =00D' 79' 246' 0I:0D4.479' 8B8496.' 85.248N ' 375' .20' :A5:760' 73' 86646.49B' 49' .20' =79?0@89=0' 73' =7C' 357C' 37504B9' "89D6' .7' #7C0' 89D' 73' D46.54;A.G 49B' 4.' 8C79B' .20' ' 7:"=" M 00' -' "446' 38=.' 46' =79345C0D' ;@' .20' 496=54:.4796' 79' .<7

C85;"06' =4.0D' ;@' 564996' ;08549B' .20' <75D6' 4 4 # ' *1 ' D09854A6' 73' 54E' .794A6' <27' <86'6' 0508"# D4"0' 49' .20' @085'73' '7C0' '9$'"' N' 286'375'.20'.@:0'73'4.6"7;G ?0560' \M"4F0' ! ' 8;7?0N' .20' 208D' 73' 0506# T 9D' 8::57:548.0"@' .77U' 68@6' =F20"' T 375'<0' "0859' 357C' 4=057' .28.' .20' =850' 73' :57?4D49B' ' 89D' 73' :50:8549B' .20' 0508"489' B8C06' ;0"79B0D' 97.' "066' .7' .20' :"0;0489' .289' .7' .20' 04ALA"0' 0D4"06# 20' 0C4909.' 8A.275' 73' . ' L5 ' '.209' C8F06'89' 8::764.0' SA7.8.479' 357C' 4?@' 620<49B' 0I:5066"@' .28.' 79' 790' 73' .2760' 7==864796' <209' # 8"054A6' 89D' # 758.4A6' <050' =796A"6' 9$'"' aN' .20' 68=50D' =050C79406' 49' .20' .0C:"0' 73' 0506' <050' ;@' 8' ' ; ' :"8=0D' A9D05' .20' A546D4=.479' 89D' C8G 98B0C09.' 73' .20' "0;0489' D4"06*U 1 00'" $. *

20' D4"0624:' <86' =79.49A0D' A9D05' .20' CE' :0 756' 89D' 4.' <86' 97.' A9.4"# .20' 504B9' 73' 79G 6.89.490' .20' &508.' .28.' .20' 496.4.A.479' 4.60"3' <88' 8;7"4620D* 1 4.46=A6*

4& ' B@:.*1 ABA6.A6*28?49B'.8F09' :766066479' 73' "0I89D548' .20' =*8:4.8"# =4.@' 73' .20' 0".8' 49' .20' .2' @085' 73' 7C0' 9$'"' H N' 375C0D' .20' <27"0' =7A9.5@' 49.7' 8'#7C89' :57?49=0' 89D' 09.5A6.0D' .20' B7?059C09.' .7' 67C0' 49D4?4DA8"# C0C;05' 73' .20' 0SA06.5489' 75D05' :5724;4.49B' 8""# 6098.756' 357C' B749B' .7' B@:.' <4.27A.' 6:0=48"# :05C466479# B@:.' 46' D46.49BA4620D' 79' =7496' ;@' .20' =57=7D4"0' .20' 646.5AC' .20' 4246' .20' "7.A6' 89D' 0856' 73' =759# 20' 4"0' KA:4.05' .20' A9' .20' 779' :46' 64546' 646' 058:46' 86' 7;0=.6' 73' <7562 4:' <4.2' .20' B@:.4896' 850' 8"67' 8C79B6.' .20' 3.AC46C8.4=' 50=7B94.4796' 73' .28.' =74C.5@# B@:.' 50=04?0D' 97' =7"79@' 83.05' KA"4A6' AX685U6 .4C0';A.' 86' 8' :57?49=0' <86' B7?0590D' ;@' 89' 4C:0548"# :5030=.' "+ $ ' ' %#.7' <27C' 27<0?05' .20' :54?4"0B0' 73' .20' 386=0G <86' 97.' 8664B90D# !

& *1 B@:.' :05679430D' A9D05' .20' 4C8B0' 73'8' <7C89' 608.0D' 79' .20' B57A9D' 27"D49B' 49' 205' 54B2.' ;89D' .20' 646.5AC' 506.49B' 205' "03.' 85C' 79' .20' =8946.5AC' 75' ;86F0.' 34""0D' <4.2' 35A4.6' 89D' 28?49B' 79' 205' 54B2.' 377.' .20' ;46' 6.89D49B*

246' 50?0560' <24=2' 8::0856' 79' =7496' 73' 8DG 5489' 49' 8"" .20' .2500' C0.8"6' <86' 6.5A=F' 79' .20' 7==86479' 73' .28.' C:0575U6 ?464.' .7' B@:.' 83.05' 28?49B' ;009' 49' KADC8' 89D' 58;48' :57;8;"@' 8;7A.' .20' @085' A*=# H' # ,H # M =F20"' ?4*' 'N' 20' .@:0' 46' 0"0B89.' 79' B7"D' 89D' 3456.' ;5866' 89D' 46' :0=A"485"@' 8::57:548.0' .7

B@:.# 20' 646.5AC' <86' 8' CA64=8"# 496.5AC09.' 68=50D' ' 646' 49' <2760' <75624:' 4.' <86' A60D' 89D' 98.4798"# .7' B@:.# ^ 00' .20' <75D*Q' 20' '75' ;86F0.' 73' <208.' 64B9434O6' .20' 35A4.G 3A"9066' 73' .20' =7A9.5@' <24=2' 46' =8A60D' ;@' .20' 49A9D8.479' 73' .20' 4"0*

9' 5030509=0' .7' .20' 68=50D' ;46' 8';45D' 67' :0=AE' =A"485' .7' B@:.' .28.' 4.' <86' 684D' .7' D40' 43' .8F09' .7' 7.205' =7A9.5406' 4=057' 286' 7;605?0D' T .20' B@:.4896' <27C' <0' 850' 8:.' .7' 54D4=A"0' 67' CA=2' =7930550D' 2797A56' A:79' 894C8"6' 79"@' 49' :57:75G .479' .7' .20' 8D?89.8B0' D054?0D' 357C' .20C# 2A6' .2045' 508679' 375' <75624:::49B' .20' ;46' <86';0G =8A60' 4.' DO6.57@0D' .20' 605:09.*U

'"85B0' ;5866' 73' 8D5489' .20' 50?0560' <4.2G 7A.' "0B09D' ;A.' <4.2' 6# =# 49' .20' D6' T 0IG 24;4.6' 8' C8 06.4=' 34BA50' 73' .20' 4990575' <4.2' ;46' "03.' 377.' 79' 8' =57=7D4"0' 20' 46' 49' 85C7A5' <4.2' .20' :8"AD8C=9.AC' 8.' ;46' ;8=F' 246' 54B2.' 289D' 46' 6A:QR75.0D' ;@' 6?6:085' <4.2' .20' :749.' :08=03A""@' D7<9<85D6' 89D' 246' "03.' 27"D6' 8' :84?8\794AC# 246' <86' :57;8;"@' C49.0D' 49' 50G C0C;589=0' 73' 246' ?464.' .7' B@:.' 89D' 4.6' D8.0' C8@' .20503750' ;0' 9085"@' 8::57I4C8.0D 1 375' 8D5489' 28?49B' :8660D' .257AB2' KADC8' 89D' 58;48' 8554?0D' 8.' 0"A64AC' # # ,H '<2050' 20' 50:8450D' .20' .7C;'73' 7C:0@*U 1 C@.2' . ' ' ':# , H*

& L ' L F*1 246' 246.754=8"# "0B09D' 8::0856' 79' B7"D' '64"?05' 73' ABA6.A6*# ? 20' 7;?0560' :50609.6' .20' 208D' 73' .28.' 0C:0575' <4.2G 7A."8A50"';0249D' <24=2' 46' .20' 8ABA58"# "4.9A6' 89D' 857A9D' 46' 508D' " $'" ' ! 1 9' .2j' 50?0560' 850' .20' 3750B749B' <75D6' 8==7C:8940=' <4.2' .20' 34BA50' 73' 8' =57=7D4"0' .7' .20' 54B2.* 1' 20' 64I.2' =796A"8.0' ;049B' 496=54;0D' 79' .246' D09854A6' 620<6' 4.' .7' 28?0' ;009' 6.5A=F' 49' .2.' @085' 73' '7C0' > ' 9$'"' > N' A9D05' ABA6.A6' .7' 5090<' .20' C0C75@' 73' .20' =8:.A50' 73' "0IG 89D548' 89D' .2050;@' .20' =79SA06.' 73' B@:.' ;@ 246' B508.' A9="0' 89D' 38.205' ;@' 8D7:.479' KA"4A6' 334685# ^ 20' 754B498"# 64"?05' =749' 46' 904.204 5850' 975' 24B2' :54=0D' ;A.' .20' 68C0' .@:0' 506.750D' ;@' 58 89' 46' ?8"A0D' ;@' 47990.' 8.' " '3589=6*Q'

& *1 246' 8==75D49B' .7' .20' &500F' 0.@G C7"7B@' 73' .20' <75D' <86' .20' 6F49' 73' 8' ' 67C0' 8A.2756' 83345C49B' 4.' .7' ;0' .28.' 73' .20' B78" C8".28=8' 7.2056' :50.09D49B' 4.' .7' 28?0' ;009' .20' 6F49' 73' 8' D06.5A=.4?0' C796.05' -, ' <279' 4905?8' 37AB2.' 89D' 6"0<1 83.05' <24=2' 620' 46 684D' .7' 28?0' :"8=0D 4.6' 6F49' 7?05' 205' ;5086.' :85."@' .7' 605?0' 86' 8' B85C09.' :85."@' 86' 8' :57G .0=.479' 8B8496.' D89B056' ;A.' 8"67' 86' 8' "86.49B' 0?4G D09=0' 73' 205' ;58?05@/ 49' .20' 60SA0" 620' :"8=0D' 4.' .20' 698F0E28450D' 208D' 73' 0DA68# #7C89' C' :05756' 73.09' 8::085' 49' .2045' 6.8.A06' 89D' 79' .2=44' =7496' <4.2' .2045' =206.6' =7?050D' <4.2' .20' $B46

' 3%A49.A6' 8"096N ' 790' 73' .20' 67E=8""0D' 3 ' 75' :50.09D056' .7' 4C:0548"' 89D' 8ABA6.8"' 589F' 89D' 8A.2754.@ ' DA5493 ' .20'504 ' 73' &8""409A6"' 20' A60AC' 20A:7"4 =79.8496' .20' 37""7<49B' D06=54: .479' 73' 8' H5D' ;5866' =749 ' <24=2' =F20"' 6A: :7606' .7' ;0"79B' .7' .246' A6A5:05 ' ;A.' 4.6' 44A.209.4=4.@' 46' D7A;.0D' ;@' 47990.*1 1) ' "' =" S"' ' 4 6' :"' ?7"' 9D' 79' 4.6' 50?0560' "7?4"' " * ' && ' <4.2' .@:0' 73' KA:4.05 ' 6.89D49B ' .20' .2A9D05;7".' 49' .20' 54B2.' 89D' .20' 286.8' 49' .20' "0I' 289D"' 9' .20' 0I05BA0' 6"' " *

' * #1M A=4A6' A50"4A6' 0 7E' 94A6' 7CC7DA6' 05A6N' <86' .20' 679' 73' 0 794A6' 7CC7DA6 ' 8' C89' 73' =796A"85' 589F ' D06=0AD0D' 357C' 89' 4""A6.547A6' .5A5489' 38C4"@"' 20' D8.0' 73' 246' ;45.2' 46' A9F97<9"' 9' .20' D08.2' 73' 8;498 ' 20' <86' 8D7:.0D' ;@' 8D5489 ' " A"' =" ' 75' a' 9 ' ' ,H[' 75' H N ' 89D' D06.490D' .7' .20' 6A==066479' 73' .20' 0C:450 ' D0="850D' 00685' A9D05' .20' 98C0' 73' A=4A6' -,T ' 05A6 ' C8D0' 58 .75' 89D' 54;A90' 73' .20' :07:"0 ' 89D' 8:G :749.0D' :5030=.' 73' 8997948 ' <24=2' :57?49=0' 20' B7?0590D' <4.2' <46D7C' 89D' =7A58B0 ' =508.0D ' 375' .20' 3456.' .4C0 ' 3A6.2' 246' .786A"' ' ' ,H ' 89D' 0"0=.0D' .7' 246' 60=79D' =796A"8.0' .20' 37""7<49B' @085" 0' <86' ;57.205' 73' 4C4A6' 05A6' 89D' 73' 8A6.498' .20' 0"D05 ' C85540D' 7C4.48' A=4""8" 3' 8' 289DG 67C0' 34B540' D4B9434OD' 49' :2@647B97C@' 89D' 6.8.0"@' 49' =85548B0 ' 20' :7660660D' 8' 24B2"@' =A"G .4?8.0D' A9D056.89D49B ' <86' "0859OD ' 0"7SA09. ' 89D' <57.0' <4.2' 0"0B89=0' 49' ;7.2' :5760' 89D' ?0560" ' 0.490D' 49' 246' .86.06 ' ;A.'0340C498.=' 49' 246' 28;4.6 ' 20' 30""089' 085"@' ?4=.4C' .7' .20' 49578D6' C8D0' 79' 8' <08F' =796.4.A.479' ;@' ?7"A:.A7A69066' 89D' D4664:8G .479" @ "4A6' 50.A590D' 357C' 8997948 .7' #7C0' " " ,H ' 89D' D40D' 79' .20' ?05@' D8@ 8:: 749.0D' 375' 24C' .7' D0"4?05' 8' 3""754D' 04D7B4AC' 49' 2797A5' 73' 8D5489L6' F49D9066' .7' 24S4" 46' ;7D@' <386' D0G :764.0D' 49' .20' .7C;' <24=2' 8D5489' 28D' ;A4".' 8.' #7C0' 375' 246' 7<9' C8A67"0AC ' 97<' .20' =86."0' 73' ." 9B0"7 ' 89D' .28.' 0C:0575' =8A60D' 60?058" .0C:"06' 89D' 6.8.A06' .7' ;0' 58460D' .7' 246' C0C75@* 9' 246' =7496' 20' 46' 6.@"0D' " " #" 20@' 850' C750' 75' "066' 6=85=0 ' 49' 8"" .20' .2500' C0.8"6" 46' ;5866' C0D8""4796' 850' 73' .20' 24B206.' D0B500' 73' 5854.@* 1 ' 4 "4A6' 46' 50:50609.0D' 79' 8"" 246' =7496' <4.2' 2850' 208D ' =A5"@' 2845' 89D' ;085D ' 89D' 8' C8 06.4=' =7A9.0989=0* 8?05=8C:' M49' ' ' +' :" aN' 286' 09B58?0D' 89D' 8:." C@.2' =4.06' 357C' 246' 7<9' =7""0=.479 ' 8""85B0' ;5866' 73' .246' :549=0 ' <24=2' <4.2' 97' 7.205' "0B09D' 79' 4.6' 50?0560' .289' ' # ' " ' ' 89D' 6" =" 79' .20' 0I05BA0' .?":43406' T' 75.A90' <4.2' 205' 5ADD05' 89D' =7CA=7:440 ' C00.49B' 7:0 ' <27' 8D?89=06' 49' "4B2.' ?06.C09.6' 89D' ;0856' .20' ;"7667C' ;03750' 205" "446' 0"0B89.' D0?4=0' 8""AD06' .7' .20' 375.A98.0' 0I8".8.479' 73' * "4A6' 89D' .20' 0I:0=.8.479' 73' 246' ;0=7C49B' C:0575" A.' .20' 27:0' <86' ?849' 89D' 8D5489' <27' 28D' =0"06' ;58.0D' .20' 8D7:.479' <4.2' C9B9434=09.' B8C06' 8' :A;"4=' "85B066' 89D' 8' D798.4?0' .7' .20' 67"D4056' =7A"D7 97.' =79=08" 246' =28B549' 79' :05=04?49B' .28.' 4 "476' <86' :86649B' .7' 8' 60:A"=250' 58.205' .289' 8

.25790" ""AD49B' .7' .20' 8:.578=249B' 8:7.207646' 73' .20' 64=F0949B' 00685' .20' C:0575' 0I="84C0D' 1 0U3 ' . ' + ' '$ V' C4' .28' 0?09.' ?054340D' .20' :50D4=.479*U' "- ' "9 ' :" , , *N1 20' .@:0' 8;7?0' D06=54;0D' 46' 0?4D09."@' .8F09' 357C' % * ' # ' 79' 89' 8A50A6' 73' 8D5489*1 00' 8@"A6' ' ' ++' 6 ' 7" H[* 2 2 ' 8' 57 89' :549=0' .20' 38;"0D' 679' 73' 09A6' ;@' 9=24606*1 554?0D' 8.' C89277D' 20' 8==7C:8940D' 8546' .20' 60DA=05' 73' 0"09' .j3 57@' <2050' 20' C85540D' 50A68' D8AB2.05' 73' 548C' ;@' <27C' 20' 28D' 8' 679' 98C0D' 6094946" 3.05' .8F49B' .28.' =4.@' .20' &500F6' :57="84C0D' .28.' 0?05@' 3500' C89' C4B2.' =855@' 8<8@' 67C0' :75G .479' 73' 246' B77D6" @ 9086' 49' =7960SA09=0' ;750' 73' 246' 27A6027"D' B7D6' "! ¼' 20' &500F6' <050' 67' .7A=20D' ;@' .246' 8=.479' .28.' .20@' B8?0' 24C' .20' 68C0' :05C4*66479' 8' 60=79D' .4C0" ?@4 ' 4CC0D48.0"@' .77F' 246' 38.205' 79' 246' 627A"D056" 20*@' .209' "4;058.0D' 8"" 246' 38C4"@' 89D' "03.' 24C' .7' .8F0' <28.0?05' ;0"79B0D' .7' 24C ' 8.' .20' 68C0' .4C0' 86646.49B' 24C' <4.2' C0896' 375' SA4..49B' .20' =7A9.5@" 3.05' 8' ?8540.@' 73' 8D?09.A506 ' .20' 49=4D09.6' 73' <24=2' 850' 4CC75.8"460D' ;@' .20' A60' 73' 89.A8' K 9086' 8554?0D' 49' .8"@' <4.2' .20' 50C989.' 73' 246' 57 896' B8490D' 350SA09.' ?4=G .75406' 7?05' .20' 98.4?0' .54;06' 89D' 6.8.06' 89D' 8.' "09B.2' 28?49B' F4""0D' A5986' 49' 649B"0' =7C;8.' 7;.8490D' 73' '49B' 8.4986' 246' D8AB2.05' 8?4948' 49' C85548B0" .' <86' 49' 2797A5' 73' .28.' "8D@' .28.' 8==75D49B' .7' .20' #7C89" "0B09D' 20' ;A4".' 8' =4.@' ='' 0.490D' "4 ?494AC' / 89D' .20' 3A5.205' 506A".' <86' .20' A9479' 73' .20' 8;754B4906' <4.2' .20' 57 896' A9D05' .20' =7CC79' 8:: 0""8.479' 73' ' .' 46' 8."D0D' .28.' 20' D40D' 49' ;8.."0' <4.2' .20' 6 ; ' 79' .20' ;89F6' 73' .20' AC4=A6" 57C' 4 9086' @"?4A6' 246' 67A' ;@' 8?4948' 85.' 684D' .7' 28?0' D0600.4D=D' 8""' .20' F49B6' 73' ";8' 79B8' 89D' "86."@' #7CAG "A6' 89D' #0CA6' 37A9D056' 73' .20' =4.@O73' #7C0*1! M 4.46=A6' ' 0' 6 1 4""49' -% ' ' ' !) %

-, ' # ' 20' 34"48" :40.@' 73' R 9086 1' 246' 2057' 46' 50:50609.0D' 79' C89@' 4C:0548"' =7496' 49' .20' 8=.' 73' =855@49B' .20' 8B0D' 9=24606' 79' 246' 627A"D056' 89D' .20' 57 89' :8""8D4AC' M4C8B:' 73' 8""86N' 49' 246' 54B2.' 289D' 6=894A6' 37""7<49B' 24C" 7C0.4C06' .20' :8""8D4AC' 46' 7C4..0D' 89D' .20' ;7@' 286' 27"D' 73' 9086L6' 289D" 246' 679' 73' 4 9086' <86' 8"67' =8""0D' 3' 89D' .20' C0C;M056' 73' .20' ' 38C4"@' :50.09D0D' .7' D0547?0' .2045' 754B49' 357C' 24C ' 8' ="84C' <24=2' 46' 350SA09."@' 49D4=8.0D' 79' .20' =7496' 73' KA"4A6' .0685" 9E

) *

7."405 8""A6479 .7 87 38?7A54.0 8 .20C0 73 98.4798" 3"8..05@ ' RZ4.2 .20 #7C896 ' 46 6009 79 8 ?05@ 5850 !' D09854A6 73 .20 4?49048 B096 ' 6.5A=F ;@ 4?4E 904A6 #0BA"A6 ' C790.85@ .54AC?45 A9D05 ABA6G .A6 C79B6.' .20 6:"09D4D 89D 49.0506.49B 605406 73 ;579\0 C0D8""4796 ' 6.5A=F 8.' #7C0 A9D05 9.7949A6 4A6 ' 46 790 M73 <24=2 .20 8;7?0 46 8 =7:@ 83.05 479A0.L6 :"8.0N ' <4.2 .20"0B09D : # : =76 49 89D .20 .@:0 73) 9=86 ;08549B 9=24606 357C 57@ ' 89D "08D49B 6=894A6 ;@ .20 !' 289D 20 7"D C89 ' =7?050D <4.2 8 57;0 ' 27"D6 8 =86F0.' .20 @7A.2 <0856 8 25@B489 ;7990. 20 5030509=0 79 .246 C0D8""479 .7 .20 :40.@ 73 .20 57 89 =2403 M68@6 8?05=8C:N ' 46 .7 ;0 50G B85D0D 86 =799==.4fB 4.60"3 <4.2 .20 6A598C0 73 4A6 ' <24=2 9.7949A6 ;750 89D 86 =79?0@49B 89 0A"7B4AC 79 .20 34"48" ?45.A06 73 .28.' CG :0575* 1 8:4.7""49A6 ' 6:08F49B 73 .20 8330=.479 <24=2 9.7949A6 0?49=0D .7<85D6 246 :8509.6 6.8.06 .28.' .20 98C0 73 28D ;009 =7930550D 79 24C ' ;0=8A60 ' 49 .20 :50609=0 73 .20 8660CG ;"0D 098.0 20 28D B4?09 246 85C .7 246 38.205E 49E"8< ' <27 (?86 ;57F09 D7<9 ;@ 7"D 8B0 89D .2A6 86646.0D 24C 49 <8"F49B*

2050 46 8 ?05@ 5850 3456.' ;5866 ' <4.2 8 64C4"85 .@:0 ' C49.0D ;0.<009 .20 .245D 89D 37A5.2 =79G 6A"8.06 73 9.7949A6 9 ' ', 1 [N 89D ;7.2 <050 :57;8;"@ D064B90D 86 8 =7C:"4C09.' .7 .20 B77D C:0575 ' <2760 DA.43A" 8..8=2C09.6 86 8 679 <050 3A5.205 620<9 ;@ .20 6.8.A06 <24=2 20 D0D4=8.0D .7 .20 C0C75@ 73 246 38.205 89D C7.205 86 <0"" 86 .7 7.2056 73 246 D03A9=.' 50"8G .4796* 1 00 8?05=8C:' = ' ' ' : ' I?4 : *

C79B6.' .20 =79.7C48.0 C0D8"6 ' <24=2 28?0 79 .2045 7;?05606 .20 506:0=.4?0 208D6 73 057 89D 58 89 46 790 <4.2 375 "0B09D 73 50?0560 ' 89D 375 .@:0 .20 B57A:' 73) 9086 ' 9G =24606 89D 6=894A6 ' .28.' <0""EF97<9 6A;0=.' 28?49B ;004 ' =7:40D 357C 085"405 =7496 ' &500F 86 <0"" 86 8.49*

- , EEEE 554?8" 73) 9086 49 .8"@* 1 9 246 =0"0;58.0D <75F = = V 47990.' 286 B4?09 8 ;08A.43A" 09B58?49B M<209=0 .20 6A;74900 46 =8503A""@ =7:40DN 73 8 ;5866 C0D8""479 ' <24=2 79 4.6 50?0560 ' < .F 50C85F8;"0 C49A.09066 73 B58:24=' "A6.58.479 .*?:43406 .20 D06=54:.479 B4?09 ;@'Z'45BD ' o3 .246 8;754B498" "0B09D 73 ,

% / * !: *) * &* 508D ! ' ' #! ' * * # * *?4 89D 850 :50609.0D < 4.2850E

% * ,

C85F8;"@ 3490 :75.584.' 73 .28.' C:0575* 20 50G ?0560 ' <24=2 46 <4.27A.' 0:4B58:2 D0:4=.A506 9086 89D 6=894A6 ' D460C;85F49B 357C 8 ?0660" 89G =2750D ="760 .7 62750 ' 79 .20 =786. ' 86 C8@ ;0 6A::760D ' 73 8.4AC : :764.0 .7 .246 B57A:' "406 8 67<' 6A=F"49B 4.6 @7A9B ' A9D05 2 .500 / 8;7?0 <24=2 850 .7 ;0 D46=0590D .20 <8""6 73 8 =4.@*

050 ' 49 .20 3456.' :"8=0 ' <0 850 50C49D0D 73 .20 57 89L6 D508C ' 49 <24=2 ' <24"0 "84D 79 4;05L6 ;89F6 ' 7::5066LD <4.2 B5403 U 20 <86 8DD50660D ;@ .20 8.205 73 .20 7C89 3"77D U 49 .2060 <75D6/1

K8CSA0 .4;4 ' 90 ?898 :A.06 260=' 349B050 67C9AC ' 4..75046 49B096 49?09.8 6A ;' 4"4=4;A6 6A6 54B49.8 =8:4.AC 370.A6 094!8 ' 8=0;4.* "';8 67"7 50=A;896 ' 8";4 =45=AC A;058 98.4 4=' "7=A6 95;46 054. ' 50S7406 08 =05.8 "8;75AC/ I SA7 .05 D0946 A5;0C 50D0AA.4;A6 89946 6=894A6 =4854 =7AD0.' =7B87CC46 ' 4;8C ' ?444 >*

9D .28.' .246 94B2."@ ?46479 C8@ 97.' 600C 2L 0330=.' 73 389=@ ' 75 89 4D"0 D508C ' 67<' ;0908.2 89 78F 628"" "40 8"79B "" <24.0 20560"3 ' 89D <24.0 205 4"4453@ @7A9B* ("409 .245.@ 57""49B @0856 "48?0 57A' .2045 58=0 "4@ 679 6=894A6 ' 79 .246 0C:.@6:8=0 "48"" ;A4"D 8 57@8" .7<9 ' 73 "86.49B 38C0 (24=2 357C .246 7C09 628"" 50=04?0 .20 98C0* -- 3 9 '

0I.' <=' 28?0 .20 3A"34""C09.' 73 .20 64B9 B4?09 .7 4 9086 ' 8==75D49B .7 .20 :57C460 73 4;0549A6 ' 86 D06=54;0D 8 "4.."0 3A5.205 79 ' 49 .20 68C0 4CG C75.8" :70C/1

==0 8A.0C 69;4.957 ' 8.S90 7=A"46 C4582 "0 C7A6.5AC 89D4D0 :05 64"?8C =AC 370.A ' =7==7"75 8";7 57=A;A4.' ?454D4SA0 49 "4..750 =7446:4=4.A5 6A6*

7<' 79 .20 62750 .20 38.8" 6<490 46 37A9D/ (79D57A6 .7 .0"" ' 620 "8@ 8"79B .20 B57A9D/ 05 <0""E30D 7"36:549B68.' "405 ADD056 2A9B 20 <24.0 20560"3 ' 8AD <24.0 205 .245.@ @7A9B*

20 =4.@ D0"4908.0D 79 .20 8;7?0 C0D8""479 46 ="085"@ 8?494AC*

% * 75 % * &*1 SA4.86 AG BA6.X*1 M 20 SA4.@ 73 .20 C:0575N*

% *1 20 SA4.@ 5030550D .7 79 #7C89 =7496 ' 64B943406 .28.' ?45.A0 67 CA=2 .7 ;0 D06450D 49 67?0504B9 :549=06 <24=2 :57C:.6 .20C .7 8DC4946.05 .20 8338456 73 .20 :A;"4=' MO*6:0=48""@ ' ' % ' <4.2 4C:85.48" D0G ?7.0D9066 .7 .20 49.0506.6 73 .20 :07:"0* 0 ' 46 8"C76.' 8"<8@6 50:50609.0D A9D05 .20 34BA50 73 2 <7C89 ="7.20D 49 .20 6.7"8 B09058""@ 6.89D49B 67C0.4C06 ;A.' 97.' 73.09 608.0D ' <4.2 8 :845 73 6=8"06 ' 75 N;A.' ?05@ 5850"@N 8 :8.058 49 .20 54B2.' 289D ' 89D 49 .20 "03.' 2 =759A=7:4C ' 75 .20 '+ ' 75 8 6=0:.50*

T 20 6=8"06 ' .28.' 98.A5D 0C;"0C 73 SA4.@ 850 A60D ;@ 0564A6 .7 0I N5=66 .20 D0=46479 73 54B2.' 89D <579B 1 .20 =7CA=7:4p 64B943406 .20 B77D <24=2 506A".6 357C 0I8C4949B 49.7 .20 508" C054.6 73 =8606*U 1 C@.2*

20 0:4B58 N2 73 =! ' M75 =! !A 75 ;0"79B6 .7 .20 C49.6 73 4.0"E "4A6 4.A6 7C4.489 9.7949A6 4A6 j 34A8I # 0?05A3.' "0I 0?05A6 80549A6 8I4C4C46 &75D48AA6 4A6 7"A6489A6 8=548AA6 MJA40.A6*

, % *

% ' ' 75' % ' '
:50609.6' 4.60"3' 79' C0D8"6' 73' # 050C6 ' KA"48'
7C98 ' 858=8""8 ' &0.8 ' "8B8;8"A6 ' &8 409A6*
% ' & 1 SA4.@' <4.2' 6=8"06' 89D'
2759' 73' :"09.@# 4"?05* 1 00' 1 o !
% ' & *1 ' <7C89' 27"D49B'
49' 205' 54B2.' 289D' 8' :845' 73' 6=8"06 ' 49' 205' "03.' 8'
=7CA=7:460# 20' 496=54:.479' 73' 0 ' 49G
8::57:548.0"@'6.8C:0D' 79' .20' C0D8"6' 73' 4.0 4A6'
73' 7C4.489 ' 73' 7CC7DA6 ' 73' 0?05A6 ' 73' 858G
=8""8 ' 73' "8B8;8"A6 ' 89D' 6A=2' "4F0' .@589.6 ' 46'
<4.2' 97' C750' .289' 6.540.' A6.4=0' 09B58?09' 79'
=7496 ' 6.5A=F' A9D05' .20' 504B96' 73' 8' 4.A6 ' 8'
05?8 ' 89D' 8' 05.498I ' ;@' <27C' .28.' SA8"4.@'
8::0856' .7' 28?0' ;009' 6.54=."@' 89D' 649=050"@' =20G
54620D# .' 46' 49D00D' 8' ?45.A0' <75.2@' 73' 89' 0CG
:0575 ' 86' .20' ;54D"0' 89D' 5A"0' 73' 246' 67?0504B9'
:7<05 1 8' ?45.A0' <24=2' CC489A6' =8""6' .20' D0G
6:460D' C7.205' 89D' .20' 9A560' 73' .20' #7C89' <75"D '
WX0 C ' ' '$ ' 0 ' 1) ' * Y
1 :89204C*
% ' *1 ' <7C89' 6.89D49B' <4.2' ;8G
"89=0' 89D' 2759' 73' :"09.@# ' 64"?05' C0D8" 73' #
0?05A6' M6.5A=F' ' , N <4.2'.246' A9:50=0D09.0D'
308.A50' 49' .20' "0B09D' 73'4.6' 50?0560 ' <86' 3456.' :A;G
"4620D' ;@' 0F20"# 49' 246' F3 ' 4# :*, H# 0'
7;605?06' .28.' 49' .20' C85F' # 4.' :50609.6' SA4.@'
89D' 4;058"4.@' D4?4D0D' 49.7' 9AC;056' 8' =45G
=AC6.89=0' 97.4=0D' 904.205' ;@' 0D47;85;4' 975'
;@' 84""8A.# A.' .20' C0894 9B' 73' .246' ,0 '
. 0 ' 20' =8997.' C8F0' 7A.# 2050' 46' 8' =749'
73' KA"48' 7C98' <4.2' .20' 68C0' 50?0560# 7"#
?44# , E,a *
% ' # # *1 20' .2500'
' 6.89D49B ' 08=2' 27"D6' 8' ;8"89=0' 49' .20'
54B2.' 89D' 8' =7CA=7:460' 49' .20' "03.' 289D' q 8.' .20'
377.' 73' 08=2' 46' 8' ?860# 9' 3456.' ;5866' 73' 0:.#
0?05A6*

20' .2500' 30C8"0' :05679434=8.4796' 73' .20' #7C89'
C49.' 08=2' 27"D49B' ;8"89=06' 89D' =7CA=7:4.0'
<4.2' ?8606 ' 75' <4.2' =794=8" 208:6' 50:50609.49B'
.20' .2500' C0.8"6 ' 8.' .2045' 300.' 7==A5'=79.49A8""@'
79' =7496' 73' .20' 4C:0548"# 60506 ' 357C' 05.498I'
89D' # 0?05A6' D7<9<85D6' 06:0=48""@' 79' C0G
D8""4796' ' ;A.' .2060' 850' 375' .20' C76.' :85.' 8==7CG
:8940D' ;@' .20' "0B09D' ' ' 75' &&'
89D' 6052?0' .7' 620<' .28.' .20' :549=06' 73' .20' "7<05'
0C:450' 866AC0D' .7' .20C60"?06' .20'h6A:50C0' :7<05'
73' =74949B' C790@' 49' 0?05@' C0.8"' 86' 64B94340D' ;@'
.2060' 1 00'
2050' 46' 8' 3456.' ;5866' =749' 73' SA4"48' 0?050'
<4.2' .20' "0B09D' 73' = ! ' # $!!" ' ' '" ' 79'
4.6' 50?0560' .20' .@:0' 73' <24=2' 0124;4.6' .2500

) # *
30C8"06' 6.89D49B' 49' 3A""# 57;06' <4.2' .20' 8..54;A.06'
73' 75.A90' M4# 0# =759A=7:4m' 89D' 50DD05N# T 246'
M7;6052?06' 8:.# C@.2M' 46' 89' A9=7CC79' D0?4=0'
375' C0D8"6' 49' 2797A5' 73' 30C8"06' 89D' 46' 79"@'
F97<9'A:79' .246' 89D' 790' 73'KA"48' 8A"8 1 67' .28.'
4.' C8@' ;0' .8F09' 375' 89' 8""A6479' .7' .20' 24B2' 375G
.A90' .7' <24=2' "8B8;8"A6' 0"0?8.0D' .2760' "8D406#
A.' 49' .246' 60960' .20' D0?4=0' 286' "4.."0' 50"8.479' .7'
.20' "0B09D*U 1 8?05=8C:' 49' ' '
286' B4?09' 89' 09B58?49B' 73' .246' 50?0560*
) # *1 50' 75' :7=2' 46' .20' :749.' 73' =7CG
C09=0C09.' 357C' <24=2' @0856' 850' 50=F790D' 86'
.8F09' 357C' .20' D8.0' 73' 67C0' C0C758;"0' 0?09.#
2A6' 49' 2546.09D7C' 06:0=48""@' 2546.489' AG
57:0' <0' =7C:A.0' .20' 9AC;05' 73'@0856' 357C' .20'
050' 73' A5' 75DL6' 49=8598.479# 20' D4330509.'
=4.406' 89D' :07:"06' 73' 89.4SA4.@' ;@' <27C' .20' &500F'
"89BA8B0' <86' A60D' ;0B89' .20' @085' 357C' .20'
608679' 73' 8A.AC9' 98C0"@' 8;7A.' .20' 8A.AC98"#
0SA497I ' 75' 357C' .20' =8"09D6' 73' 0:.0C;05_E'
8".27AB2' 83.05' .20' =7550=.479' 73' .20' =8"09D85'
:57CA"B8.0D' A9D05' K4D4A6' r685' .20' ;0B49949B'
73' .20' @085' <86' .8F09' 357C' .20' =8"0AD6' 73'
K89A85@' 49' 67C0' &500F' =4.406' 493"A09=0D' ;@
#7C0*EEEEEE 20' =7CC09=0C09.' 73' 9AC;0549B
46' 0I:50660D' ;7.2' 49' .20' 85579489' @0856'
357C' .20' 37A9D8.479' 73' #7C0' 89D' 49' .20' ?A"B85'
058' 357C' .20' ;45.2' 73' 2546.# 20' @085' =#
"8) ' ' -' 8==75D49B' .7' 0509.4A6' 855s'
;0B89' [H' @0856' ;03750' .20' 2546.489' 058*1'
==75D49B' .7' 8.7' #7C0' <86' 37A9D0D' 49' $' "'
[,' 8==75D49B' .7' 7"@;4A6' 49' # # [' 8==75DG
49B' .7' 8;4A6' 4=.75' 49' *1 46=79.4 " 0
+ ' 6 ' 4# :# , ' ?7"# 0D4.*N' 68@6 1'
T'K0' :5t3k50' 8?0=" 8" :"A:85.' D06' =25797"7B46.06'
"0' =8"=A" D0' 8557A' SA4' 3A.' "0' :"A6' 6A4?4 :85'
"06' 89=4096' D0:A46' "0' 64k="0' DL ABA6.0*U
57C' 8C79B6.' .20' C050' 4""A6.547A6' 0:7=26' 73'
=4.406' 89D' .2760' 73' C750' 350SA09.' 7==A5509=0'
.20' 37""7<49B' 850' 60"0=.0D' 86' ;08549B' 50"8.479' .7'
#7C89' 46.75@/1
R ', + 1 .20' :0547D' <209' 9# 7CE'
:0@' 6A598C0D' .20' &508.' 28?49B' C8D0' :08=0'
<4.2' 4B58906' ' 49B' 73' 5C0948' 89D' D54?09'
4.254D8.06' ' 49B' 73' 79.96' 7A.' 73' 246' D7C4G
94796' 866AC06' .20' B7?059C09.' 73' 8338456' 49'
@548' 86' 8' #7C89' :57?49=0' 6A;DA06' 2m94=48'
89D' .8F06' K05A68"0C 1 ;0B89' 8;7A.' .20' @085' 73'
#7C0' a,' 9$ ' "' H*N
-, ' ' ' 67' =8#=D' 49' 2797A5' 73' KA"4A6'
8 685' .20' =79SA0575' 73' 7C:0@' ;0B89' <4.2'
.20' ;8.."0' 73' 28568"48 ' # A*=# ' 9$ ' "' N#
20' CA5D05' 73' r685' .77F' :"8=0' # =# ' 85#
,[' 49' 246' .2' 4=.8.75624:*
' D054?0D' 357C' .20' D0308.' 73'
85F' 9.79@' 89D' "07:8.58' ;@' =.8?489A6'
M83.05<85D6' r685' ABA6.A6N' 8.' .20' ;8.."0' 73'
=.4AC' D8.06' 357C' # A*=# 9 ' 9$ ' "' H,*N1 '
^ A.' .246' r58' 49' B@:.' 89D' 49' 67C0' =4.406' .8F06'
4.6' =7CC09=0C09.' 357C' .20' 37""7<49B' @085' ?4\#
9*=# > ' 9$ ' "' H N' 49' 8A.9C9' 8C79B6.' .20'
&500F6*Q
R ' 49' <24=2' =.8?489A6' r685'
8==0:.0D' .20' .4."0' 73' ' 46' .8F09' 357C'
.20' @085' 73' #7C0' > ' 9$ " ' H N' 75' 357C' .20'
37""7<49B' @085*
) # #, *EEE 20' I=20SA05' 75' A;"4=

5086A5@' ' .20' :"800' <2050' .20' 899A8"' 50?09A06' 73' .20' 50 : A ; "4=' <050' D0 : 764.0D ' 89D' <24=2' D0G 54?0D' 4.6' 98C0' 357C' .20' C0.8"' 73' .2O' C790@' 73' .20' #7C896 ' ?4\"' ' M ; 5866N"' .' <86' 49' .20' .0C : "0' 73' 8.A59 ' 89D' .209=0' <050' D58<9' .20' $ ' ' D0358@' 8"'" 900D3A"' 0I : 09606 ' 86' <0"'" 49' : 08=0' 86' 49' <85"' 246' ' <86' B09058"'@' 34"'"0D' <4.2' 4CC0960' 54=206 ' 89D' 5850"@ ' 49D00D' D4D' 4.' 28 : : 09 ' .28.' .20' 6.8.0' "8 ; 7A50D' A9D05' 89@' <89.' 73' C790@"' 20' =A6.7D@' 73' 4.' <86' =7934D0D' .7' 7334=056 ' 60"0=.0D' 357C' .20' : 07 : "0 ' 89D' <27' <050' =8"'0D') ' :' .20@' <050' 50SA450D' .7' ; 0' C09' 49' 24B2' 50 : A.0' 375' B508.' 54=206 ' : 57G ; 4.@ ' 89D' D4649.0506.0 066"' 064D06' .246' 75D49G 85@' .50864A0 ' .2050' <86' 897.205 ' <24=2' ; 750' .20' 8 : : 0"'"8.479' 73' F ' ' ; 0=8A60' 4.' <86' 49' .20' 49.05475' 73' .20' .0C : "0 ' 75' : 0528 : 6' ; 0=8A60' 4.' <86' 97.' 8"'"7<0D' .7' ; 0' 50675.0D' .7' 0I=0 : .' 49' : 506649B' 0C05B09=406"' KA"4A6' =0685 ' <89D' <27' 9.790@' 375' 246' 7<9' : A5 : 7606 ' DA549B' .20' =4?4"' <85 ' .77F' 375=4 ; "0' : 766066479' 73' .246' D0 : 764.' 73' : A ; "4=' <08".2 ' 89D' =85540D' 8<8@' ?86.' 6AC6 ' 86' 46' 8=F97<"0DB0D' ; @' 8"'" .20' 246.754896 ' 8".27AB2' .20@' D7' 97.' 85D0' 86' .7' .20' SA89.4.@' 1 9' 8DD4G .479' .7' .2060' .<7' .5086A5406 ' .2050' <86' "4F0<460' .20' ' 8 ' 375C0D' ; @' ABA6.A6 ' 375' .20' C849.0989=0' 73' .20' #7C89' .577 : 6 ' .20' 89G =409.' 3A9D6' : 57?49B' 496A334=409.' .7' 3A59462' : 8@' 375' 8"'" .20' "0B4796 * 1 00' 4.46=A6*

9' B7"D' 89D' 64"?05' =7496' 6.5A=F' ; @' ' ! !.' =4?6"' " " 790' 73' .20' C790@056' 73' ABA6.A6 ' <0' 508D' .20' 37"'"7<49B' 496=54 : .479 ' <24=2 ' 86' =79.84949B' .20' 494.48"' "0..05' 73' .20' <75D' ' + ' C8@ ' <4.2' : 57 : 540.@ ' ; 0' =4.0D' 49' .246' : "8=0/' ?4\"' 6" : "' S+" ' ! # ' " ' S?7 " ?" " 8* + " " : " %" " " " " F 5' # + ' 0 ' 6 ' ' + ' ' ' / ' ' 'F ' , ' , '# J ' / '8 ' ' .' 2 @ ' , 8 ' ' C79AC09.' .246' 73' : A ; "4=' B4I8.4.AD0' .7' .20' C : 0575 ' 8 ; 7?0' 98C0D ' <27' ; @' C8F49B' 89D' 50 : 84549B' B508.' 578D6 ' 28D' =79.54G ; A.0D' .7' .20' : A ; "4=' 6830.@ ' 89D' <27' D4D' .246' 67' 385' 8.' 246' 7<9' =76.' .28.' 20' 28D' =8A60D' .7' ; 0' =79?0@0D' .7' .20' 3' $' ' F ' .28.' C790@' <24=2' <86' .20' 35A4.' 73' 246' ?4=.75406 ' 89D' 73' .20' 8D?89.8B06' 20' 28D' B8490D' 7?05' .20' 37504B9' 090C406' 73' 246' =7A9.5@* 1 00' =F2="L6' 50C85F6' 79' 8' =749' 73' .20' ' 38C4"@ ' =7557 ; 758.4?0' 73' .20' 38=.' .28.' 20=7, ' 75' : A ; "4=' .5086A5@' 8.' #7C0' <86' 49' .20' .0C : "0' 73' 8.A59* 1 00' 8"67' .20' <75D' *

K # & *EEE #A6.' 73' 8' : 0=A"485' F49D' 49G =5086O6' .20' : 54=0' 73') ' =7496 ' ; 049B' 89' 75G 98C09.' 4C : 85.0D# ; @' 98.A50' 8"790 ' <24=2' .20' A.C76.' 54?8"624 : ' 73' 85.' 286' 97.' @0.' ; 009' 8 ; "0' 6A==0663A"'@ .7' 4C4.8.0# 2050' 46 ' 49D00D' 67C0' : 85.4=A"85' 085.2' .28.' =7CCA94=8.06' .7' .20' C0.8"' 49' SA06.479' 8' =78.49B' 89D' 8' =7"7A5 ' <24=2' 49' 4.6' 2A0' 73' ; "A0' 86 : 05 ' 75' .A5SA746 ' 67C0.4C06' 0?09' 0I=0"6' .20' B0C' 73' .28.' 98C0# 20' =54C679' 75' 5A ; @ ' <24=2' 8D20506' .7' 7.205' =7496 ' 46' 8' 64B9' 73' B09A4909066# .2056' 850' =7?050D' <4.2' 8' 98.A58"' ' ?859462 ' 73' 624949B' 89D' 6 : "09D4D' ?47G "0.' 75' : A5 : "0 ' "08?49B' 385' ; 0249D ' 49' : 749.' 73' ; 54""489=@ 89D' 73' 0I SA464.0' 6C77.29066 ' .28.' ; 5866' 7A.' 73' <24=2' 6.8.A06' 850' =86.1 8' SA8"4.@' <24=2' 90?05' 384"6' .7' ; 0' 50=7B9460D' ; ?' .2760' 97660664985

.20' C76.' 75D4985@' 8=SA849.89=0' <4.2' 9AC46G C8.4=6 ' 4986CA=2' 86' 4.' B508."@' 6A5 : 86606' .20' =7"7A5' 67' 0864"@' 7 ; .8490D' 357C' ?490B85' 8CG C7948=# 20' .5A0' ' 46' 49' B09058"' D0=4D0D"@' B5009 ' 89D' 8.' .20' 68C0' .4C0' 375C6' 8' ?05@' .249' =7?0549B ' 49649A8.49B' 4.60"'3' 7?05' .20' 6A538=0' 73' .20' =749' 49' .20' C76.' D0"4=8.0' ?490B85 ' <4.27A.' 7 ; "4.058.49B' 89@.249B ' 67C0<28.' 49' .20' <8@' 73' 89' 098C0"' 246 ' 27<0?05 ' 86' 8"508D@' 7 ; 605?0D ' 67"0"@ 8 : : "406' .7' ; 5866' =7496/ 375' ' 89D' 5A6.' =7557D0' ' =7496 ' 89D' 375' .28.' 508679' 4.' 46' : 57 : 05' .7' 5A ; ' 4.' 733' 357C' ' <4.2' A4=0' 73' "0C796* 1 K7 ; 05. ' F ' ' ' 4# : # HH [* # & ' .20' : 0530=.479' 73' + 0 ' <24=2' 46' .20' 6C77.2 ' =7"7A50D' ?859462' 73' .4C0* 1 C@.2* * 1 5866' 89D' =7 : : 05' <050' .20' C0.8"6' 3456.' A60D' 86' C790@' ; @' .20' #7C896# 09=0' .20' <75D' 605?0D' 83.05<85D6 ' <4.2' .20C ' .7' D064B98.0' 0?05@' F49D' 73' C790@' <20.205' B7"D ' 64"?05 ' 75' ; 5866# 9D' 0?09' 8.' .28.' : 0547D' <209' .20' <08".2' 73' .20' #0 : A ; "4=' <86' 8.' 4.6' 24B206.' : 4.=2 ' 0?05@' 6 : 0=406' 73' =A5509.' =749' =79.49A0D' .7' ; 0' D097C498.0D' * 1 20' ' ' 4.' 46' 0?4D05.' 357C' .20' D0G 6=54 : .4796' 73' .2045' <54.056 ' <86' ; 5866' M75' =7 : : 05N' 49' ; 856 ' 73' .20' <04B2.' 73' 8' : 7A9D' "+ ') % A60D' 86' C790@' ' ; 03750' .20' 49.57DA=.479' 73' 8' 64"?05' =7498B0# =F20"' 49' 6A : : 75.' 73' .246' 7 : 49479 ' =4.06' 06.A6 ' <27' 68@6 (4 ' ' 0 ' '+ ' 0 ' ' ' ' + ') ' $$) ' ' ')' ' K7 ' ' ' 20' =7"'0=.49B' 73' 6A=2' 208?@' C86606 ' .7' 89@' B508.' 8C7A9.' 73' ?8"A0 ' ; 0=8C0' 67' 0IG .50C0"@' 49=79?09409.' .28. ' 8==75D49B' .7' 4?@' .20' ' <86' 7 ; "4B0D' .7' ; 0' =79?0@0D' .7' .20' .5086A5@' 49' <8BB796# A ; 60SA09."@' 49' 75D05' .7' 7 ; ?48.0' .246' 7 ; 0=.479' : 40=06' 73' =7 : : 05' 73' "066' <04B2. ' ; A.' <4.27A.' 89@' C85F ' <050' 57AB2"@' =A. ' 89D' .2060' 7_' 8==7A9.' 73' .2045' A9=7A.2' 375C ' <050' =8"'"0D' ' 246' 4C : 57?0C09.' 46' ; @' 67C0' 89=409.' <54.056' 86=54 ; 0D' .7' 44C8# A.' 4.' <86' 97.' A9.4"' .20' 504B9' 73' 05?4A6' A"G "4A6 ' .28.' .20' #7C896' 850 ' <4.2' 89@' DA0' D0B500' 73' 8A.2754.@ ' 83345C0D' .7' 28?0' ; 0BA9' 6.54F49B' 57A9D' =7496' 73' ; 5866 ' <4.2' .20' .@ : 0' 73' 8' ; A"'" =# .7' <24=2' .20@' B8?0' .20' 98C0' M8==75D49B' .7' "49@N' 73' ' *1 00' * 1 8"67' ' # ' .20' =7 : : 05' 79' <24=2' .20' #7C89' + ' 75'60=79D' ; 5866' <050' C49.0D* 1 ' 00' C@.2 ' I?* 4 ' 49' .20' C750' B09058"' 7 : 49479' 73' C@.27B58 : 2056 ' <86' 50B85D0D' ; @' .20' 89=409.6 ' 86' .20' 679' 73' : 7"'"7' 89D' 73' 757946 ' D8AB2.05' 73' 2"0B4A6 ' ' 49B' 73' 20668"@# ==75D49B' .7' .20' 68C0' 38 ; A"7A6' 8A.2754.@ ' 246' 50 : A.0D' 38.205' =79G 34D0D' 246' 0DA=8.479' .7' .20' =09.8A5' 24579 ' <27' 496.5A=.0D' 24C' 49' C0D4=490' 89D' 7.205' 6=49=06 ' =7C : 50209D49B' 8' .2757AB2' F97<"0DB0' 73' : "89.6# 79375C8 ; "@' .7' .20' =A6.7C' 73' .2760' 085"@' 8B06 ' 20' =7C ; 490D' .20' : 58=.4=0' 73' 6A5B05@' <4.2' .20' 38=A".@' 73' 8' : 2@64=489 ' 89D' <4.2' 67' 24B2' 8' D0B500' 73' 6A==066' <86' 246' =85005' 8..09D0D ' .28.' .7' 24C' <86' 6A : 056.4.47A6"@' 86=54 ; 0D' .20' : 7<05' 73' =A549B ' ; @' <75D6' 8"790 ' 8"'" F49D6' 73' <7A9D6 ' =79.A64796 ' 30?056 ' 0# .' <86' 0?09' 8"'"0B0D' .28.' 20' 28D' 58460D' C89@' : 056796' 357C' 8..09D0D ' 7 45508.# 49' 6275.' <86' .20' =0"0 ; 54.@' 20' 8=SA450D*

) *

.28.' D4?490' 2797A5' <050' :84D' .7' 24C' 83.05' 246' D0=0860' 89D' 20' <86' ?09058.0D' 86' .20' .A.0"85@' B7D' 73' .20' 208"49B*85.#' A 6=9"8:4A6' 28D' .0CR' :406' 49' C89@' :85.6' 73' &500=0' 648' 4975' =# 0' <86' 06:0=48""@' .20' 7; 0=.' 73' <75624:' 8.' :4O' D8A5A6' M8' =4.@' 73' B548' 49' .20' 0"7:79906A6N' .20' :"8=0' 73' 246' ;45.2*

246' :8B89'D4?494.@' 46' A698""@' :75.58@0D' A9D05' .20' 34BA50' 73' 8' 60D8.0E"77F49B' C4DD"0E8B0D' C89' 6.89D49B' 75' M;A.' 5850"@N' 64..49B' <27""@' 75' :85."@' =7?050D' <4.2' 8' ="78F' 89D' 27"D49B' 49' 246' 54B2.' 289D' 8' 6.833# 57A9D' <24=2' 8' 605:09.' 46' 09.<490D*1 ' D09854A6' 73' .20' #7C89' 38C4"@' ' 0I24;4.6' 79' 4.6' 7;?0560' .20' 208D' 73' 06G =A"8:4A6' "8A508.0D' 89D' 79' 4.6' 50?0560' 8' 604O:09.' =74"0D' 57A9D' 8' 6.833# M 750""N*1 9' 8',6.';5866' C0D8"G "479' 73' # 05A6':50609.6' 24C' 79' .20' 68C0' 50G ?0560' <4.2' @B048' .20' B7DD066' 73' 208".2' 89D' 79' 7.205' C0D8"6' 20' 46' 6009' 8..09D0D' ;@' .20' "4.."0' Z7% [' <27' 8:.0856' .7' 28?0' 246' 754G B49' 49' B*R N.489' C@.27"7B@' 89D' .7' 20' 4D09.4=8"# <4.2' 85:7=58.06' 20' B7D' 73' 64"09=0# 9' D0G 6=54;49B' 8' C4DD"0' ;5866' 73' 858=8""8' 79' <24=2' "6=A"8:4A6' 6.89D6' ;0.<009' 0"06:275A6' 89D' 8' 6C8"# B"7;0' 8.49' 7;605?06' .28.' .20' #7C896' 86' <0"# 86' .20' &500F6' <75624:.0D' 24C' 86' .20' 8A.275' 73' .20' 208".2' 73' ABA6.A6' 89D' 83.05G <85D6' 73' 0?05@' 504B949B' 0C:0575' 375' <24=2' 508G 679' 20' 73.09' 8::0856' 79' .2045' =7496' 06:0=48""@' 79' .2760' 73' 858=8""8' ";49A6' 89D' &8""409A6*

*1 20'79"@':57DA=.479' 73'.2B' #7C89' C49.' 79' <24=2' .20' ' $'73'4 6=AE' "8:4A6' 8::0856' 46' 8' 3490' C0D8""479' 49';579\0' 6.5A=F' A9D05' 9.7949A6' 4A6 1 6:0=4C096' 73' <24=2' ?05@' B508.' 9AC46C8.4=' 5854.@' 850' =79G .8490D' 49' .20' =8;490.' 73' .90' * 0 ' WE' - 3' 8.' 8546' 89D' 49' .28.' 73' .20' C:0548"# A60AC' 8.' 40998*1 20') ' 0I24;4.6' 8' "8A508.0D';A6.' 73' .20' 0C:0575' <08549B' .20' :8"AE' K8C09.AC' 857A9D' 4.' 46' 508D' ! ' &' 4?6#' :#' :*' # =76#' 94"*1 40' ' 286' 375' 4.6' .P:0' 8' 605:09.' D85.49B' 357C' 8' B8""0@' A9D05' 8' ;54DB0' 73' .<7' 85=206#' 03750' 4.' 46' .20' 4;05' :05679434OD' 64..49B' 49' .20O' C4D6.' 73' .20' <8.05# 20' 54B2.' 289D' 73' .246' 54?05EB7D' 46' 01G

.09D0D' .7<85D6' .20' 605:09.' .20' "03.' 27"D6' 8' 500D' 89D' 506.6' 79' 89' AC' <209=0' 3"7<6' 8' =7E

) *

:47A6'6.508C*' 085'4.'850'60?058"";A4"D49B6'89D' 8' .500'64.A8.0'79' 8' 57=F*' '<75D' " .' 4?6'46'79'.20'0I05BAO*

20' 496=54:.479' 89D' .@:0' 73' .246' 50?0560';085' 5030509=0' .7' .20':=A547A6' "0B09D85@' 98558.4?0 1 790' .245D':57;8;"0' 38=.' 89D'.<7' .245D6' 6A:056.4.47A6' 38;"0 1 =79=05949B' .20' 8554?8"' 73') 6=A"9QN4A6' 8.' #7C0' ' <24=2' ?4D' DO6=54;06' 49' 246' ' + ' M"4;*' I?*N' 89D' <24=2' 8"054A6' 81G CA6' 89D' 7.205' 7"D' <54.056' 28?0' .8F09' .20' :8496' .7' B4?0' 49' 6A;6.89=0' 86' 37""7<6/1 9' .20' 4R 5D' @085' 357C' .20' 37A9D8.479' 73' .20':=4.@'9$ " '> ,N .20' :"8BA0' C8D0' B508.' 58?8B06' <4.249' 4.6' <8""6' 20' :A9.43"'6' 8:.749.0D' .7' =796A".' .20' @;4""490' ;77F6' 37A9D' .28.' .20' 79"@' C0896' 73' 506.7549B' 208".2' 49' #7C0' <86' .7' =8960') 6=A"8:4A6' .7' ?464.' 4.' 357C' :4D8A946*' ==75D49B"@' 8' D0:A.8.479' 73' .09' :549=4:8"'=4.4\096' <86' 609.' .2050' <4.2' %*' BA"E' 94A6' 8.' .2045' 208D*' (24"6.' .2060' :056796' 79' 09.0549B' .20' .0C:"0' 73' .20' D0C4EB7D' <050' 4DE' C4549B' .20' ;08A.@' 73' .20' 6.8.A0' .20' 605:09.' <24=2' .20' 4928;4.89.6' 73' :4D9A5A6' 60"D7C' 68<' 89D' <24=2' .20@' 2797A50D' 86') 60A"8:496' 24C60"3' C8D0' 4.6' 8::08589=0' 49' .20' C76.' 350SA09.0D' :85.6' 73' .20' .7<9' C7?49B' 6"7<"@' 8;7A.' 89D' C4"D"@' "77F49B' 857A9D*' 3.05' 28?49B' .2A6' 620<9' 24CG 60"3' DA549B' .2500' D8@6' .7' .20' :07:"0' 20' :57G =00D0D' .7' .20' 285;7A5' 09.050D' .20' #7C89' B8"G "0@' 89D' 096=79=0D' 24C60"3' 69AB"@' 49' B44"94A6G =8;49' <2050' 20' :08=08;"@' 5.4498490D' =74"0D' A:* 20' 8C;8668D756' 28?49B' C8D0' .20C60"?06' 8=G SA849.0D' <4.2' .20' C899905' 49' <24=2' .20' 605:09.' <86' .7' 20' 2797A50D' 4CC0D48.0"@' 60.' 684"' 89D' "89D0D' 8.' 44.4AC*' 2050' .20' 605:09.' "03.' .20' ?0660"' 89D' 09.050D' .20' ?06.4;A"0' 73' .20' .0C43"0' 73') 6=A"8:4A6*' 3.05' 50C84949B' .2050' .2500' D8@6' 4.' 50E09.050D' .20' 624:' 49' 75D05' .7' ;0' =79G ?0@0D' .7' #7C0' ' 4CD' <uf6.' .20' D0:A.8.479' <050' D460C;85F49B' 79' .20' ;89F6' 73' .20' 4;05' .20' 605G :09.' 6<8C' 8=5766' .7' .20' 46"89D' <2050' 83.05<85D6' ."40' .0C:"0' 73') 60A"8:4A6' <86';A4".*' 46' 8554G ?8"' 4.' 46' B58?0"@' 8DD0D';@.20' #7C89' 246.75489' D46:0""0D' .20' =79.8B47A6' D4608*60' 375' <24=2' 246' :50609=0' 28D';009' 67AB2.' 86' .20' 50C0D@*

T' 9' .20' C0D8""479' 73' 9.79490' M7;605?06' 4""49' 49' 246' ' 3 7 + % ' .20' 4;05' 80N:0856' A9D05' .20' A6A8" 34BA50' 73' :05G 679434OD' 54?056*' 085' 24C' 46' .20' 46"0' 73' .20' 4;05' =8""0D' 067:7.8C48' ;0=8A60' 4.' 46' 49' .20' C4DD"0' 73' .28.' 54?05*' .' 286' .20' 375C' 73' 8' B8""0@' 86' 49D00D' <86' .20' =860' 89D' .7' .246' D8@' .2050' 6.4""' 50C849' 67C0' 358BC09.6' 73' 4.' <24=2' 28?0' 06=8:0D' .20' 49 A5406' 73' .4C0' 89D' .20' 49A9G D8.4796*' P:79' .20' .7:' 73' .20' :57<' 73' .20' 624:' <24=2' .20' 46"0' 49' SA06.479' 46' C8D0' .7' 5060C;"0' 46' 50:50609.0D' 8' 605:09.' 49' .75.A7A6' 37"D6' 8DG ?89=49B' 4.6' 208D' 49' 8' =79.585@' D450=.479' .7' .20' =A5509.' 73' .20' <8.05*' 20' .09:"0' 73') 6=A"8:4A6' ;A4".' 79' .20' 46"0' 28D' 8' 24B2' 50:A.8.479*' 20' :500.75' A=50.4A6' =79.54;A.0D' B508."@' .7' 4.6' 0CG ;0""462C09.*' .' 46' 97<' .20' 2A5=2' 73' * ' ' ' ' <24=2' 46' 6.4""' 790' 73' .20' C76.' =0"0;58.0D' =2A5=206' 49' #7C0*LO

9' 8' D09854A6' 73' 858=8""8' ;08549B' 375' 4.6' "0B09D' 73' 50?0560':*' ' '#'6 !!!' " '449*'# #' M 7?0504B9' 79.433' 49?06.0D' <4.2' .20' .54;A94.489' D4B94.@' 375' .20' , .2' .4C0' =796A*' 375' .20' .2

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.4C0N ') 6=A"8 :476' 46' D064B98.0D' ;@' 246' 4960 : 85G 8 ;"0'8..54 ; A.0 '89D' ;@' 246'64D0 ' 75' 58.205' 8.' 246' 300. ' <0' 600' 246' D<853462' =7C : 8979' 0E "06 : 275A6*EEEEEE 20' 358.54=4D0 679' 89D' 6A==06675' 73' .20' C05G =4"066' 0?05A6 ' <27' =8A60D' .246' 64"?05' =749' .7' ; 0' 6.5A=F ' 46' 684D' ; @' 057D489A6' .7' 28?0' ?464.0D' 053.8C76*' 8 ; 7A.' ' ' >, [' T' 49' 75D05' .7' 8=0' 24C60"3' A9D05' .20' .A.0"85@' =850' 89D' 208"G 49B' 493"A09=0' 73') 6=A"8 : 4A8 U' .7' <27C ' 8C4D6.' =7C ; 490D' .75. A506' 73' C49D' 89D' ; 7D@ ' .20' 3057G =47A6' .@589.' <86' : 573A60' 49' : 58@056' 89D' 68=54G 34=06*' 9D05' .20' 3509\40D' 4"" A64796' 73' 8' BA4".@' =796=409=0' 20' 68<' 246' ; 57. 205' =796.89."@' ; 03750' 24C ' ; 589D46249B' 8' 98F0D' 6<75D ' 89D' "8A9=249B' .20' C76.' .0554 ; "0' .2508.6' 8B8496.' 24C*' 3.09' D4D' 20' 49?7F0' .20' ' 73' .20' D08D ' 89D' =2403"@' .274.0' 73' 246' 38.205 ' <27' 8 : : 0850D' 8" <8@6' 8==7CG : 8940D' ; @' &0.8*' 0' 28D' 8"508D@' 4C : "750D' : 7""7' 49' ?849' .7' 506.750' 24C ' 89D' 97<' 20' 67AB2.') 6=9"8 : 496 ' <27 ' 28?49B' 97' 506 : 0=.' 375' CA5D05056 ' <86' 8"67' D083' .7' 246' 50C75603A*' 6A : G : "4=8.4796*

9' 64"?05' 89D' 60=79D' ; 5866' 73' " ; 49A6' M.20' "8..05' <4.2' =76*' 4*' 375' "0B09D' 73' 50?0560N ') 6E' =A"8 : 4A6' 8 : : 0856 ' A : 54B2. ' 506.49B' 246' 54B2. ' 85C' 79' 246' + ' ' 6.833*' 0' 8"67' 46' 37A9D' <4.2' 246' A6A8*' 8..54 ; A.06 ' 79' 64"?05' 89D' .245D' ; 5866' 73' &8 409A6 ' 628549B ' 86' " * *' & $ ' M.20' C : 05756' : 50605?05N ' .2760' 68=54G 34=48*' 2797A56 ' =24' .28.' 5862' 89D' 50=F"066 : 549=v ' 8C4D6.' 8' <75"D' 73' =8"8C4.406 ' : 2@64=8" ' 67=48"' 89D' : 7"4.4=8" ' <86' 8.' .20' 68C0' .4C0' 49' .20' 28 ; 4.' 73' : 8@49B' .7' : 7""7 ' .7' 05=A"06 ' .7' KA : 4.05 ' .7' 8' <27"0' "@C : A6' 73' 7.205' 37"60' B7D6 ' <27C' 20' ?849"@' 49?7F0D' .7' 68?0' 24C' 89D' 246' D46.58=.0 ' 0C : 450' 357C' 4C : 09D49B' D06.5A=G .479*

) b '89D' 246' & ' 79' 8' ; 5866' C0G D8""479' 73' 9.7949A6' 4A6* 1 00' . $$' $' R ' +

75' 8' 50 : 50609.8.479' 73') 6=A"8 : 496 ' 86' 8' @7A9B' C89 ' C8F49B' 246' 3456.' 0668@ 49' .20' 208"49B' 85. ' 79' .20' <7A9D0D' 377.' 73' 89' 71 ' 600' 72 ' " ' @ ' 75' 6A ' ' 8' =749' 73' 854AC*

@ : 06' 73') 6=A"8 : 4A6' 8"67' 8 : : 085' 79' 8.49' =7"7948" =7496' 73' 8 ; ; 8 ' 7549.2 ' 8C86=A6 ' 0A".AC ' 89D' 8.5 r*' A.' 4.' 46' 79' .20' &500F' 4C : 0548" .28.' <0' 349D' .20' 0334B@' 89D' .20' ?854G 7A6' 8..54 ; A.06' 73' .246' D0C4EB7D ' C76.' 3A""@' D0G ?0"7 : 0D* 9D' 79' .20' C0D8""4796 ' 49' : 85.4G =A"85 ' .246' 7 ; 0=.' 46' 8==7C : "4620D ' <4.2' B508.' ; 08A.@' 73' D064B9' 89D' D46 : "8@' 73' 85.46.4=' 6F4""* / .20' 34BA50' 73') 6=A"8 : 4A6' ; 049B ' 49' .2060' 49G 6.89=06 ' B09058""@' B57A : 0D' <4.2' .28.' 73' 67C0' : 549=0"@' : 0.4.47905' 375' 246' .A.0"85@' 38?7A56 ' 89D' 8"67' <4.2' .20' B7DD066' @B048

* R 1 ?4= * ' ' 4=.75@' <8"F49B* 1 4""79' 73' &8 409A6* 1 89DA54 ' 4*' , * * R 1 00' ' 73' 58 89* * R 1 00' B7"D' 73' 06 : 86489* #* &* R ' 3 '73' 8D5489* * R 1 7 ' ' ! " ! ' .' 2 ' 1 1 9' 60=79D' ; 5866' 73' 47="0.489* 1 ' 84""89.' 5*' 4*' >[>*

* &* %A8D54B8' 73 "4796 ' <4.2' @ ; 0"0' 79' 8' =85* 1 ?05' 73' KA"48' 7C98 ' C7.205' 73' 858=8 8' 89D' &0.8 ' <27' 46' 2050' 50 : 50609.0D' 86' @ ; 0"0 ' 86' .27AB2' 620' 28D' ; 57AB2.' 375.2' ' 1 84""89. ' 5*' 44*' >HH*

* &* * ' 1 9' 8' =749' 73' 8409.4A6*

* 1 #7C0' 46' 67' =8 0D ' 04.205' .7' D46.49BA462' 205' 357C' 7.205' =4.406 ' 75' 79' 8==7A9.' 73' .20' 89=409.' 7 : 49479' 73' .20' #7C896' .28.' .2045' =4.@' <7A"D' ; 0' 0.0598"* 1 M#860 ; 0"M 1' 00' ' ' &* 1 (7"3' <4.2' .20' .<496 ' 79' >9D' ; 5866' 73' 8109.4A6 1 89DA54 ' A*' , [*

' # * 1 ' =45=A"85' .0C : "0 ' <4.2' 3579.' 73' 64I' =7"AC96 ' 5060C ; "49B' 8' C8A67G "0AC ' 790' 73' . ; 0' D7756' 28#' 7 : 09 ' 89' 08B"0' 79' .20' .7 : ' 73' 4.6' D7C0 ' 49' .20' 0I05BA0 ' ' # ' 75' ' %*' 75' ' ' 20' 7 ; ?0560' 286' .20' ?04"0D' 208D' 73' 796.89.496' 2"7596 ' <4.2' "0B09D' * + ' ' ' ' M75' & *N 1 0=79D' ; 5866 ' 09B58?0D' 49' 89DC9 ' 44*' : * a *

246' ' 3' M50C85F6' : 89204C ' 49' 5030509=0' .7' .20' 8 ; 7?0' D06=54 ; 0D' =749' 73' 796.89.496' * ' 38.205' 73' 796.89.490' .20' &508.N ' .246' ' ' <86' .20' B508.' 7 ; 0=.' 89D' 06.00C0D' .20' C76.' B"7547A6' 50=7C : 0960 ' 73' 8' =79SA0575L6' 0I : "74.6*' 57C' .246' 6.579B' 609.4G C09.' 73' <85"4F0' 8C ; 4.479 ' 89D' 357C' .20' 97' "066' 6.579B' D06450' .7' ; 0' 50C0C ; 050D' ; @' : 76.054.@ ' 28?0' : 57=00D0D' 97.' 79"@' .20' 8 ; 7?0' 496=54 : .479 ' ; A.' 8"67' .2760' 73' '# + ' 89D' 0 ' ! ' <24=2' 850' 37A9D' 79' .20' =7496' 73' 67C0' $' '#7C89' C : 05756 ' 6.5A=F' 83.05' .2045' D08.26 ' 89D' <24=2' ="085"@' 620<' <28.' CA6.' 98.958 @' 28?0' ; 009' .20' .5A0' 60960' 89D' C08949B' 73' .2045' ' 75' . =' 68C0' 508679 ' 6A=2' 49G 6=54 : .4796' 850' 8==7C : 8940D' <4.2' 50 : 50609.8.4796' 73' .0C : "06 ' "4B2.0D' 8".856 ' 08B"06 ' 75' 73' =856' D06.490D' 375' : A ; "4=' : 57=0664796 ' <24=2' =796.4G .A.0D' .20' 75D4985@' C85F6' 73' .2060' + * 1 ' M 00' 806856' 73' KA"489 ' > , , *N 1 57C' .20' "0B09D' 73' .20' 7 ; ?0560' <0' "0859' .28.' .246' =749' <86' 6.5A=F' ; @' 75D05' 73' 8109.4A6 ' 49' 2797A5' 73' 246' D0=0860D' ' ; 96.89.4A6* 1 00' $

' * 1 ' 67"D405' 6.89D49B ' 49' 20"C0.' C4"4.85@' D5066 ' 89D' ="78F ' 8' 6 : 085' 49' 246' 54B2.' 289D ' 89D' 8' B"7 ; 0' 49' 246' "03. ' 6A5C7A9.0D' ; @' 8' =5766' 89D' C797B58C' 73' 2546.* 1 =F20*' M?444*' a>N ' 8A.209.4=8.06' .246' 86' 8' H5D' 258*66' 73' 796.89.49A6' 8B9A6 ' 49' .20' 4C : 0548"' =8 ; 490. ' 89D' 0B05' B4?06' 8' : 54A.' 73' 4.' 49' ?7"' 44*' : * [' *

20' 7 ; ?0560' 73' .246' =749' 8334I06 ' 49' 4.6' "0B09D ' .7' .20' 98C0' 73' .20' C : 0575 ' <2760' 208D' 46' ?04"0D' .20' 7"D' C85F' 73' 208.209' =7960=58.479 ' ?4*' 4 < 6 / =7960SA09."@' 4.' CA6.' 28?0' ; 009' 6.5A=F' 83.05' 246' D08.2*' 20' C4I.A50 ' 27<0?05' 73' 2546.489' 0C ; "0C6' <4.2' 8B89' 7 ; 605?89=06 ' 49' .20' 496=54 : .4796 ' 46' 49' : 0530=.' F00 : 49B' <4.2' .20' =2858=.05' 89D' =79DA=.' 73' .246' 8 ; "0' ; A.' C76.' A9G 6=5A : A"7A6' : 549=0 ' 8' C05=4"066' =79SA0575 ' 8' =5A0*' 38.205' 89D' 89' A9 A6.' ADB0 1 8' C89' <2767' A'+ 3$ ' 0?09' 83.05' 246' 7 : 09"@' : 5730660D' 079?05E' 6479' .7' .20' 50"4B479' 73' .28.' 5766 ' .257AB2' .20

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64B9' 73' <24=2' M49' 27=' 64B97N' 20' ; 786.0D' 73' 28?49B' T' 7?05=7C0U' 246' 54?8"6 ' 89D' 8..8490D' .20' : A5 : "0' 9 ' ' H, , N ' <7A"D' 600C' 357C' =7496 ' 89D' 7.205' C79AC09.6 ' .7' 28?0' ; 009' CA=2' C750' 73' .20' 8B89' .289' 73' .20' 2546.489' 675. ' 89D' <2760' : 7"4=@ ' 49' 4.6' <27"0' .0975 ' 620<6' .28.' .249B6 ' ' A' .0598"U' ; A. ' .0C : 758"' 89D' 600A"85 ' <050' .2760' <24=2' ' 67AB2.' 89D' : 54\0D*

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49B' 8' 600 : .50 ' 75' .20' ' + ' 49' 205' "03.' 289D ' 89D' 8' B"7 ; 0' 6A5C7A9.0D' ; @' .20' 27094I' M600' .28.' <75DN' 4 : ' 205' 54B2.'* !

' # *1 '57A9DE375C0D' .0C : "0 ' 790' 73' .20' D7756' 73' <24=2' 46' 28"3' 7 : 090D'* 9' .20' .7 : ' 73' 4.6' D7C0' 6.89D6' 89' 08B"0 ' <4.2' 0I : 89D0D' <49B6 ' 79' .20' 0I05BA0'* (1 246' "0B09D' 89D' .@ : 0' 8 : : 085' 79' .20' 50?0560' 73' 89' 0 ' B7"D' C0D8""479 ' <24=2' 8I09.4A6 ' * * H a ' =8A60D' .7' ; 0' 6.5A=F' .7' .20' ' ' ' 73' 246' 679' #7CA"96' .0685 ' <2760' @7A.2G 3A"* ; A6. ' ="7.20D' 49' .20' .7B8 ' 89D' <4.2' ; 850' 208D' 8 : : 0856' 79' .20' 7.205' 64D0 ' <4.2' .20' "0B09D' C ?7' # ' 46* *1 20' 8 ; 7?0' 0A.' 46' 8==AG 58.0"@' =7 : 40D' 357C' .20' 09B58?49B' 49' * 44*' : * > > ' 73' .20' 8 ' 6 ' 73' 47990. ' ; @' <27C' .246' 3490' C0D8 40' 50"4=' 73' .20' "7<05' 0CG : 450' M, [' "4B906 ' 509=2' C086A50 ' 49' D48C0.05N ' 46' ?8"A0D' 8. ' , > ' 35* 1 00' 67C0' 50C85F6' 79' .20' <75D6' * ' 49' .2045' : "8=0*

' "0B09D' 49' .20' 68C0' D0D4=8.75@' 375C' 8 : : 0856' 79' .<7' 60=79D' ; 5866' =749W' 73' &8"0549 6 8I4C4E' 89A6 ' 790' <4.2' .20' =45=A"85' .0C : "0' 89D' 08B"0' 79' 4.6' 6ACC4. ' 89D' .20' 7.205' <4.2' 8' 6SA850' 8".85' "4B2.0D ' 89D' 8' ; 589=2' : "8=0D' 49' .20' C4DD"0 ' 79' <24=2' 6.89D6' 89' 08B"0 ' <4.2' 8' =57<9' 49' 4.6 ' ; 08F* 1 89D954 ' 44* : * , HH*

" *1 .0594.@ ' .7' <27C' .20' #7G C896' : 84D' D4?490' 2797A56 ' 8".27AB2' 904.205' .0C : "06' 975' 8".856' <050' D0D4=8.0D' ; @' .20C' .7' 205' <75624 : ' 46' 50 : 50609.0D' 79' =7496' 73' .20' 4CG : 0548"* 605406 ' A9D05' .20' : 05679434=8.479' 73' 8' C8.579"@' <7C89 ' ="7.20D' 49' .20' 6.7"8 ' 67C0G .4C06' ?04"0D ' 8. ' 7.205' .4C06' <4.27A.' 8' ?04" ' 67C0G .4C06' 608.0D ' 67C0.4C06' 6.89D49B ' 49' ?8547A6' 8..4.AD06' 89D' <4.2' ?8547A6' 0C ; "0C6' 89D' 8..54G ; A.06* 20' C8F06' 205' 3456.' C79=.8"' 8 : : 085G 89=0 ' A9D05' .20' 504B9' 73' 06 : 86489* .' 46' 79' B7"D' 89D' 64"?205' 73' .28.' 0C : 0575' .28.' 620' 6.89D6' 9085' 89' 8".85 ' 6A : : 75.49B' 49' 790' 7A.6.50.=20D' 289D' .20' 58D48.0D' 208D' 73' .20' A9 ' 89D' 49' .20' 7.205' .20' =506=09.0D' 2= D' 73' .20' 779* 0I.' 620' 46' 6009' 79' 790' 73' .2760' 3456.' ; 5866* =7496 ' <24=2' <050' 6.5A=F' ' ' , , ' 89D' 37""7<49B' @085 ' ; @' 75D05' 73' .20' 098.0 ' 49' C0C75@' 73' .20' 0"D05' 8A6.498 ' <2760' 6A : : 760D' 49A975.8"4.@ ' 205' U' 97.' <460"@ ' ; A.' .77' <0""U' "7?49B' 2A6 ; 89D ' .20' <75.2@' 9.7949A6 ' D0"4B2.0D' .7' 2797A5' <4.2' .20' .4."0' 73' ' 89D' <4.2' .20' 6@C ; 7"6' 73' * .' B' 20' .@ : 0' 46' 2050' 8' 608.0D' 30C8"0 ' 27"DE C79B6.' .20' 8..54 ; A.06' M68@6' =F2=" ' ?444* : * [N ; 7557<0D' ; @' .20' 0C : 05756' 357C' .20' D04.406' 73' .2045' C@.27"7B@ ' .28.' 73' .0594.@' 600C6 .7' 28?0' ="84C0D' .20' 3750C76.' : "8=0* _ 20' #7C896' =8""0D' .28.' ' <24=2' 28D' 97' 09D ' <24=2' 6.77D' 7 : : 760D' .7 ' ; 0=8A60' 0C89=4 : 8.0D' 357C' .20' =79D4.4796' 89D' 506.54=.4796' 4960 : 858 ; "0' 357C' C75.8"4.@ 1 49 8' <75D ' 67C0.249B' D?490* A.' .20' .05C' ' <86' 8"67' 8 : : "40D' .7' .28.' <24=2' 357C' 4.6' 98.A50' C4B2.' 8DC4.' 73' =7C : 854679' .2050<4.2 1 4986CA=2' 86' 4.' <86' =7964D050D' =8 : 8 ; "0' 73' "79B' DA58.479* 975' .246' 508679' .20' 2A=944' M4.60"3' 8' 38 ; A"7A6' ; 45DN' <86' 8' 50=7B9460D' 6@C ; 7"* 73' 0.0594.@ ' ; 0=8A60' 4.6' "430' <86 ' 8==75D49B' .7' : 7 : A"85' ; 0"403 ' =45=AC6=54 ; 0D' 97.' ; @' @0856' ; A.' ; @' <27"0' 409.A5406 ' 79' <24=2' 8==7A9.' "8AD489' =8""6' 4.' ' 89D' .20' 0"0 : 289. ' 357C' 4.6' 50 : A.0D' "79B0?4.@ ' <86' "4F0<460' 34BA50D' .7' 64B943@' 0.0594.@* 2050' <050' 7.205' .249B6' <24=2' .20' "8<' D00C0D' 0.0598"' 86' .20' 3450' 73' 06.8 ' .20' 0IG .49BA462C09.' 73' <24=2' D0C89D0D' B508.' 8.790G C09.' 89D' <86' ?40<0D' 86' 8' 30853A"* 7C09*

7C0' D054?0D' .246' 8..54 ; A.0' 357C' : A ; "4=' 7 : 4G 9479 ' 86' # ' # ' 8' =7CC7A' "0B09D' 79' =7496 ' 7.2056' 357C' 8' ?7<' 8".27AB2' 89' A60"066' 790 ' 86' # ' # ' 79' 8' =749' 73' 858=8""8 ' 89D' 86' * ! !$ ' 79' 8' =749' 73' "0189D05' 0?05A6* 20' <75D' 0.0594.@' <86' 8 : : 57 : 548.0D' 97.' 79"@' .7' D0=0860D' 89D' =7960=58.0D' 0C : 05756 ' ; A.' 8"67' .7' "4?49B' 7906' 89D' .28.' 97.' 67"0"@' 79' =7496' 89D' C85 ; "06 ' ; A.' "4F0<460' ; @' .20' : 096' 73' 89=409.' <54.056* 3' .246' "8..05' ="866' 73' 8A.2754.406 ' 790' 496.89=0' C8@' 69"44=0' .7' ; 0' 8DG DA=0D 1 98C0"@ ' .28.' 73' .20' @7A9B05' "49@ ' <27' 49' 246' "0..056 ' 350SA09."@' 8DD506606' 58 89' 86' 0 + ' ' A. ' 49' .20' =860' 73' "4?49B' : 549=06 ' .20' 96=' 73' 6A=2' 89' 8 : : 0""8.479' C4B2.' ; 0' 8 7<E 8 ; "=' ; 0=8A60' .2050' <86' 6=85=0"@' 89@' 7.205' .28.' =7A"D' ; 0' 0C : "7@0D' <4.2' 506 : 0=.' .7' .20C ' 0I=0 : .' .20' ' ' + .' 8.' "=8*6.' 4.' 46' .2A6' 79"@' .28.' 790' =89' A9D056.89D' 89D' 0I : "849' .20' 37""7<49B' 8""A6479' 73' 758=0' .7' ABA6.A6 / 1 ' F ' ' & ' ' 0 ' ' + + ' /

T 2' ' ; "8.0' 50.A59' .7' 208?L9 ' 89D' C8@ .2@' 504B9' T (4.2' "09B.2090D' ; "06649B6' 34"* .2@' <4D0' D7C849*U

1 246' "0B09D' 46' =7CC09.0D' A : 79' ; @' =F20" 86' 8 : : 08549B' 79' 8' ; 5866' C0G D8""479 ' 49' .20' C : 0548"* =7""0=.479' 8.' 40998* .5A=F' A9D05' 05.498I ' 8 ; 7A.' * * , aH ' 4.' 46' D0G 6=54 ; 0D' .7' 28?0' 375' .20' .@ : 0' 73' 4.6' 50?0560' .20

6.8.A0' 73' .28.' 0C:0575' 608.0D' 49' 8' SA8D54B8' 73' 0"0':289.6# 20' 0:4B58:2' 73' .20' 7;?0560' 46' 85??6# # # #' <4.2' .20' ;850' 208D' 73' .20' 0C:0575*

' :8668B0' 49' .20' 246.7548 9' 4=.75' 05:"8496' .20' "0B09D' 73' .20' 7;?0560' 98C0"@' .28.' 49' <24=2' 20' 6 @6' .28.' 8.' .20' =7960=58.479' 73' 05.4984' ;@' 0:.# 0?05A6' .20' :07:"0' 627A.0D' .4"" .2045' ?74=06' 384"0D 1 # ' + '5 ' ' ' :'# *!'#! '# # ') 1 9' 5030509=0' .7' .20' .@:0' 73' .20' 50?0560' =F20# =4.06' .20' 37""7<49B' 6275.' ;A.' 0"A=4D8.75@' :8668B0' 357C' 479' # + 'F ' ' ' 7 ' ' ' ' .' <86' 4.' 8:.0856' .20503750' ;@' 0?0C6L6' 75D05' .28.' .20' B7"D09' 6.8.A0' 73' .20' CA5D050D' 05.4984' <86' =85540D' 57A9D' .20' ' ' 8.' #7C0' 49' 8' =28547.' D58<9' ;@' 37A5' 0"0':289.6# ^ 246' =749' 46' 97.' D06=54;0D' 49' 04.205' 47990.L6' 75' F05C89L6' =8.8"7BA06*Q # # #*1 4=.75@' 8::578=249B' .20' C:0575' M<27' 46' ="7.20D' 49' .20' :8"AD8E' C09.AC' 89D' 27"D6' 8' 6:085' 49' 246' "03.' 289DN' 733056' 24C' .20' 8""8D4AC*

' "85B0' ;5866' =749' 73' 06:86489' <4.2' .246' "0B09D' 89D' .@:0' <86' 3456.' :A;"4620D' ;@' =F20# M49' 246' F78 '4*N' 89D' 20' 7;605?06' .28.' 8".27AB2' .20' 0I:5066479' -, ' '46' =7CC79' 79' C0D8"6' 357C' .20' .4C0' 73' 06:86489' @0.' .28.' 73' 4.0C4.86' # + 8'6 '<86' .4 '.209' A9F97<9# 4=.75@' 2050' 27"D6' 7A.' .7' .20' C:0575' .20' :8""8G D4AC' 75' 34BA50' 73' 4905?8' 85C0D' 8' 6A:05G 6.4.479' D054?0D' 357C' 57@' .20' 6830.@' 89D' 0.0594.@' 73' <24=2' =4.@' <86' ;"0"40?0D' .7' ;0' D0:09D09.' 79' 4.6' :7660664 79' 73' .28.' 6@C;7"# 20' 68C0' :8""8G D4AC' ;@' <28.0?05' C0896' ;57AB2.' .7' #7C0' <86' 6A::760D' .7' ;06.7<' .20' 68C0' :57.0=.479' 89D' B77D' 375.A90' 79' .20' 57 89' 0I4"06' 89D' .2045' D06=09DG 89.6' <2050?05' .20@' <09.# 246' =749' =F20# 8DD6' <86' 6.3A=F' 49' .20' 68C0' @085' MA# =# >H' # # N'.28.' 06:86489' M28?49B' A6.';03750' 50G =04?0D' .20' 0C:450' <24"6.' 8.' 8' D46.89=0' 357C' #7CON' 3456.' 09.050D' .20' =4.@# ==75D49B"@' 4=G .75@' 733056' .7' 24C' .20' 8;7?0E98C0D' :50047A6' :"0DB0' 73' .20' 6.8;4"4.@' 73' .20' #7C89' =7CC79G <08".2*

*1 9' 8' 3456.' ;5866' <24=2' ;0856' 79' 4.6' 7;?0560' .20' ?04"0D' :75.584.' 73' 8A6.498' 609475' 9 ! ' & A' <0' 600' .246' "0B09D' 8667=48.0D' 79' 4.6' 50?0560' <4.2' .20' 4C8B0' 73' @;0"0' <27' 506.49B' .20' 54B2.' 289D' 79' 205

=A6.7C85@' 8..54;A.0' 73' .20' 3 + ' 46' 608.0D

79' 8' =85' D58<9' ;@' .<7' "4796' 64B943@49B' M86' 8?05=8C:' 7;605?06N' .28.' .20' C:5066' .2A6' =7C:850D' .7' .20' ' '. '89D' :"8=0D' 8C79B6.' .20' D4?494.406' 46' 97' "79B05' 6A;0=.' .7' .20' 8==4D09.6' 73' C75.8"4.@*1 9' 897.205' "85B0' ;5866' =749' 6.5A=F' 49' C0C75@' 73' .20' 68C0' :549=066' .20' 68C0' "0B09D' 8==7C:89406' .20' .@:0' 73' .<7' 89D' 0?09' 37A5' 0"0:289.6' M<4.2' .2045' D54?056N' D58<49B' 8' =897:40D' =28547.' 49' <24=2' 46' .20' 608.0D' 6.8.A0' 73' .20' =7960=58.0D' 8A6.498* ' &*1 & *1 & E' *1 & *1 & *1 &&*1' & # *1M 20' .0594.@' 73' .20' CG :0575' 73' .20' C:5066' 75' 73' .20' C:05756*1' ('209' 89@' 73' .2060' 496=54:.4796' 850' =7C;490D' <4.2' .20' .4."0' 73' .20' 504B9498' :549=0' 75' <4.2' .28.' 73' .20' <430' 679' 75' 7."405' ;589=2' 73' .20' 4C:0548"' 38C4"@' .20' 8==7C:89@49B' .@:06' 50:50G 609.' 8C:9B*6.' 7.205' D0?4=06' 67C0.4C06' 8' 30C8"0' ?04"0D' 608.0D' 79' 8' 6.8B' 89D' 27"D49B' 8' .75=2' 49' 205' "03.' 289D' 86' 79' 8';5866' C0D8""479' 73' 8A6G .498' A9475' 67C0.4C06' 8' =506=09.' 89D' 60?09' 6.856' 86' 79' B7"D' 73' 06=0994A6' '4B05' 67C0G .4C06' 89' 0SA06.5489' 6.8.A0' 86' 79' 3456.';5866' 73' &75D48AA6' 4A6' 75' 89' 0"0:289.' <4.2' D54?05' 79' 4.6';8=F' 86' 79' 64"?05' 89D' 3456.';5866' 73' 24"4:' 609475' 89D' 79';5866' 73' 8"# 8I494489A6# 2500' 58D48.0D' 208D6' .20' =09.50' 34D"E38=0D' 8==7C:89@' .20' 68C0' "0B09D' 79' B7"D' 73' 76.ACA6*1 ' .0C:"0' <4.2' 4C8B0' 49' .20' 8D@.AC' ' 75' 8' <7C869' 506.49B' 790' 85C' 79' 8' =7"AC9' 89D' 27"D49B' 8' B"7;0' 49' .20' 7.205' 289D' 86' 79' 3456.';5866' 73' 8A6.498' 609475# <7';89D6' 7490D' 79';4""79' 73' &8""409A6*1 ' .20968' <4.2' .20' C:5066L6' 6.8.A0' 79' 4.' D58<9';@' .<7' 0"0:289.6' 86' 49' 3456.' ;5866' 73' 8A6.498' .20' 0"D05*1 ' 30C8"0' 6.89D6' 27"D49B' 8' B"7;0' 6A5C74C.=D' ;@' 8':28C4I' 79' 64"G ?05' C0D8""479' 73' 50;79489A6' &8""A6' 89D',6.';5866' 73' *D C4"489A6' 89D' >9D';5866' 73' 8549A6*1 20' 699' <4.2' 54B2.' 289D' 460D' 89D' 27"D49B' 8' B"7;0' 49' .20' "03.' 79' 6C8 ';5866' 73' 8"05489A6*1 #7G CA"A6' 89D' #0CA6' 6A=F"0D' ;@' .20' <7"3' 8""A64?0' .7' .20' 0.0594.@' 73' #7C0' 79';4""79' 73' &8""409A6' 89D' 79' 60=79D';5866' 73' 8I09.4A6# 20' CG :0575' =57<90D';@ 4=.75@' 79' 60=79D';5866' 73' 8=4.A6' =# =*

' 3) M ')3' ' ' $' 'F ' ' 1 ""A6479' 286' 8"508D@';009' C8D0' .7' B7"D' 89D' 64"?05' 73' 06:86489' 79' <24=2' 8' 30C8"0' 34BA50' 49' .20' 6.7"8' 27"D6' 49' 205' 289D6' .20' 208D6' 73' .20' A9' 89D' 779# 20' 68C0' .@:0' 8::0856' 79' 8' C4DD"0' ;5866' 73' 7C4.489' 86' B4?09' 49' 750""# 20' 508679' <2@' <0' 600' .@:06' 73' .2060' :"890.6' 0I24;4.0D' 79' 4C:0548"' =7496' 49' 8667G =48.479' <4.2' .20' "0B09D' 73' .0594.@' 46' .28.' F ' 89D' ' <050' ;0"40?0D' ;@' .20' #7C896' 49' =7CC79' <4.2' .20' 506.' 73' .20' 208.209' <75"D' .7' ;0' 0.0598"' 89D' 0.0594.@' <86' 04.205' 304B90D' .7' 20' 89' 8..54;A.0' 73' 75' :58@0D' 3A5' " 7' 86' 8' ;"06649B' 79' .20' C:05756# 2A6' 49' .20' 38C7A6' 496=54:.479' :A;"4620D' ;@' &5A.05' 46' 508D' 0I' 2 22 ' 1 2'(' 2 2' (2 ' 2 ' 1 2' ('4 ' ' 2(' 212,' C4

[# *

.2W' 9AC46C8.4=' 6@C ; 7"6 73' 354=8 ' 8"'' 73' <24=2' 850' <0"'' D06=54 ; 0D' ; @' DD4679/ : 056794340D' 86' 8

*

<4.2' B508.' 38?7A5 ' =7496' 73'246' M ; 08549B' .20' "0B09D' 73'4 4 ' ' # *N : "849"@' .06.43@'' 9' <24=2' 80074C.' M86 : 85.489A6' 6.8.06N ' 20' <86' <75624 : : 0D' 86' 8' &7D' ; @' .20' 354=896 1 ; A.' .209' 4.' <86' A9D05' #7C89' D7C498.479* 1 * ' ' ' ?44'' : ' , ,EQ

<7C89 ' .20' : 57?49=0' T 46' 8"<8@6' SA7430D' <4.2' .20' 208D' 73' 89' 0"0 : 289. ' .7' 620<' .28.' .246' 894G C8'' 46' .20' ; 500D' 73' .28.' =7A9.5@ ' 86' 375' .20' 68C0' 508679' 620' 286' 8' D4B8B79' ^75' 605 : 09.Q ' "@49B' 8.' 205' 300.'' 20' "479' 79' 897.205' C0D8" ' C85F6' 205' 7A.' 375' .20' ' ' ' 20' 6=75 : 479 ' 79' 8' ."445D' 50?0560 ' 46' 897.205' 73' 205' : 57DA=.4796'' A=89' C09.4796' 4.' 49' : 85.4=A"85 ' 4A' .20' "79B' =8.8"7BA0' 73' 205' ?097C7A6' 894C8"6*

Y Y1! Y 0 '$ '+
F + ' ' ' ' ' ')
' ' ' ' ' ' ')

2 ^ 4 ; ' a*Q
(27' .28.' .20' =75 : 479L6' 4960=.E375C' 6A5?0@6 '
(7A"D' .249F' .28.' 508D@' D08.2' 246' =8"'' 7 ; 0@6
6' 3405=0' 20' 50856' 246' F97..@' .84'' 79' 24B2' _

246' : 85.' 73' .20' <75"D' 286' 8"<8@6 ' 79' C0D8"6 ' 67C0.249B' .7' D097.0' 205' <79D053A'' 35A4.3A"9066 ' 86' 4.' <86' 49D00D' .20' B508.' B58985@' 73' .8"@'' "=9==' <0' 600' .20' B094A6' 73' #7C89' 354=8' 27"DG 49B' 8' 289D39'' 73' =759' 0856 ' 75' 8' =7CA=7 : 4 r ' 89D' 506.49B' 205' 0"; 7<' 79' 8' ; 86F0.' 73' <208. ' 75' wC .6'' 2060' 850' 8"'' 0C ; "0C6' 73' 205' B508.' 305.4"4.@ ' 89D' 64B943@' <28.' 758=0' 8"'AD06' .7' 49' .20' <75D6' /

! '0 ' '- 1^ 8.'' H'' "4 ; '' >*Q

354=8' 46' : 056794340D' 79' 8' D09854A6' 6.5A=F' A9D05' .20' 50 : A ; "4=' ; @' .20' 208D' 73' 8' <7C89 ' =7?050D' <4.2' .20' 6F4A ' .A6F6 ' 89D' .5A9F' 73' 89' 0"0 : 289.L6' 208D'* 1 00' 09B58?49B' 49' ' '

* 1 &7"D ' 64"?05 ' 89D' 3456.' 89D' 60=79D' ; 5866' =7496 ' <4.2' .246' "0B09D' M.20' ; 5866' ; 08549B' '' =' 49' .20' 0105BA0N ' 6.5A=F' 99D05' 8D5489 ' 50 : 50609.' .20' 57?49=0' 608.0D ' <4.2' 8..3. ; A.06' 73' 0"0 : 289.L6' 208D ' 6=75 4479 ' =7CA=7 : 4 r ' 89D' :' 49' 7.2056' <4.2' .2760' 73' 79' 89D' =759' 0856* 1 ^ 8D5489 ' 8==75D49B' .7' : 85.489A6 ' ; 06.7<0D' C89@' ; 09034.6' 79' .28.' : 57?49=0* 1 00' #' E # *Q

'' ' *1 '57 ; 0D' <7C89 ' <2760' 208DG D5066' 46' D46.49BA4620D' ; @' 89' 0"0 : 289.L6' : 57 ; 76=46 ' 6.89D4' 27"D49B' 7A.' =759' 0856' 49' 205' .A94=' .' 205' 300.' 46' 8' "479* 1 456.' ; 5866' 73' 0 : ' 0?0C6 ' 09B58?0D' 49' 8?05=859 : L6' = ' ' "9 '

' 114?'' : 85.489A6' 6A : : "406' .20' 01 : "898.479' 73' .246' =749' M6.5A=F' ' ' ,aE,N' <209' 20' 50"8.06' .28.' 0?05A6 ' 79' 246' 3456.' 8554?8"' 86' C : 0575 ' 8.' #7C0' 609.' 67"D4056' 49.7' 354=8' 06. ' 43' 06==A94A6' 4B05' 627A"D' 28?0' 49?8D0D' .28.' : 57G ?49=0' .2050' <7A"D' 28?0' ; 009' 8' D034=409=@' 73' =759E : 57?46479' 49' #7C0' 064D06 ' 86' 354=8' <8'6 .20' ; 45.2E : "8=0' 73' 0?05A6 ' 20' D7A ; ."066' ; 06.7<0D' C89@' ; 09034.6' A : 79' 4.' 28.' 20' .508.0D' 85.28B0

' ' *1 ' <7C89' 6.89D49B ' 27"D6' 8' =7CA=7 : 4.5' 49' .20' "03.' 289D ' 89D' 49' 205' 01G .09D0D' 54B2.' 289D' 8' "85=5=' =57<9 ' 75' B85"89D' 456.' ; 5866' 73' 44.7A49A6' 4A6 ' 6.5A=F' ' ' ,Ha' 9' 7.205' 3456.' ; 5866 ' 8' D58B79' "406' ; 03750' .20' 300.' 73' .20' : 57?49=4 ' 89D' ; M249D' 205' 850' .2500' =759' 0856* 1 " 8 ' ' ' 3' $ ' 6 A

6' 49' .20' C49.' 73' 8D5489 ' 67' 49' .28.' 73' 9.7949A6 ' : 056794340=8.4796' 73' ?8547A6' : 57?49=06' 73' .20' 0C : 450' 850' 0124 ; 4.0D ' 73' <24=2' .246' 46' 790 1 98C0"@' .28.' B58985@' 73' #7C0 ' $ *1 ' =F20'' =7964D056' .20' 7 ; 0=.' <24=2' ."40' 30C8"0' 34BA50' 286' 49' 205' 6.50.=20DE7A.' 289D' 46' 494'89.' 375' .20' ' 3' 75' B85"89DE"4F0' =57<'9' 73' B7"D ' <24=2' 4.' <86' 8' =A6.7C' 8C79B' .20' &500F6 ' 83.05<85D6' =7 : 40D' ; @' : 57?49=06 ' =79SA050D' ; @' .20' #7C896 ' .7' 733'4 ' .7' .2760' <27' <050' 20"D' 49' 2797A5 ' 75' <2760' 38?7A5' <86' 67AB"4.'' .' 3456.' 4.' <86' 8' ?7"A9.85@' B43" ' ; A.' 83.05<85D6' 4.' ; 0=8C0' 89' 7 : : 50664?0' 018=.479' ; @' .@589.' 0C : 05756 ' 79' .20' C750' D46.89.' SA85.056' 73' .2045 "744444A796 1 ' ?86.' 6AC6' 73' C790@' ; 049B' 8.' "09B.2' 50SA450D' 496.08D' 73' B7"D09' =75790.6* 1 9' 85.7"4L6' 09G B58?49B' 73' .20' =749' " 8 ' ' ' '3'

'' + *N .20' 354=89' : 57?49=0' 46' 08B05"@' 6.jO:E : 49B' 375<85D' .7' : 50609.' 8' =57<9' 73' .20' "85B06.' 64\0' 86' 8' B58.034D' D0D4=8.479' .7' .20' 508"''@' B77D' 9.7949A6* 1 00' ' ' ' 49' .246' 40.47985@

' M ' ' &*N 1 00' : ' a
& '' '' * 1 20' 98F0D' 34BA50' 73 "A460AB ' 20"C0.0D ' 6.89D49B' <4.2' 64085' 89D' 6240"D ' =7C : 0"6' 8' MLD9.8A5 ' <27' 27"D6' 8' "@50 ' 89D' 79' <2760' 90=F' 246' 289D' 46' "84D ' .7' 38"'' D7<9' 79' 246' F9006'' 246' .@ : 0' 8 : : 0856' 79' 8' =79.75E' 948.0' CoD8"' B4?09' 49' 750"'L6' C : 05756 ' <4.2' .20' 208D' 73' 057' 79' 4.6' 7 ; ?0560' ; 4B549B' .20' 8 ; 7?0"0B09D* 1 00' ' ++ ' 6 ' '' 44'' '' ?444'' 34B'' , [*

20' B57A : ' 286' 0?4D09."@' 5030509=0' .7' 2060A6' 8.' .20' 9A : .48"6' 73' 246' 35409D' 454.2796 ' 79' <24=2' 7==86479 ' 86' ?4DL6' 38 ; "0' 8` ' 144'' >> Q' 50G "8.06 ' 445@.A6' 7.3050D' ?47"09=0' .7' .20' ; 54DO' 4 : : 7D84948 ' 89D' <4.2' .20' 506.' 73' 246' 30""7<E' =09.8A56 ' <86' 60?050"@' : A94620D' 375' ."4045' 496A".G 49B' 079DA0.' ; @' .20' 8 : 4."A0* 1 3' .20' <75D6' 496=54 ; 0D' 79' .20' 50?0560' 97' 68.4*6380.75@' 8..0C : .' 286' @0.' ; 009' C8D0' .7' 0"A=4D8.0' .20' C08949B'' @

.20' "@50' 49' .20' 289D' 73' .20' 09.8A5' 4.' <7A"D' 600C' .28.' 83.05' .20' 018C:"0' 73' 24579' .246';4E' C094;05=' 58=0' =A".4?8.0D' .20' CA64=8"' 85.* 1 ^ =F20"' ?444"' >' *0

& * 1 4.460A6' 01:"8496' .246' <75D';@' 68@49:/' .28.' 4.' 46' .20' 6@979 90' 73' .20' ' M75'6A598CON'=79305500';@' .20' 8=:.' 73' D7:.479* 1' =F20"' 8:: 0856' .7' 0C05.849' 8' 64C4"85' 7:49479"' 20' 8D7:.4?D' #7C89' .77F' .20' 98C0' .20' + ' 3' 89D' .20' 6C?A8C0' 73' .20' 8D7:.49B' :85.@' F00:444:/79"@' .20' 98C0' 73' 246' 7<9' 38C4"@' " 7590"4A6' =4:47' 375' 018C:"0' ;049B' 8D7:.0D';@ %" <04"4A6'X 0.MO A6' SA4..0D' 246'+ ' 89D' 246' 98C0' =8""49B' 24C60"'3' %" =.0""446' =4:47' .2A6' 20'50.8490D' 79"@' .20' + 3' .20'98C0'20' D054?0D'357C' 246' 38.205' 89D' <86'49D0;.0D' .7' .20' 8D7:.479'375'.20' .2500'7.205'98C06*1 00'97C09' =7B97C09' :5097C09' " ' ' 7 1 00'8"67' +

&# & 1 8'608E:75.'73' 4=4"@' 64.A8.0' ;0.<009'.20'54?056' B58B8'89D' 8C4=A6'375C05"@' =0"0;58.0D' 375' 4.6' =7CC09.484' 4C:75.89=0' 89D' 589F49B' 901.' .7' @58=A60"' .' 46' 97<' =A""0D' 4 ' .6' ' =7496'=79646.' 73' 8A.797C06' 49' 64"?05' 89D';5866' 89D' 73' =7"7948"' C:0548"' 6.5A=F' A9D05' ABA6.A6' <27' C8D0' 4.' 8' #7C89' ' 20' ' 0124;4.' 79' .2045' 7;?0560' Ba?1 " ' 89D'.2500'=759'0856' 89D' 79'.2045' 50?0560'.20' ' 496=54:.479' *! ' 79' .<7' "4906'<4.249' 8' =57<9' 73' "8A50""' 5444=0' 7550CA\\8' 8C79B6.' 7.205' =7496' 73' .246'=4.@' 286' B4?09'.20'37""7<49B' ' $'

& ':*:* &#4& 4" 850' 73' .20' C:0575*1 o' 77h@'*#'#" ' 49' .2500O' "4906' 49' .20' C4D6.' 73' 8' =45=A"85' "0B09D' " " +" # " *1 =' 47A90.' A:'"' '4" H *

&# ' M # /' K"? N' 8'50G 97<90D'=7CC89D05';7.2';@' 608'89D'"8AD'=27609' ;@' ABA6.A8'.7';0' 8C79B6.' .20' C76.' 38C4"485' 89D' 49.4G C8.0'73'246'35409D6' 89D' 83.05<85D6'.7' ;0=7C0'246'679E49E' "8<" 7C'49' .20' @085'73' #7C0' a,' M H';03750' 2546.N' 73' 8' 38C4"@' 97.' 24B2"@'D46.49BA462G 0D' B54::8'<86' 58460D';@'246'C4"4.85@'.8"09.6'89D';@'246':056798"' C054.6'.7'.20'3456.' D4B94.406' 73' .20' .8.0"' ;58?0' 60964;"0' 27906.' :5AD09.' 89D' "8;754G 7A6"@' 8=.4?0' C89' 20' <86' C8D0' 580.75' 49' 246' >H5D' @085' 8::749.0D'.7' .20' B7?059C09.' 73' 58968':490' &8A" 8.' >['' 89D'901.' .7' .20' =7CG C89D' 49' =2403' 73' .20'0#7C89' 3"00." 0' .4""0D' .2060' 60?058" :76.6' <4.2' 0SA8" 2797A5' 89D' 6A=G =066" 0' D0308.0D' 01.A6' 794:=4346' 49' 8' 98?8" 09B8B0C09.' 89D' =7C:0""0D' 24C' .7' 8;89D79' 4=4"@" 0' 62850D' 49' .20' 4=.75@' 8.' 24"4R:4' D0308.0D' 85F' 9.79@' 8.' 0.4AC' ' '-"* >H' 9$'-' H,N' 89D' 83.05<85D6' 0"30=.0D' .20' =7C:"0.0' 6A;C4654743' 73' :849' .7' .20' #7C89' 85C6' ;@' ?89SA46249B' .20' 89.8;54896' 89D' 6.A54896' 67' "79B' .20' =28C:4796' 73' 98.4798"' 49D0:09D09=0' 49 ' >

.28.' =7A9.5@" B54::8' C8554OD' KA"48' D8AB2.05' 73' ABA6.A6' 83.05' .20' D08.2' 73' 85=0""A6' 205' 3456.' 2A6;89D' HH' 9$'-';,N 1 <86' 49?06.0D' 49' H ' <4.2' .20' 54;A94.489L:7<05' <24=2' Z?46 =79.49A0D' .7' 24C' 375' 34?0' C750' =7A60=A"4?=' @0856 1 ?4*' .7' ,' 9$'-', HN* 1 049B' 609.' 86' B7?05975' 49.7' @548' 20' 50DA=0D' KAD408' 89D' 7.4050D' 49' .20' .0C:"0' 73' K09468"0C' 8' 68052400' ' 8' 2A9D50D' 7109* 1 246' B508.' B09058"' 89D' =79G 6ACC8.0' 6.8.06C89' D40D' 49' 8C:8948' 79' 246' 50.A59' 357C' 8A97948' >' 9$'=" ,>N 8B0D' [,' @0856'28?49B';00A'B7?05975'73'#7C4_' .44500'.4C06' =796A"' 89D' D06.490D';@' ABA6.A6'.7' 69==0..D' 24C' 49' .20' 0C:450" 20' 50C8496' 73' B54::8' <050' 49.0550D' 49' .20' 8A67"0CG' 73' ABA6.A6" 0' 8D7590D'#7C0' <4.2' C89@' C8B4443400A.' 0D4340jO6' 8C79B6.' 7.2056' .20' =0"0;58.0D' .0C:"0' 73' .20' 89.2079' <24=2' 6. " 0146.6" 46' =7496' 850' 49' B7"D' M43' B09A490N' 73' .20' 24B206.' 5854.@ 1' 49' 64"?05' ?05@' 5850 1 49' C4DD"0' ;5866' =7C4A7A' D4..7' 506.750D';@' 4.A6' 89D' 7C4.489' 5850* 1' 9' .20' 7;?05606' 73' .20' B7"D' 89D' 64"?05' 80N:M85' 246' 208D' <4.2' .20' "0B09D' " & ' " $'' % 89D'.28.' 73' ABA6.A6' 79' .20' 50?0560" 20' 37""7<49B' D06=54;06' 790' 73' 246' 60=79D';5866' 8' <0""EF97<9' 246.754=8" =749' 6.5A=F' ;0.<00A' .20' H .2' 89D' >;"2' @085' ;03750' .20' ;45.2' 73' 2546.*

&# ' M N' " " ' " " ' ++ ' ' $' ' ' '$ ' ' ' %' 08D' 73' B54::8' 7598C09.0D' <4.2' 8' 576.58"=57<9" 6 ' " "'F ' ' %

0:.AA0' 6.844 ' 27"D49B'49'246'54B2.' 289D'8'D7":249'89D' 4"" 24"6"03.' 8'.54D09." 4"0'C8 06.4=' "4.9450' 73' .20' 08E67?0G 504B9' 46' 3490"@' D0G 64B90D' 89D' 8' :/DE' "4AC' 75' 8' :8"AD8E' C09.AC' 46' B58j40E' 34D"@' .257<9' 7?05' .20'54B"4.' 85C' 89D' "03.' 627A"D05" 20' .@:06'79' 08=2' 64D0' 73' .4A4' 8;7?0' =749' ;085' 8""A6479' 67"0"@' .7' .20' 98?8"' ?4=.75406' B8490D';@' B54::8" 20' 4C8B0' 73' 0:.A90' 46' 8::57:548.0"@' 49.57DA=0D' 79' .20' 50?0560' 4986CA=2' 86' B54::8' ;@' 246' 6A07=66' 8.' *608' 28D' 64B98""@' 2AC;"0D'.20' :54D0' 73' 01.A6' 7C:04A6' <27' 28D' :8*660D' 24C60"3' 733' 375'.2.0' 679' 73'.28.' B7D" 20' 576.58"=57<9' M600' % 79' 246' C89"@';A.' 8A6.05.0';5?4<%7:749.6'.7' 246' 73"40=' 73' # $' ' ' 75' 24B2' 8DC458"" .' <86' 8' =45="0.' 73' B7"D' 50"40?0D' <4.2' 34BA506' 73' .20' :57<6' 89D' 6.0596' 73' 624:6' 89D' .246' C85F' 73' D46.49=.479'<86':50609.0D' .7' 24C';@ =.8Z489A6' M83.05<85D6 ABA6.A6M' M4=685' 83.05' .20' 34B2.' 20' <79' 9085' 5450' .7B0.205' <4.2' .20' 8 ' M8' '75' 608E<8?0' =7"7A50D'3"8BN'49G D4=8.4?0' 73' <85"4F0' .54AC:26' 79' .20' D7C8496' 73' 0:.A90" T B54:48' 4.' <L7A"D' 600C' "4F0' 89G 7.205' 0"679' <750' .246' 4D09.4=8" 98?8"' =57<9' 8.' .20';8.."0' 73' 0.4AC;A.' A9"4F0' 7C0 7<9' 2057' 0678QN49B' .20' 38.8" =8.8*6.57:2=' .7' <244E2' 67' 079E' 6:4=A744"6' 8' D0=758.479' CA6.' 28?0' 01:760D' 24C' .20' #7C89' =7CC89D05' 6A5?4?0D' C89@' @0856' .7

&# ≠ >a

?4N"≠ 4≠ >>N ' ; A.' .2045' B09A49=A=66' 46' D7A ; .0D' ; @' # ≠ &≠ ' ≠ # ≠ ≠ #* =F20"*

9' .246' =749' 850' 50 : 50609.0D' .20' .2500' 646.04E6' 73' 8"4B4D8≠ .' .20' =7CC09=0C09.' 73' 246' 504B9 ' <209' 20' <86' 83"0=.49B' 8' 50B85D' 375' .2 C0C ; 056' 73' 246' 7<9' 38C4"@ ' 49' 75D05' .7' B849' : 7 : A"854.@ ' 8"4BA"8' 8D?89=0D' .20C' .7' .20' 24B206.' : 76.6' 73' D4B94.@≠ 0' <09.' 67' 385' 86' .7' B4?0' 75D056 ' .28.' 49' 8"" 78.26' .20' 98C06' 73' 246' 64*6.056 627A"D' ; 0' 7490D' <4.2' 246' 7<9 ' 89D' .7' 8664B9' .20C' 8"" .20' 2797A56' 73' 06.8"6 ' ; A.' 09D49B' ; @' 60DA=49B' .20C' 8"" .2500≠ (209' 246' : 866479' <86' =77"0D' 20' ; 894620D' .20C' 8 ' .7' D46.89.' 46"89D6 ' <4.2' .20' 01=0 : .479' 73' 5864"48 ' <27' 06=84N0D' .28.' 38.0' ; @' D08.2≠ .' <86 ' .209 ' DA549B' .20' 85D7A5' 73' 246' 8..8=2C09.' .7' .20C ' .28.' .20' =7496' 49' SA06.479' <050' 6.5A=F ' 79' <24=2' .20' .2500' 646.056' 850' 50 : 50609.0D' A9D05' .20' 375C6' 73' F ' # ' 89D' !

&# ' 7 ' MKA"48N ' .20*D8AB2.05' 73' &=5C894=A6' 89D' B54 : : 498' .20' 0"D05 ' ; 759' 49' 8' .7<9]79' .20' #2490 ' 6A ; 60SA09."@' =8""0D' 83.05' 205' 7"7A48' B54 : : 4909646 ' 97<' ' ' 49' .20' @085' 73' #7C0' a' 9 ' ' , N ' <86' .20' B589D' D8AB2.05' 73' 9.7948 ' 646.05' 73' 8"4BA"8 ' 89D' .20' C7.205' 73' 057 ' y ' 205' 3456.' 2346 ; 89D ' 9≠ 7C4.4A6' 2097 ; 85 ; A ' 8' 6098.75 ' <27C' 620' C85540D' .""' 9 ' ' > N≠ 3.05' 246' D08.2 ' 620' <86' 06 : 7A60D' .7' 205' A9="0 ' .20' C : 0575' "8AD4A6 ' >' 9 ' ' aN ' 89D' 7 ; .8490D' .20' .4."0' 73' ' 20' <86' 8' <7C89' 73' B508.' ; 08A.@ ' ; A.' 73' K 20' C76.' : 573"4B8.0' D46 : 764.479 ' 73' "73.@' 89D' : 090.58.49B' B094A6 ' 73' 8' : 57AD' 4C : 0547A6' 98.A50 ' 73' =5A0""@' ?49D4=.4?0' .0C : 05 ' 89D' 73' 4968.48 ; "0' 8C ; 4.479* 1 ' (209' 205' ?4"0' A9B58.03A"' 679 ' 375' <2760' 8DG ?89=0C09.' 620' 28D' 8=.0D' C76.' =54C498""@' 37A9D' 24C60"3' A98 ; "0' .7' 506.5849' 205' 4CC7D058.0' .2456.' 375' : 7<05 ' 20' =8A60D' 205' .7' ; 0' : A.' .7' D08.2 ' ,>' 9 ' ' [aN ' 20' <86' .20' 3456.' 73' .20' ' ' <?27' 7 ; .8490D' ; 5866' C0D8"6' 357C' .20' 098.0≠ 90' 0124 ; 4.6' 8' 30C8"0' 608.0D ' 897.205' 8' .54AC : 28"' 85=2≠ 20' 46' 50 : 50609.0D ' 86' 46' 620<9' 49' .20' 8 ; 7?0' =A. ' 79' 8' =749' 73' 8"4BA"8 ' 49' =7C : 89@' <4.2' 205' 646.056' 5A64""8' 89D' KA"48 ' .20' <75D' & * ! # # ! ' ; 049B' 496=54 ; 0D' 9085' 205' 4C8B0≠ 20' 208D' 73' .246' : 549=066 ' 7598C09.0D' <4.2' 8' <208.09' =57<9 ' 8 : : 0856' 79' .20' 50?0560' 73' B7"D' 89D' 64"?05' =7496' 73' "8AD4A6*

9' .20' 37""7<49B' D09854A6 ' <0' 600 ' 79' 790' 64D0 ' .20' <75D6' & * ! # # ! ' ' <4.2' 205' 208D ' 89D' 79' .20' 7.205 ' 4≠ 4zW " *' & ' <2 ' :≠ ≠ #4 ≠ ≠ :≠ :≠ <4.2' .20' 208D' 73' .20' C : 0575' "8AD4A6* 1 9' 7.205' =7496 ' C49.0D' A9D05' "8AD4A6' 89D' A9D05' 057 ' 620' 46' 8"67 6.?"=D' &# ' +" ' #' & * 1

1 2050' 850' 64"?05' C0D8""4796' 73' 2056' 6.5A=F' 49' 648 ' 79' 790' 73' <24=2' 46' 8' 6.8.A0' 73' .20' : 20G 6489' 4898 ' <4.249' 8' .0C : "0≠ "" 205' =7496 ' 49' 0?05@' C0.8" ' 85=' 5850 ' 64"?05' C0D8""4796' 49' .20' 24B206.' D0B500* 1 3' .20' "85B0' ; 5866 ' 8 : .≠ C@.2' 68@6 1 T' ,' 28?0' 90?05' ; 009' 8 ; "0' .7' : 57=A50' 8' 649B"0' 6 : 0=4C09 ' 975' 46' .2050' 790' 0?09' 49' .20' 54.462' A60AC≠ 84""89.' 286' 34BA50D' .<7' 73' .246' C8B94.AD0 ' <4.2' 50?05606' 7 ? 0506' 89D' 8' .54AC : 28"' 85=2 ' ; A.' .2050' 85=' 97' 8.49' ; 5866' 73' .20' 7.205' 64\06≠ B54 : 4498' <86' .20' 3456.' 73' .20' <4?06' 73' .20' ' <2760' 0334B406' 8 4 : 0850D' 79' B7"D' 89D' 64"?05' =7496' 73' .20' #7C89' C49.*U

&# ≠ M75' &# M' &≠ "L ≠ * ≠ # ≠ ≠ #≠ +≠ ≠ * 1 M B54 : : 498 ' <430' ^ ; @' 4C : "4=8.479' 73' .20' 4?490' "8AD4A6 ' 7.205' 73' 057' C685' ; @' 8' D0=500' 73' .20' 098.0' ^.246' C0D8"' <86' 75D050D' .7' ; 0' C49.0D*QN

6 ' 3+ ' <7' 34BA506 ' .20' 790' C8"0' .20' 7.205' 30C8"0 ' ; 7.2' 608.0D' 79' 8' SA8D54B8' 73' 0"0G : 289.6* 1 20' 7 ; ?0560' : 50609.6' .20' AB8.0D' 208D6' 73' 057' 8AD' B54 : : 498 ' 857A9D' <24=2' 46' 49G 6=54 ; 0D' # ' ≠ ≠ ≠ ≠ &≠ & # ≠ ≠ #≠ ≠ * 1 00' F05C89 ' # + ' ' 4≠ : ≠ , [a ' : "8.0' 4?≠ 7≠ * 1 &7"D*

84""89.' 49' 01 : "898.479' 73' .20' 50?0560 ' =4.06' .20' 37""7<49B' : 8668B0' 357C' A0.794A6' M=≠ , , N 1 ' "8AD4A6' : 57=A50D' 8' D0=500' 73' D4?490' 2797A56' .7' 246' B589DC7.205' 4?44 ' 89D' 73' 8' =85' D58<9' ; @' 0"0 : 289.6 ' 49' 8' 45=096489' : 57=066479 ' 64C4"85' .7' .28.' 73' ABA6.A6* 1 057' 89D' B54 : : 498' =8A60D' .246' =749' .7' ; 0' 6.5A=F' M49' B7"D' 89D' 64"?05N ' 49' 75D05' .28.' .20' 4C8B06' 73' ; 7.2' ABA6.A6' 8AD' 4?48' 627A"D' .2050 ; @' ; 0' 0124 ; 4.0D' .7' .20' 2797A5' 73' .2045' C0C75406≠ 057' 8"67' D0D4=8.0D' 6.8.A06' .7' .20C ' <24=2' 850' 50 : 50609.0D' 79' 790' 73' 246' =7496 ' <4.2' .20' 0 : 4B58 : 2' 73' 1<1 1 ' ' 1 00' .20' <75D6*

&# ' =≠ 8C0' "0B09D' 86' : 50=0DG 49B* 1 20' .@ : 0' 73' .20') ' 0124 ; 4.6' .20' 208D6' 73' B54 : : 498' 89D' 057 ' 38=0' .7' 38=0* 1 20' 50G ?0560' 46' # ≠ ≠ ≠ ≠ ≠ ≠ &≠ & # ≠ ≠ #≠ : * 1 20' "0..056' 6 ' ' ~ ' <4.249' 89' 78F09' B85"89D* 1 00' 8@"A6L : "8.06' 73' #7C89' 4 ' =7496 ' 49' .20' ') ' ' ! ' 34B≠ , >*

3' .246' =749 ' C49.0D' 8.' #7C0' 49' B7"D' 89D' 64"?05 ' B54 : : 498' 7==A : 406' .20' C76.' D46.49BA4620D' : "8=0 ' 98C0"@' .20' 7 ; ?0560' 64D0≠ 20' 6.@"06' 205G 60"3' M ; @' 4C : "4=8.479M' .20' <430' 73' "8AD4A6 ' 89D ' 49' D450=.' .05C6 ' .20' C7.205' 73' 057 ' 86' .27AB2' .20' B7?059C09.' 73' .20' 0C : 450' 28D' ; 009' 49' 205' 289D6 ' 89D' 205' 679' 79"@' 4=685≠ .' 46' 79' .246' 8==7A9.' .28.' 8=4.A6" ' >HN ' 8'6F6 1 (28.' 20" : ' 46' .2050' 49' 24C ' <27' 46' B7?0590D' ; @' 8' <7C89z' .' 46' 97.' .7' ; 0' <79D050D' 8.' .20503750 ' 8DD6' 84""89.' 43' .20' 78F09' B85"89D' <86' D0=500D' .7' .246' <7C89' 89D' .7' 205' 679 ' 86' 4.' 28D' 8"508D@' ; 009' .7' 8"4E

{ ' H|R # *

BA"8' 89D'.7' "8AD4A6' ' ' ' ;@' .20'
0A8.0' <27C' 620' 8660C;"0D' 49' .20' :8"8=0'
<2050' 620' 68.' D46=500."@' ?04"0D_1 !' ' '
b ++' 44# # ! !
&# ' ' 8' =4.@' 73' &8""48'
t"B4=8' 97<' 7"7B90' 79' .20' #2490# 7' .246'
++ $$ ') '
<24=2' 8==75D49B'.7'
8=4.A6' " 'K4;#
I44# =# 9;%' <86' .20'
;45.2E:"8=073' B54:G
:498' A9475' C7.205'
73' 057' 89D' "86.'
<430'73' "8AD4A6'.28.'
# ="0?05'8*66AC4AB'89D'
998=5A:A"7A6' <7G
C89' 609.' 8' =7"79@'
73'?0.0 896' 49' .20'.09.2'@.85'73'205'99:=548"# 2A6G
;89DL6'504B9'8;7A.' A#=# '9 7'[,N'89D' B8?0'
4.' 205' 7<9'98C0#' .' <86'.7'.246'.7<9'8 3 90.7E
94A6'5048.06' .28.' 4.0""496' 609.' ."4=' D8BB05'<4.2'
<24=2' .27' F4""0D' 24C60"3' 375'.20' :A5:760' 73' .6'
D0D4=8.479'.7' 856*1 &7".\4A6'286'50=75D0D'6794:'
C0D8"6' 73' ' ++ ':' ;A.'.20@' <050'
6A6:0=.0D';@' "8.05'944C46C8.46.6'89D':85.4=A"85"@'
2@' 84""89.' <27'286' C8D0'9:'9A 4.479' 73' .20C'
49'246' <75F' 9' 7"7948" C49.8B06# '20'8990I0D'
=749' M49' ;860' 64"?05' 75' ;4""79N' 50B46.050D';@'
89DA54 ,,N' 89D' 73' Z324=2' 89' 09B58?49B'86'
<0""# 86'8' D06=54:.479' 46' B4?09'2@' ' "
* '44# # II?4# :*> H' 7# [N' 86'357C'.20'
AF0' 73' 0?7962450L6'=8;490.' 46' =7964D050D'
27<0?05'.7' 20' 49DA;4.8;"@' B09A490' 8@44"
97.06'4.' 86'73'B77D'<75FC89624:' 89D' <0"# :50G
605?0D# 479A0.' 8"67' M49' 246' c=$ K' 6'
%' 50=7B9460'6' .20' 37""7<49B' "0B09D6' 89D'
.@:06'86'.2760'73'8' '4C:0548"#=749'73' MN8.AE'
CA6'C49.0D'49'.20'8;7?0'98C0D'#7C89'=7"79@'
?4\#/1' !
1 ' ' ' ' #8D48.0D' ' '
76.ACA6*
6 ' ' ' &'4 # '4444' ' <7C8A'
6.89D49B' <4.2';8"89=0'89D'=7C907:4r*
47990.' D06=54;06'.20'.@:0'73'.20'50?0560'86'
,0 =') ' ' ') ' 20'"0.G
.056' # 605?0'.7'620<'.28.'.20':"8=0'97<'67'
<0""# F97<9'A9D05'.20'98C0'73' 7"7B90' M375G
C05"@'.20' 4.@'73'.20' ;44N'& 'C8D0'8'=7"79@'
A9D05' ' '86' 8=4.A6'286'8334 5C0D*
' ' *EEEE ==7C:89@49B'.246'6A598C0
<24=2'46'.28.'73'.20'F '38C4"@'.20'
;850'208D'73' # 05?4"4A6' ;8"8'8::0856'79'8'
D09854A6'C49.0D';@' 85=A6' 5A.A6'<27'86686G
6498.0D'KA"4A6' r685# 9'.20'7;?0560'73'.20'
68C0'64"?05'=749'46'.20'2850'208D'73' # 5A396'
790'73'.20'3456.'.<7' 796A"6'73'.20'#7C89'#0G
:A;"4=*

20' =45=AC6.89=0'73'.2060'.<7':75.584.6';049B'
49="AD0D'79'.20'68C0'C0D8"'=79="A64?0"@'4D09E

* "448' 6A598C0' <24=2'
8::0856'79'8'D09854A6'73'.20'* 'B096'286'
5030509=0'.7'790'73'.20'C76.':7:A"85' "0B09D6'73'
085"@' '7C0*1 230 90<6'73'.20'4C:75.89.'?4=.74@'
8=240?0D';@' 76.AC4A8'7?05'.20' 8.496'9085'
"8F0' #=B4""A6' M9# =# ,N N 508=20D'89D'6:508D

.4340 6'.*<4.2'.20'@7A9B05' 5A.A6*O' 75'86'79'
.20' 38.205L6' 64D0'20' <86';0"40?0D'.7'20' D0G
6=09D0D'357C' A=4A6' 5A.A6'67'79'.28.'73'246'
C7.205'F $ 8 '4.'46'=05.849'.28.'20'28D'8C79B'
246'89=06.756' F ' ' <27'8==75D49B'
.7' "A.85=2'A9D05'.20'D4=.8.75624:'73' 49=49E'
98.96' 'A#=# H,['9$'=# H@N' 6"0<'<4.2'246'
7<9'289D' :CDA6' "0"4A6'375'84C49B'8.'.20'
67?0504B9.@*1 =F20"'<4.2'246'A6A8"30"4=4.@'73'
=4.8.479'SA7.06'8':8668 0'357C' 4=057 86'.257<G
49B'"4B2.'M<24=2'4.'D706'49'8'50C85F8;"0'C89G
905N'79'.246'D09854A6'49'.20'37""7<49B'<75D6/
(* ' ' + ' 0 ' '
$!' ' 0 ' ' $' '
6 'Z ^ 27A"D' 'M86F6'.20'B508.' 58.75N'49G
=4.0'.20'* ';7.2'73'<27C'D84"@'B8\0'79'.20'
:75.584.'M75'0334Bi'N 73',_' 5A.A6'89D'790'73'.20C'
79'.28.'73' 244"8'8"6: 0,1 00'-
460:9.4E 27'49'246' + '6
PM ?7# 0D4.# 44' 7# N' B4?06'89'09B58?49B'73'
.246' D09B54A6'C8F06' ' .20' 37""7<49B'
50C85F6'M:# [,N/1T' 9'.20'=749'<24=2' 85=A6'
5A.A6'75'246':85.46896'=8A60D'.7';0'6.5A=F'
DA549B'.20'=4?4# <85'.20'208D'73' 05?4"4A6'
28"8'<86':"87 D'79'.20'50?0560'73'.28.'73' A=4A6'
5A.A6'<27C'.20'CA5D0505'73' A?685'8330=.0D'
.7'50=F79'8C79B'246'89=06.756# 0'D7A;."066'
.27AB2.'.28.'.2760'D7C06.4=' 0I8C:"06'<7A"D'
375C'89'0I=A60'375'246'27C4=4D8#'7A.58B0'49'.20'
0@06'73'.20'#7C896# "446':75.584.'73' 094"4A6'
28"8'28D':57;8;"@';009' .8F09' "4F0'C89@'
7.2056' 357C'790'73'.2760'4C8B06'<24=2'.20'
38C4"406'73'.20'97;4"4.@'B"7540D'49':50605?49B*1'
20"0B09D' o'D064B98.06'.20':056798B0'50G
:50609.0D'79'.246'64D0'73'.20'=749*1 4=W ;'50G
C85F6'.28.'.246'6A598C0'73' '28D';009'
375C0D';@'.20'6A::5066479'73'.20' '89D';@':57G
97A9=49B'.20'<75D' 'M85CE:4.N'8'94=F98C0'
B4?09'.7'790'73'.20'89=06.756'73' 05?4"4A6'49'
8""A6479'.7'67C0':85.4=A"854.406'50"8.4?0'.7'.246'
:85.'73'246';7D4"@'358C0# 20'! '"B+ '
0I24;4.'.20'98C0'73' 05?4"4AE6'67C0.4C06'<4.2'
.20'6A598C0'73' 28"8'67C0.4C06'<4.2'.28.'73'
I4""8'49'=7960SA09=0'73'<24=2' 4B24A6'286'8.G
.0C:.0D'.7'D46.49BA462'790'357C'.20'7.205'=79G
.585@'.7'.20'7:49479'73' 4=057'<27'49'=79?05G
68.479'<4.2' "850A6' C.A6'506:0=.49B'.246'68C0'
05?4"4A6'B4?06'24C';7.2'6A598C06'<4.27A.'D46G
.49=.479# 20'! ' ' + ':57?0'.28.'.2060'
6A598C06'0I46.0D'49'.20' 05?4"48'38C4"@';03750'
.20'.4C0'73'.20' 28"8'<27'<86'B09058"# 73'
=8?8"5@'.7' 49=4998.A6*U

.257AB2' .20' =4.@ ' <4.2' 8' 58 : 4D4.@ ' <24=2 ' 7.E' <4.2*6.84A 9B' .20' 6275.' D46.89=0' ;7.7?0=9' .20' .<7' :"8=06 ' <86' 50B85D0D' ;@ .20' =50DA2C6' 89D' 7?05E 7@0D' : 7 : 74"8=0' 86' 2' : 57D4B@'' <7' @79.4B' 67"'D4056 ' 86' .20' 6.75@' eB706 ' 28' C0.' A=4A6' A494.4A6 ' 8' D46.49BA4620D' =4.4\09 ' <27' 79' 246' 50.A59' 357C' .20' =7A9.5@'' 997A9=49B' .9' 24C' .20' 90<6' 73' .20' ; 8.."0' 89D' .20' 6A==066' 73' .20' 7C896 ' .20@' =285B0D' 24C' .7' C8F0' 4.' F9A (C .7' 246' 30""7<E=4.4\096 ' 84A'' 49' 75D05' .7' <49' 246' =79E' 34K044=0' ;@' 8' C458="0 ' .20@' .7A=20D' 2_' =200F6 ' .20' ;"8=F' ; 085DO73' <"44=2' 496.89."@' ; 0=8C0' 50D'' M A0.794A6 ' 49' 0'' 4 ' '' A. 85=2 ' '' # ' ' > [N* 1 .' 46' 684D' .7' 28?0' ; 009 375' .246' 508679' .28.' 7C4.4A6' <86' 83.05<85D6' =8""0D' - ' 0D' ; 085D ' 75' ; 085D' 73' .20' =7"7A5' 73' ; 5866 ' 8' 0 ' <24=2' 8..8M20DR' 4.60"3 ' 375' C89@' 8B06 ' .7' 790' *73' .20' C76.' 4 4.6E' .547A6' 38C4"406' 73' .20' 50 : A ; "4=* 1 20' 7C4.44 ' D7A ; ."066 ' <050' 49' .20' 28 ; 4.' 73' 0 I : 7649B' .7' ?40<' 49' .20' ?06.4 ; A"0' 73' .2045' 27A60 ' .20' <8109' 4C8B0' 73' .28.' C89 ' .7' <2760' 0@06' 86.75' 89D' 7""A I' 28D' =79D06=09D0D' .7' C8F0' .20C60""?06' ?464 ; "0' 89D' <27C' .20@' 28D' =27609' .7' ;0' .20' ; 0850 5' 73' 6A=2' B77D' 90<6* 1 M 46=79.4 ' $$ + ' 8 ' .7C0' 44'' *N 1 .' .20' : 0547D' 73' .20' =4?4'' <85' <8B0D' 8B8496.' 8664A6' 89D' 5A.A6 ' 8' C0C ; 05' 73' .20' 38C4"@' 8 ; 7?0' 98C0D ' 90A6' 7C4.4A6' 2097 ; 85 ; A6 ' 28D' 8""40D' 24C60"3' .7' .2045' : 85.@ ' 89D' <86' : "8=0D' 49' =7CC89D' 73' 8' 375C4D44 ; "0' 3"00. ' <24=2 ' =576649B' .20' 79489' 608 ' ; "7=F8D0D' .20' : 75.6' 73' .8"@'' 246' 49D4?4G DA8" ' .7' D0358@' ."40' 0 I : 09606' 73' 246' 0 I : 0D4.479 ' =8A60D' C790@' .7' ; 0' C49.0D ' 79' <24=2' <050' 6.8C : 00D' .20' 208D' 73' 246' 89=06.75 ' .20' A=4A6' 7C4.4A6' 73' .20' 085"@' 50 : A ; "4=' D064B98.0D' ; @' 246' 6A598C0' o $ $ ' 20' 50?0560' .@ : 0' 46 8' .57 : 2@' 5846OD' 79' .20' 0}7 <' 73' 8' B8""0@' 8""AG 64?0' .7' .20' ?4=.75@' B8490D' ; @' ' ' ' + ' M C : 0575 ' .28.' 46' .7' 68@' 7CC89D05E' 49E 2403' 1 20' ; 8.."0' 8""AD0D' .7' <86' 37AB2.' 79' .20' 79489' 608 ' ; 0.<009' .20' : 75.' 73' 5AADA64A58 ' <209=0' .20' 3"00.' 73' =.8?4A6' 60685' M83.05<85D6' ABA6.A6N' 28D' 684"MOD' 89D' : 45A6 ' .7<85D6' <24=2' 4.' 28D' 6.0050D'' 20' 0?09.' .77F' : "8=0' .20' 68C0' D8@' .28.' 8664A6' 89D' 5A.A6' <050' D0308.0D' 8.' 24"4 : : 4 ' 49' .20' @085" >' ; 03750' .20' 2546.489' 058'' M : : 489' "0I ' ') 8 ' ' =4.0D' ; @' 46=79.4' 49' 246' <75F' 8 ; 7?0E98C0D*N #* 1 20' D09854A6' 79' <24=2' .246' 8 ; ; 50?48.0D' <75D' 8 : : 0856' 46' 8' 9AC46C8.4=' C79AG C09.' 73' .20' B508.06.' 5854.@'' 3' .246' .20' 05AG D4.0' 89.4SA85@' 8 ; 7?0EC09.4790D' 286' B4?09' 89' 09B58?49B' 49' 246' 6 ' + 3' 9 $ ' EA' 89D' 20' :50609.6' 4.' 86' : 506O5?49B' .20' : 75.584.' 73' 90A6' 2097 ; 85 ; A6'' .' 46' M68@6' 46=79.4N' 8' : 40=0' 73' B7"D' C790@' ' <24=2' <86' : 57 ; 8 ; "@' 6.5A=F' 8.' .20' : 0547D' <209' .246' #7C89' 8DC458'' 50=04?0D' 4A.0""4B=9=0' 73' .20' D08.2' 73' 8664A6' 89D' 73' 5A.A6 ' 89D' 50B85D0D' 24C60""3' 86' .20' 208D' 73' .20' 50 : A ; G "4=89' : 85.@'' 20' 208D ' 09.450"@' 628?0D ' 46' 6009' 79' 790' 64D0' 73' .20' =749 ' 73' <24=2' .20' 6A598C0' #44h6' 375C6' .20' "0B09D'' 9' .20' 50G ?0560' <0' 600' 246' 7.205' 98C06 ' 89D' 246' .4."0 ' '' 4 4?6'' ' 5*' '' M 90A6' 7C4.4A6 ' 679' 73' A=4A6 ' 4C : 058.75N'' 20' "0..056' '' 6.8C : 0D' 49' .20' 340"D' 73' .20' 50?0560 ' : 749.' .7' .20' .0C44"0' 73

0 : .A90 ' <24=2' 46' .20' .@ : 0 ' 89D' 49' 8 ' : 57 ; 8G ; 4"4.@' 43586' D064B90D' .7' 50 : 50609. ' .28.' =D4"4=0' <24=2' 90A6' 7C4.4A6' 2097 ; 85 ; A6 ' 790' 73' .20' 89=06.756' 73' .20' : 056798B0' 49' SA06.479 ' 28D' ; A4".' 49' .20' =45=A6' 73' "8C494A6' 8.' #7C0 ' 49' 2797A5' 73' .20' B7D' ~' .20' 608 ' 8AD' <24=2' 20' 28D' 34""0D' <4.2' 6=A" : .A58'' $3' 9 K ' 357C' %40' =2460'' 73' 0S : 86'' A=26' 2097 ; 85 ; A_?600C6' .2A6' .7' 86=54 ; 0' .7' .20' \08"73' 246' : 57B094.756' 3.45' .20' <75624 : ' 73' 0 : .A90 ' .20' =796.89.' 6830.@' 8AD' 6A==066' 73' 246' 7<9*?0660"6E79' .2 '6.75C@'<8?06' 73' .20' D548.4=*U 1 : '' >>, E>>* 1 a00' 8"67' 75=""' '# ' . ' B096'' d 3 " '' M 864"4=8N' #* ' 4L=354'' '' * 1E "446' "0B09D ' <4.2' .20' 98C0' 73' ' o 2 # ! (' 0"7<' 8 : G : 0856' 79' .20' 50?0<0' 73' 8' D09854A6' 73' .20' 7C4 8' 38C4"@' .20' 8=7C : 89@49B' .@ : 0' <24=2' 50 : 50G 609.6' 8' ; A4"D49B ' <4.2' K<7' 6.7506' 4 =7"AC96' 89D' 6240"D6' 49605.0D' ; 0.<009' .20C ' =7CC79"@' 8""0D' .20' * ' 75' * '# *1 ' 9' .20' 7 ; ?0560' 73' .20' 684A0' D09854A6' 46' .20<04"=D' 208D' 73' 8' <#7C89 ' 79' 790' 64D0' 73' <24=2' 46' 8' BS5"89D ' 89D' 'T"40' 7.205' .20' 64C : A"AC'' ^ @' 8' B58 : 24=' C46.8F0' .20' =B=CD' ! !0! ' 46' 97.' C8D0' .7' 8 : : 085' 8.' .20' . : ' @3' .20' 50?0560*Q .' ; 0856' 8""A6479' .7' '' *44C4"496' 8A"A6 ' <27' 605?0D' .20' =796A"624 : ' 49' .20' @085' 73' #7C0' jR' 9$ ' " ' [N ' 89D' .7' <27C' .20' C054.' 46' 86=54 ; 0D' ; @' 7"D' <54.056' 73' 28?49B' ; 0BA9' .20' 50=796.5A=.479' 89D' 8D759C09.' 9$ ' " ' 2 4N' 8.' 246' 7<C' 0 I : 0960 ' 73' .20' 8 ; 7?0E98C0D' : A ; "4=' 0D434=0' 49' .20' 75AC' 8.' #7C0'' 049B' 27<0?05 ' "03.' 49' 89' A93494620D' 6.8.0' ; @' .20' 37A9D05 ' 4.' <86' 8.' "09B.2' =7C : "0.0D ' 89D' D0D4=8.0D ' ; @' 8A"A6' 0C4"4A6' 0 : 4DA6 ' 49' .20' @085" A'' =*' > ' 9$ ' " ' H N ' 8==75D49B' .7' 479' 8664A6'' 20' =2403' 7598C09.6' 73' .20' 0D434=0' <050' 4.6' =7"AC96' 73' 25@B489' C85 ; "0 ' 73' <24=2' "49@' 6 : 08F6' 49' 8DC458.479'' 20' 4 C4"489' 8*64"4M88' <86' .<4=0' 50 : 8450D ' 83.05' D8C8B0' ; @' 3450'' P 20' 3456.' .4C0' 49' 9$ ' " ' , N ' <209' .20' .0C : "0' 73' 06.8' <86' 8"67' D06.57@0D ' 89D' 4.' <86' .209' 50G 6.750D' " $+ %' ; @' ABA6.A6' 89D' .20' 35409D6' 73' 8A"A6'' 20' 60=79D' .4C0' <86' DA549B' .20' 504B9' 73' 4 ; 054A6 ' 79' <24=2' 7==86479' 0 44DA6 ' <4.2' =79609.' 73' .20' 098.0 ' 50 ; A4".' 89D' 8D7590D' 4.' 8.' 246' 7<9' =76.* 1 0F20'' 8B5006' <4.2' 8?05=8C : ' 49' =7964D0549B' .246' D4C854A6' .7' 28?0' ; j009 =7490D' A9D05' ABA6.A6 (' A9D05' 4 ; 054A6 1 89D' : 749.6' .7' .20' 208D' 79' .20' 7 ; ?0560' 86' D7A ; ."066' .28.' 73' 06.8 ' 8""A64?0' .7' .20' .0CQN"0' 73' .28.' B7DD066' D06.57@0D' 49' .20' 68C0' =7A.'*4B58.479 ' <24=2' =79G 6AC0D' .20' 864"4=8 ' 89D' <86' 506.750D' ; @' AE' BA6.336'' 20' 85=2846C' .77' 73' ! !0! ' M.20' 89G =409.' 6 : 0""49B' 73' ! ! A ' ; 06 408F6' 4.' .7' ; 0' 73' .20' 8B0' 73' ABA6.A6 ' 58.205' .289' .28.' 73' 4 ; 054A6'' 1 . ' ' '' , > * 246' =749' 46' ?8"A0D' ; @' 4779=.' 8.' , ' 35'' 20' 68C0 ' 506.750D' ; @' 58 89 ' 20' : 54=06' 8.' , ' 35*

H>

* 1 7 "8=54.@ ' <4.2 3444A50 73 0B86A6* 1 20 3750B749B "0B09D 7==A56 375 .20 3456. ' 89D 49D00D .20 79"@ .4C0 ' 49 .20 4C :0548"# 60906 73 =7496 ' 79 8 ?05@ 5850 C4DD"0 ;5866 73 &8""40AA6# 20 .@ :0 8"67 46 37A9D 79 790 73 .20 ;4""79 :40=06 C49.0D A9D05 .20 68 :0 0C :0575 ' ; A.' <4.2 8 D4330509.' "0B09D Fo & ' 4# =*0 #06 :0=.49B .246 649BA"85 50?0560 ' 89D 4.6 8 :G :57 :548.0 D0?4=00 73 8 <49B0D 27560 M :50?47A6"@ 97.4=0D 89D 09B58?0D ;@ 9B0"7""4 89D AAD954N ' =F20# 68@6 T ' D7 97.' 50C0C ;05 89@ 8".85 ' D0G D4=8.0D ;@ .20 #7C896 .7 $3 ' .' 600C6 :57 ;8 ;"0 .28.' .246 ?45.A0 ' 75 B77D SA8"4.@ ' 49 8 67?0504B9 ' .7 28?0 ;009 2050 =7CC09D0D 49 &8"E "409A6 ' 49 =7960SA09=0 73 246 28?49B ' 4CC0G D48.0"@ 79 246 8==06647 9 .7 :20 0C :450 ' 89D 85C@ 49 &05G 49B 246 3456.' =796A"8.0 ' :50 :850D 89 85C@ 49 &05G C89@ ' <4.2 B508.' 0I :0D4.479 ' 89D 609.' 4.' 375.2 8B8496.' .20 50?7".0D &8A"6*U 1 00 ! ' 75 * 1 9D05 246 .4."0 850 .7 20 =7964D050D 86 49="AD0D .20 ;44 .20 4=8C ;54 .20 09=.054 .20 64 :0.06 .20 8..4 .20 205A6=06 .28.' 46 .7 68@ ' .20 4928G ;4.89.6 73 .20 A : :05 89D "7<05 #2490 ' 89D .2760 ;0@79D .28.' B508.' 54?05 ' 6A=2 86 .20 0"6. :28E "4896 .20 0664896 ' 89D .20 9I796 ' 86 385 86 .20 ";0 89D .20 (0605 ' 79 .20 ;89F6 73 <24=2 ' 86 <0"" 86 79 .20 #2490 89D .20 0A60 ' 5A6A6 ' 49 .20 .4C0 73 ABA6.A6 ' ;A4".' 375.6 89D 06.8E ;"462.4D B85546796 ' .7 27"D .20 98.4?06 49 =20=F ' 8.' .20 68C0 .4C0 .28.' 20 7 :090D 8 578D 375 246 .577 :6 .257AB2 .20 @5089482 37506.# 20 ?4=G .75406 73 "N5A6A ' M ;57.205 73 4 ;054A6N 7?05 .20 "8948994 ' 850 =7CC0C758.0D 79 CjOD8"6 A9D05 .20 496=54 :.479 ' & * ! ' M600 .20 <75D*N 1 A.' .2760 0I :"74.6 <050 97.' 37""7<0D ;@ .20 09G .450 6A ; AB8.479 73 .20 &05C894= 98.4796 ' 975 <86 .2045 =7A9.5@ 50DA=0D .7 .20 375C 73 8 :57G ?49=0 ' 49 .20 68C0 033_0=.4 " C89905 86 ABA6.A6 6A==00D0D 49 D749B <4.2 50B85D .7 &8A"' :849 ' ""@548 ' B :. ' 89D 7.205 50B4796 ' 7?05 <"44=2 .20 #7C89 85C6 28D ;009 ?4=.7547A6# .' 8 "8.05 :0547D ' 27<0?05 73 .20 0C :450 ' .20 3 4928 ;4.49B .28.' :85.' 73 &05C89@ ' <24=2 46 64.AG 8.0D ;0.<009 .20 89A ;0 ' .20 N :05 #2490 ' 89D .20 "8 40 ' <050 6A ; DA0D ' 3456.' ;@ 858=8""8 89D 83.05<85D6 ;@ 57=A"A6 ' 49 .20 504B9 73 A50E "489# 3.05<85D6 796.8A.4A6 2"7C6 ' <24"6. .5685 ' 7?05.250<' .20C ' <4.2 B508.' 6"8AB2.05* 1 20@ =79.49A0D ' 90?05.20"066 ' 357C ' .4C0 .7 .4C0 .7 ' <8B0 ' <85 8B8496.' 6A ; 60SA09.' 0C :05756 ' 357C 796.89.490 .20 &508.' .7 &58.489A6 89D D7<9G <85D6# 75 <050 .20@ 3498""@ ;57AB2.' .7 6A ; G 0=.479 A9.4"# # # #N ' <209 .'40@ C0.' <4.2 8 D0=464?0 D0308.' ;@ "7D7?60A6 ' F49B 73 .20 58AF*6* "4 * 1 20 50?0560 73 790 73 79G 6.89.490 B7"D =7496 286 375 4.6 .@ :0 8 <7C89 608.0D 8.' .20 377.' 73 8 .57 :2@ ' 6A : :75.49B 205 208D 79 205 85C ' 86 43 "8C09.49B 205 =8 :.4?4.@# #7A9D .20 340"D 8 : :0856 & ! ' * 3 ' 89D 79 .20 0105BA0 46 o ! 1 9B58?0D 49 8@"A6 ' ' 6 ' ++ ' 7* T 246 C0D8"# M68@6 :89204C ' 49 246 8O6856 73 KA"489N ' 503056 .7 .20 ?4=.75406 73 796.89G .490 7?05 .20 ' 89D 8"67 7?05 ."40 ! $ 8 98.479 ;0.<009 .20 #2490 89D ."4= (0605* 1 (4.2 50B85D .7 3 n7\4CA6 50"8.06 .28.' 83.05 28?49B D0308.0D 8Z=9.4A6 ' 796.89.490 :8660D 49.7 &8A"' 89D D450=.0D 246 C85=2 8B8496.' .20 0".4= .54 ;06# (4.2 506 :0=.' .7 ! ' 7.205 <54.056 C8F0 C09.479 73 .20 ;54DB0 <24=2 20 =8A60D .7 ;0 .257<9 7?05 .20 #2490 ' 49 .20 .0554.75@ 73 .20 ;4896 ' 97<' .20 D47=060 73 7"7B90 ' 49 75D05 .7 8..8=F .20 ! ' 75 :07 :"0 73 (06. :28"48 ' 89D .7<85D6 .20 660"*U 2050 46 8"67 8 64C4"85 "0B09D 89D .@ :0 79 8 B7"D =749 73 546 :A6 ' .7 <2760 4""E50SA4.0D ?8"7A5 246 38.205 <86 C849"@ 49D0 ; .0D 375 .246 .54AC :2# W 6 # ! ' ' #*Z 45.5* 1 00 8 * "! ' * 1 4=.75@ ' 8.' <2760 300.' 46 8 =8 : .4?0 ;7A9D ' 27"D49B 2 .57 :2@ 89D :8"C ' ;589=2# 246 "0B09D 8AD .@ :0 8QN :085 79 .245D ';58 ' 73 546 :A6 ' 98.A58" 679 73 796.89.490 .20 &508.# 20@=796.4.A.0 897.205 :5773 73 .20 "08DG 49B 62850 .8F09 ;@ .28.' 20574= ;A.' 4""E38.0D @7A9B :549=0 ' 49 ?89SA46249B 2 C76.' :7<053A" =78"4.479 73 090C406 ' 89D =749 : .#49B .20C .7 8=F97<"0DB0 375 8<24"0 .20 86509D04 ' 73 #7C0* 1 T "8=0D M*68@6 89DA54 ' <27 :A ; G "46206 .20 =749N 49 =7CC89D 73 .20 I?B4796 49 &8A"' 546 :A6 3A"34""0D .20 27 :06 89D 7 ; 0=.6 73 246 4C :0548"# 38.205 ;@ 6A : :506649B 2 375C4D8 ;"0 50 ;0""479 73 .20 ! ' 89D $! 1 :8AE 204C 286 B4?09 .246 50?0560 .7 8 =749 73 79G 6.89.4906 A9*' ;A.' 4.' 46 97.' 49="AD0D 49 .28.' 0C :0575L6 C49.' ;@ 04.205 =F2="' 47990.' 75 F05C89* # # 1 6A598C0 .R3 .20 # ' 38C4"@* * 1 9 8 ;5866 C0D8""479 73 9.7949A6 4A6 ' <4.27A.' "MBM9D } 3 50?0560 850 5= 450609.0D .20 375.4340D <8""6 73 .28.' =4.@# (4.249 850 .20 67<' 89D 4.6 @7A9B ' 8 ;7?0 46 4 4408 }=855@49B ' ;46 38.205 ' ;0249D 24C .20 34B .500 ' 89D ;03750 2 =45=A"85 .0C :"0 6.89D6 89 8".85* 1 00 F $; 2 @? ' 8 675.' 73 =8 :' 73 <24.0 <77"' <24=2 .20 ! ' . K ' 75 :5406.' 73 KA :4.05 ' 8"790 28D .20 :54?4"0B0 73 <08549B# .' <86 C8D0 357C .20 3"00=0 ' 75 6F49 ' 73 67C0 <24.0 894C8"# 68=5434=0D .7 KA :4.05 ' 89D ' <86 6A5C7A9.4D ?4.2 8 6C8""# 6 :54B ' 73 7"4?0# 9 .20 =7496 73 KA"4A6 3=685 .246 8" ;7B8"05A6 46 6009 .7 49D4=8.0 .20 7"34=0 73 + $ ' 1 00 + 5 ' ". ' "9- ' F + N 1 ;759 8.' 8D9A90.AC ' 49 354=8 ' 28D 375 246 38.205 0 794A6 76.AC446 ' 89D .75 246 C7.205 A50"48 =668"498# 4B2"@ 0DA=8.0D ' 06 :0=48""@ 49 B07B58 :24=8"# 89D 6.58.0B4=8"# F97<"0DB0 20 ;0=8C0 357C 8 =8QN.849 73 """@5484 =8?8"5@ 790 73 .20 3456.' 89D C76.' 6A==0663A"# B09058"*6 73 246 .4C0 49 .20 =2403 =285B0 89D =79DA=.' 73 85C406 A9D05 85=A6 A50"4A6 89D 759C7DA6 ;049B 8.' "09B.2 :"8=0D 49 =7CC89D 73 .20 2?B4796 49 4.2@948 ' , [# 8""# 89D :75."@ 49 6.8.A50 ' <4.2 57A9D ?468B0 354\\"0D ;085D ' "85B0 C7A.2 ;A.' <4.2 2 ?05@ 300 ;"0 ?74=0 20 <86 684D .7 ;0 50.4549B 89D C0"89=27"@ 49 D46 :764.479 6.0?=50 49 C8..056 73 D46=4 :"490 89D 73 8 50 :A"64?0 2AC7A5 ' ;A.' 246 ;58?05@ 89D 6F4""# 86 8 67"D44 246 "7?0 73 A6.4=0 8AD 246 506 :0=.' 375 6098.7548"

54B2.6' 89D' :7:A"85' :54?4"0B06' B8490D' 375' 24C' .20' 8..8=2C09.' 73' 8""' ="86606' 49' .20' 6.8.0'' 0' <86' C89"@' 49' 246' 28;4.6_' 3500' 357C' 0905?8.49B' "AIA5@' 89D' 0I=0:.' 246' ;049B' 8' :57D4B47A6'08.05' <4.27A.' 49.0C:0589=0'' &7?05975' 73' 54.849' 89D' &8A"' 8.' .20' .4C0' 73' 05.498IL6' D08.2' 20' C8D0' :50.0964796' .7' .20' 67?0504B9.@' 89D' <86' 0"0=.0D' C:0575' ;@' .20' "0B4796' 20' =7CC89D0D' 49' .20' @085' 73' #7C0' a ' M '' ',a N'' 0'6A==00D0D'49' =8A649B' 24C60"3' .7' ;0' D0="850D' r685' ;@' 0:E .4494A6' 0?05A6' .20' 68C0' @085'/ .28.' C05=4"066' ;A.' 85.3A'' C89' ;049B' 8.' .20' .4C0' 6A 40409."@' 7==A:40D' 49' 6A;DA49B' .20' 086.059' :57?49=06' 73' .20' 0C:450'' 9' .20' 37""7<49B' @085' M,a,N' "E' ;44A6' 605?0D' 246' 60=79D' =796A"624:' <4.2' 0?05A6' 24C60"3' 375' 246' =7""08BA0'' A.' 97' 6779005' <86' 0600994A6' D06.57@0D' ."489' 0?05A6' "0D' 246' 85C@' 8B8496.' 246' 54?8'' 49' .20' <06.'' T' 20' 54.462' "0B4796' A9D05' 4;49A6' <050' 7:::768D' .7' .2760' 73' "@54=AC' 89D' .20' .577:6' 79' 08=2' 64D0' =7C;8.0D' <4.2' 6A=2' ;58?05@' .28.' .20' 506A".' <86' "79B' D7A;.3A'"LO A.' 83.05' C89@' 689BA4985@' 09B8B0G C09.6' 37AB2.' <4.2' 8".05A8.0' 6A==066' 4;49A6' <86' D0308.0D' ;@' 246' =7C:0.4.75' 49' 8' D0=464?0' ;8.."0' 79' .20' :"849' 73' 49A5.4AC' M97<' % ' ;0.<009' .20' #2790' 89D' 8790' 9085' ' M @79N' 49' 589=0'' 9D' A9D05' =45=AC6.89=06' 73' B58G .A4.7A6"@' ;5A.8'' .54AC:2' 79' .20' :85.' 73' .20' =79G SA0575' 4;49A6' "76.' 246' "430' 49' .20' @085' A'' =' a[' M '' ',a N'' 0' <86' CA=2' "77FOD' A:' .7' ;@' C89@' 89D' 49D00D' <86' 86' CA=2' ;0"7?0D' ;@' .20' 098.0' 86' .20@' 28.0D' 0?05A6' 79' 8==7A9.' 73' 246' 30853A"@' ?49D4=.4?0' =5AO".@'' 9' 246' =7496' <24=2' 850' 37A9D' 49' .20' .2500' C0.8"6' 89D' 73' 8"'' 64\06' 0I=0:.' 6C8"'' ;5866' .246' :549=0' 46' 6.@"0D' ' ' #' *1 8"67' '' 4 '' '' '' &'1 89D' '' '' '' '' &'' M79' 0?=56=' WO'' *N 1 46' B7"D' 89D' ;5866' C0D8""4796' 850' 73' .20' 24B206.'5854.@'' 4"?05' 89D' 3456.' 89DO60=79D' ;5866' 850' 8"67' 5850* 20' "85B0' ;5866' 357C' <24=2' .20' 6A;7490D' =A.' 46' 09B58?0D' <86' 6.5A=F' '' '',a ' 86' .20' C85F' 73' 246' 60=7AD' =796A"8.0' 8..06.6* 1 ' . ' '' '' '' *1 850' 208D' 73' 4;49A6* 6 ' ' '' '' ='*1 0"4=4.@' .89DG 49B' <4.2' =8DA00A6' 89D' $ '+ $' *1 00' ! ' 20"'' 49' 246' 6A:: "0C09.' .7' 84""89.' M:'' , N' 286' B4?09' 89' 09B58?49B' 73' 8' C76.' 5850' 89D' 0"0G B89.' B7"D' =749' 73' 4;49A6' 357C' .20' 40998' =8;490.' <4.2' '' * ! ' &' " ' 375' "0B09D' 89D' 57?4D0A.48' <4.2' 205' 8..54;A.06' 375' .@:0' 73' 4.6' 50?0560* 4;49A6' M50C85F6' .20' 49.0""4B09.' 8A.275' 73' ^ ' 0 6 % 27:49B'.7'F00:' 79' 89' 8C4=8;"0' 377.49B' <4.2' 0?05A6' :84D' 24C' + '' HH 8"'' F49D6' 73' D030509.48'' 8..09.4796' ' 89D' .20' .@:06' 79' .20' 50?05606' 73' 246' 085"405' =7496' ;085' .06.4C79@' .7' 246' ;049B' 493"A09=0D' ;@' .246' :7"4=@'' A.' 49' .20' 6A;60SA09.' :8668B06' 73' 246' =85005' ;049B' 375=0D' .7' 09.05' 49.7' 89' 7:09' 6.5ABB"0' <4.2' 246' 6A;."0' 54?8"' 20' D0="850D' 24C60"3' ' 86' <0"'' 86' r685'' 9D' 357C' .28.' :0547D' .20' C0D8"6' 49' <24=2' 20' .8F06' .246' .4."0' 97' "79B05' 0?49=0' .20' 68C0' =2858=.05' 73' =8A.479' 89D' C7G D058.479'' .' 46' 27<0?05' 90=06685@' .7' 7;605?0' .28.' .20' "8..05' M<4.2' .20' .4."06' 73' ! #' 89D' & A' 850' 97.' .7' 20' 37A9D' 49' B7"D' 89D' 64"? ' ' <24"6.' .20' ;579\0' =7496' <050' 6. '' C49.0D' 0I="A64?0"@' 8.' #7C0' 89D' =7A"D' 97.' 8==75D' .7' 24C' 8' .4."0' <24=2' .20' C:0575' M 0?05A6N' 89D' .20' 098.0' 503A60D' .7' B589.' 24C* 9' 5030509=0' .7' .246' SA06.479' 5'' F=5C89' 8"67' 7;605?06' .28.' .2760' =7496' 73' "';2C6' <24=2' ;085' .20' .4."0' 73' 00 r685L0 850' =7964D050D' .7' 28?0' ;009' 6.5A=F' 8.' #7C0' 0?05A6' 28?49B' =79609.0D' .7' 246' 866AC49B' .28.' .4."0'/ 89D' .28.' .2760' <24=2' 28?0' 40' 6.@"06' T' C:058.75U' 89D' T ABA6.A6 OO' <050' 6.5A=F' 49' &8A"' 83.05' .20' 09.5@' 73' 4;49A6' 49.7' .28.' =7A9.5@*1 ' =749' 49' .20' 4=A98' =8;490.' 286' # ' # ' 79' .20' 50?0560' .20' ;08D' 64D0' ;0.449B' .20' .4."0' 73' r685'' 97.205' 46' D06=54;0D' 86' 28?49B' # ' # ' 79' 4.' 89D' & ' 79' .20' 7;?0560*1 09=0' +"47990.' 6A::7606' .28.' 4;49A6' 28D' 8' 7A9=4'' 75' 098.0' 4A' &8A"' <27' =7930550D' 79' 24C' .20' 2797A58;"0' .4."0*1 T' 7<G 0?05' M8DD6' .20' AD4=47A6' =7C:4"05' 73' .20' T' 0G 6=54:.4?0' 8.8"7BA0' 73' #7C89' 7496 OLN' 4.6' 86G 6AC:.479' ;@' 4;49A6' <4.27A.' "4=0960' CA6.' 97.' ;0' <79D050D' 8.' 49' 89' 8B0' <209' C:05756'86:450D' 0?09' .7' D4?490' 754B49'OO 9' .20' 68C0' :749.' 8:.849' C@.2' 68@6' T' 6A=2' C0D8"6' 73' 4;49A6' 86' ;085' .20' .4."0' 73' ABA6.A6' 850' <4.27A.' .20' 6'' =' 89D' 850' :57G ;8;"@' 357C' .20' 73"40:8' 73' ABj"A9AC 1 649=0' .2760' C49.0D' ;@' =79609.' 73' 0?05A6' <050' 466A0D' ;03750' 4;49A6' 28D' 866AC0D' .28.' .4."0*U ' 75' F3' 89' 894C8'' 73' .20' =05?490' 6:0=406*1 ' 50:50609.8.479' 73' .246' 50C85F8;"0' SA8D5A:0D' 46' 37A9D' 79' 790' 73' .20' " o * ' 1<<',6.';5866' 73' "44"4::A6' 609475*1 00' =0 ' ' ' ' $' "66 ' ' GB *1 ' 1 M6.5A=F' 8.' "0IG 89D548*N' .' 46' 508D' 79' .20' 0I05BA0' 73' 60=79D' ;5866' =7496' 73' .20' "7<05' 0C:450' 86' 49' 47="0E' .489446' &8"'' 8I449489A6' =* +*1 /! #' " ' ' *' ' 2)'('?6'' & 1 20' C:0575'89D' r685' 85=A6' A50"4A6' 0?05A6' "0I89D05' .20' 47A6' .20' ABA6.* + '' #' . # ' M 866489A6' "5IE' 489A6N' ;7C' 8.' 508' M .068508' 4;894N' 49' 2M:E' 94=48' ' '> [' <86' .20' 679' 73' &0664A6' 85E' =489A6' 89D' KA"48' 8C608'' 20' =850' <24=2' ;46

H, + #*

C7.205' ;06.7 0D' 79'246'0DA=8.479' 8C:"@' =7CG :0968.0D'375'246'085"@' "766'73'8'38.205' 89D'357C' 246'49389=@'20' B8?0' :57C460' 73' .2760' SA8"4.44 6 89D'0I=0""09.' 8;4"4.406' <24=2' D46.49BA4620D'24C' .257AB2' "430#' 0' 6779' ;0=8C0'8'38?7A54.0'<4.2' .20' ;06.' 86' <0"" 86' 97;"06.' 67=40.@' 49' #7C0# 257AB2' .20'68B8=47A6':7"4=@' 89D':056A8647?9' 73' X 4068' 246'B589DC7.205' 20'<86'8D7:.0D'2@' "8E' B8;8"A6*1 0="850D' 30685 ' >>,' 20'.77F'.20' 98C06'73' 85=A6' A50"4A6' "0I89D05' 605?0D'246' 3456.':796A"8.0'.20'37""7<49B'3 ' ' 89D'83.05'.20' 354B2.3A"504B9' 73'246' 0I0=58;"0'=7A649' .20' #7C896' ;020"D'8'@7A.2'73'6=85=0"@' 37A5.009' @0856'73'8B0' 79'.20'.25790' 73'.2045' 0C:05756' :N66066=D'73'.8"09.6' =7A58B0' =7550=.' C758"6 1' 0?05i#2AC89' ?45.A0' 89D' 0?05@' :056798#" 8==7CG :"462C09.# 46' B77D9066'86' 89' 49D4?4DA8"' 89D' 246' <46D7C'86' 8'54D05' 50=8""0D'.7' .2045'50C0CG ;589=0'.20'28::405'.4C06'73'.20'0C:450' 89D' 379.40D'8'6.54F49B' =79.586.'.7' .20'24D07A6'?4=06' 89D'C46B7?059C09.'73'246'4CC0D48.0':50D0=06675* 9'.20'D08.2'73' "8B8;8"A6' ;049B'68"A.0D' ABA6.A6'89D' C:058.75'9 ' '>>>N';@.20'09G 58:.A50D'098.0'20'8.'.20'68C0'.4C0'50=04?0D' .20'.4."06'73' ABA6.A6' 8.05' 8.54.7'<4.2'8"#' .20'C85F6'73'4C:0548#' D4B94.@'89D'357C'.28.' :0447D'A94.0D'.7'246'7.205'98C06'.28.'73' 0?0E' C6*1 9'>>a'20' :57=00D0D'=796A#' 375'.20'H5D' .4C0'28Z49B'375'246'=7""08BA0'.28.'@085' 479' 8664A6'.20'=0"0;58.0D'246.7548 9'73'#7C0#' .' <'86'DA549B'.20'504B9'73'.246'0C:0575'.28.' 5E' .8;8906' # +49B'73'.20' 85.2489*6'<86'F4""0D' ;@' 5.8I05I06'<27'50E06.8;"4620D'.20' 056489' C7985=2@'89D'=8A60D'24C60"3'.7' ;0'D0="850D' F49B#' 9'=7960SA09=0'73'.20'276.4"0':57B5066'73' .246':549=0'8B8496.'.20'#7C896' "0I89D05' 0?0E' 5A6'"0D'8'375C4D8;"0'85C@'49.7'.20'086.'M8;7A.' # #>H,'8==75D49B'.7' 0F20"N'89D'28?49B'49' 8'B578.';8.."0'D0308.0D'5.8I05I06'<27C'20' D57?0';8=F'357C'.20'3579.4056'73'.20'0C:450'50G .A590D'.7'#7C0'<2050'20'50=04?0D'.54AC:28"' 2797A56'375'246'?4=.75@'7?05'.20' 0564896# 40' 68C0'@085'20'8==0QR.0D'.20'.4."0'73' 4?6#' 9'>H[' 20'09B8B0D'49'897.205'6A==0663A"=8C:84B9#' .' <86'8B8496.'.20'&05C896'<27'28D'.8F09'8D?89.G 8B0'73'246'8;609=0'49'.20' 86.'.7'58?8B0'.20'&8"G "4=':57?49=06#' 246'<86'246'"86.'8=240?0C09.#' ' 289D'73' 38=.47A6' 67"D4056' M496.4B8.0D' ;@' .20' 458=489'68?8B0' 8I4C49A6'8.'.28.'.4C0'8DG ?89=0D'37';0'790'73'246'B09058"6N'6"0=<'24C'89D' 246'C7.205'M 8C608N'49'.20'@085'73' A5' 75D' {JH[' 89D'.20'>.2'73'246'8B0'83.05'246'28?49B' ;58?0"@' =7494989D0D'.20'#7C89'85C406'<4.2' 86'=796ACC8.0'B09058"624:'89D'86'CA=2'B"75@' 86'89@'73'246':50D0=066756'375',H'@085*6# 46' D08.2'<86'A94?0568""@'D0:"750D'86'.28.'73'.20' 38.205'73'246'=7A9.5@'.20'3909D'73'246'6A;0=.6' 89D'790'73'.20'C76.'A6.'89D'B09057A6'73':549=06# 20'2797A56'73' '<050'8<85D0D'.7' 24C';@'.20' 098.0'89D'8'306.4?8"<'86'496.4.A.4 D' .7'246'2797A5'<24=2'=79.49A0D'.7';7'=0"0;58.0D' D7<9'.7'.20'504B9'73' 796.89.49=*1 "0I89D05' <86'.20'3456.' C:0575'<27' :764.4?0"@'38?7A50D' .20' 2546.4898'<4.2'<2760'C758"':50=0:.6'20' 600C6'.7'28?0;009'8=SA849.0D'375'20'=8A*60D'.7' ;0'496=54;0D'7?05'.20'<:8"8=0'B8.0'.20'B7"D09'5A"0' 73'.20'&76:0"1 7'86'@7A'<7A"D';0'D790';@*LO + #*

' / ') '$ ' '5<' ' '$ % ' "0I89D05' 0?05A6'28D'.2500'<4?06#' 20'98C0' 73'.20#3456.'46'97.'F97<9'.20'60=79D'<86'=8""0D' 049C48'.20'"86.'* '1) 3'73'<27C' 79"@'.2050'850'=7496#' 0'D706'97.'8:.085'.7' 28?0"03.'89@'=24"D509*1 20'C79406'73' "0I89G D05' 0?05A6'850'?05@'9AC057A6#' 7C0':40=06 50:50609.'24C'<4.2'KA"48' 8C608'89D'<4.2' 5E' ;4898#' 46'B7"D'89D'64"?05'=7496'MA6A8"'64\OM 850'=7CC79'3456.'89D'60=79D';5866'8"67'=7CG C79'B7"D'64"?05'89D';5866'C0D8""4796'850'73' .20'24B206.'5854.@#' 9'.2060'20'46'6.@"0D' ' 3' 2) 72 / (' 4' # ' + # ' & ' M67C=.4C06':#:*N 20'=A.'8.' .20'208D'73'.246';47B58:24=8"#' 97.4=0'46'357C'6' 64"?05'=749#' 9'.20'7;?0560'! #' 0 6 *' :4?6' &# 8A5=8.0D'208D'73'.20' C:0575#' 20' "0B09D'73'.20'50?0560'"7?4'#$ # & *!' M.7' KA:4.05'.20'D0309D05';<2760'4C8B0'6.89D6';589G D6249B'8'.2A9D05;7".N'350SA09."@'7=0956'49'.20' C49.'73' "0I89D05'<24=2'8"67'286-+ ' CE' $ 7' F ' 89D' ' 8C79B'4.6'.@:06* "0I89D05'7==A:40D'24C60"3'60DA"7A6"@'49'50G 375C49B'.20'8;A606'<24=2':50?84"0D'49'.20'6.8.0' 73'.20'#7C89'C49.#' 09=0'.20'"0B09D'$!.' 1 ' 2 2'79'67C=' 73'246'C0D8"6'20';0G 49B'.20'79"@'790'73'.20' ' <27' <'86'6.@"0D' 79'=7496'8'506.7505'73'C790@#' 0'8"67'A60D' 0"0=.5AC# 00 .7A.'246'.4C0'.20'606.05.44'M75' "85B0';5866'M D4C49462'49'C8B94.AD0':A;"4=':0?09.6' 850'B4?09'49'"066'D0.84"'79'.20'50?05606'89D'.20' D04.406'89D'C758"?45.A06'8::085'C750'350SA09."@# 20'=7496'850'27<0?05'C76."@'=7CC79'89D'850' 50.8490D'49'=274=0'=7""0=.4796'79"@'8==75D49B'.7' .2045':0530=.479'75'49D4?4DA8"'49.0506.* 1 00' 8:.849' C@.2I6'50C85F6'79'.246':549=0I6'=28G 58=.05'89D'504B9*1 * ' ' >>&*

+4Z #' M=7CC79"@'6A598C0D'3 ' % 89'A6A5:05'DA549B'.20'504B9'73' 8I09.4A6# 7C'73' 89979489':08689.6'75'8==75D49B'.7' 67C0'<54.056'6:5A9B'357C'89'0SA8""@'7;6=A50' 754B49'49' 25B48'20'09.050D'.20'85C@'89D' .27AB2'73'97'B508.'C4"4.85@'.8"09.'975'73'89@' ?05@'D46.49BA4620D'?8"7A5';0=8C0'49'246'7"D'8B0' :57E:5834=.'73' 354=8#' 9'=7960SA09=0'73'.20'0IG .50C0'60?054.@'73' 8I09.4A6'.44<85D6'24C'27' .250<'733'246'8""0B489=0'.7'.28.'85;4.585@':549=0' 89D'D58<49B'49.7'246'50?7".'.20'67"D4056'<27'28D' 49?06.0D'24C'<4.2'.20':A5:"0'CA60D'24C60"3'.7' ;0:575"84C=D'0C:0575' ' 'H # 75'.2570' @0856' "0I89D05'C849.8490D'246'A6A5:0D':7<05' 8.' 85.28B0' ' ;A.'<86'8.' "09B.2'D0308.0D';@' .20'.577:6'73'38I09.4A6'.8F09':5467905'89D':A.' .7'D08.2' # # H,,# 46'=7496'<4.2' 8.49' "0B09D6'49'*64"?05'89D';5866'850'73'.20'24B206.' 5854.@# 20@'<050'C49.0D'49' 354=8':57;8;"@' 8.'M4B5.28B0# 9'.2M60'20'46'6.@"0D'! #' o 6D *':# # ?7*1 20'8;7?0'09B58?49B'357C'8

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8' "79B' 57 ; 0 ' : 50609.49B' . < 7' 73' . ; 0' " : 489' = 24"G D509 ' 790' 73' < 24=2' 620' 27"D6' 79' 205' 85C ' < 24"6.

.20' 7.205' 6.89D6' ; 064D0' 205 ' 89D' ; 7.2' 73' < 27C' 0I.09D' .2045' "4.."0' 289D6 ' 49' .7F09' 73' B58.4.AD0* 9' =7CC09.49B' 79' .246' 49.0506.49B' .@ : 0*' 8 : G .849' C@.2' 68@6 1 T 246' 46' 6.5A=F' A : 79' 89' 7==8G 6479' 64C4"85' .7' .28.' D06=54 ; 0D' < 4.2' 5030509=0' .7' : 50=0D49B' =7496 ' 89D' =7557 ; 758.06' 246.75@ ' ;@ 620<49B' .28.' .20' : A ; "4=' C8B8\4906' < 050' <0""' 34""0D ' 375' 496.08D' 73' 6A : : "@49B' .20' =4.@' ;@ 7 : G : 506649B' .20' ' 7C89' : 57549=06 ' 58 89' .77F' 733' 8 ' 506.54=.4796 ' 89D' "84D' .20' .5833=' 49' : 5754647967 : 09* 246 ' 89D' : A9=.A8*" : 8@C09. ' 496 : 450D' =7A3"D09=0 ' 89D' .20' : 57?49=06' 609.' .2045' =7C' .7' .8"@' 49' 6A=2' 8 ; A9D89=0 ' .28.' #7C0' < 86' 49' 8' =79D4.479' .7' 50"40?0' B@ : . ' .20' B58985@' 73' .20' < 75"D ' < 209' D46.50660D' ;@' 38C490* 246' 38=.' 46' 8DC458 ; "@' D0.84"0D' 49' .20' : 890B@54=' 89D' < 86' 67' 50C85F8 ; "0' 8' 50.A59' 375' 375C05' 7 ; "4B8.4796 ' .28.' .20' 09=7C486.' D<0""6' A : 79' 4.' < 4.2' C894306.' D0"4B2.*U 1 . ' ' : * >*

' 790' 73' .20' 6A5 : 056' DA549B' .20' 504B96' 73' 47="0.489' 89D' 8I4C489* 1 46' 38C4"@' =7A9.5@' 89D' .4C0' 73' ; 45.2' 50C849' A9F97<9* 1 ' 7""7<49B' .20' 375.A906' 73' 4 * ! ' 20' ; 0G =8C0' 246' 5C.75489' 5.0 =. ' 89D' .77F' : 85.' 49' .20' 8DC4946.58.479' 73' 246' B7?059C09.' 49' 54.849* ".27AB2' 6F4""0D' 49' < 85 ' 89D' 20"D' 49' 50 : A.0' ; @' .20' 67"D4056 ' @0.' < 28.0?05' B77D' SA8"4.406' 20' : 766 60660D' < 050' D85F090D' ;@' 246' 8?854=0 ' 89D' 6A""40D' ;@' 246' 8C ; 4.479* 89@' < 050' .20' 8=.6' 73' 49G A6.4=0' < 24=2' 20' 46' 684D' .7' 28?0' =7CC4..0D ' !A9D05' .20' 493"A09=0' 73' .2060' .< 7E37"D' ?4=06 ' 89D' 308549B' .20' 50609.C09.' 73' 858A64A6 ' 20' =8C0' .7' .20' ; 860' 89D' .508=2057A6' 5067"A.479' 73' 866866 49 ' 8.49B' 246' 209038=.75' 89D' =7C : 89479' 49' 85C6* 1 ' 8?49B' : 05 : 0.58.0D' .246' 37A" =54C0 ' 20' 0C : "7@0D' 246' 4""EB7..09' < 08".2' 49' =7C4 : .49B' .20' "0B479G 85406' 86' < 0""' 86' .20' 608' 375=06* 20@' D0="850D' 24C' + ' 89D' ' 89D' 20' ; 0=8C0' .20' 6A==06675' 73' 858A64A6 ' * * > ' H* 796.89G .496' 2"75A6' ; 049B' .209' 49' &8A" ' 5067"?0D' .7' .05G C498.0' .20' A6A5 : 8.479' 73' ==.96 ' 20' : 50 : 850D' 8' 3"00.' < 24=2' 20' D4?4D0D' 49.7' .< 7' 6SA8D5796 ' 79' ; 785D' 790' 73' < 24=2' 20' 0C ; 85F0D' 24C60"3 ' B4?49B' .20' =7CC89D' 73' .20' 7.205' .7' 246' : 5030=. 6="0E' : 47D7.A6* 28.' =7CC89D05' C8D0 ' 49' 8' 6F4"3A* C89905 ' 246' D06=09.' A : 79' .20' 54.462' 627506 ' 89D' 496.89."@' C85=20D' 8B8496.' ""0=.A6 ' < 27' 28D' : 50 : 850D' 375' .246' 0I : 0D4.479' 8B8496.' 24C' 357C' .20' =7CC09=0C09.' 73' 246' 504B9* ' ; 8.."0' 09G 6A0D ' < 24=2' 09D0D' 49' 38?7A5' 73' 796.89.4A6L6 B09058"* 20' A6A5 : 05' < 86' 6"849' 79' .20' 340"D' 73' ; 8.."0 ' 83.05' 28?49B' 20"D' .20' 67?0504B9.@' 73' 54E

* .849' DA549B' .2500' @0856* .' < 86' 49' =7960SA09=0' 73' .246' ?4=.75@ ' B8490D' ; @' 246' "40A.0989. ' .28.' 796.89.496' < 86' 098 ; "0D' .7' 50E06.8 ; "462' .20' 6AQR50E C8=@' 73' C : 0548* #7C0' 49' 54.849 ' * * >a ' .09' @0856' 83.05' .20' B7?059C09.' 73' .28.' 46"89D' 28D' ; 009' 60 : 858.0D' 357C' 4.* 1 9' 246' =7496' 20' 46' 6.@"0D' ! # ' M75' *=*N 4 ' : * * 7* 1 75' 9"@' * * 75' ' * * *EEEE 5' * * : * * * +' < 2050' .20' "* 7==A56 ' 4.' 46' .7' ; 7' 508D' * 1 20' B7"D' 89D' 64"?05' M.20' "8..05' B09058""@' 73' 8' ?05@' ; 860' SA8"4.@N ' 850' 73' .20* 24B206.' 5854.@* 20' ; 5866' M6C8""N' 850' 8"67' C89@' 73' .20C' 5850* 20@' ; 085' 8' < 0""E0I0=A.0D' ; A6. ' B4?49B' ""0=.A6' .20' 844 : =8589=0' 73' 8' C89' 73' [' 75' .20508 ; 7A.6* 20' 208D' 79' .20' B7"D' 46' "8A508.0D ' 79' .20' 64"?05' 89D' ; 5866 ' 58D48.0D* 1 ' ".7B0.205' .20' : 75.584.' 46' 73' C85F0D' =2858=.05 ' 89D' C8@' ; 0' 50B85D0D' 86' 8' B77D' "4F09066' 73' .20' C89*

20' 8990I0D' =A.' 46' 0I0=A.0D' 357C' 8' 50C85FG 8 ; "@' < 0""E : 50605?0D' .245D' ; 5866 ' = 7?050D' < 4.2' D85F' ; 57 < 9' : 8.498 ' 6.8.0D' .7' 28?0' ; 009' 37A9D' < 4.249' .20' 8508' 73' .20' #7C89' =8C : ' 8.' 846.=5' " ' ½ ' 9085' 75<4=2* 1 M 40' =749' 46' 97<' 49' .20' : 766066479' 73' 5* (* 096"@N* 1) ' * =* ' * * * #8D48.0D' 208D' 73' ""0=.A6* ' # ' * 0"4=4.@' 6.89DG 49B' < 4.2' =8DA=0A6' 89D' 2759' 73' : "09.@* 9' .20' 340"D' 6* 1 &8' .20' 0I05BA0' * * * =F20"* 7 ; 605?06 ' .28.' < 24"6.' .20' =7496' 73' 858A64A6' 28?0' .2045' C054.' 79' 8==7A9.' 73' .20' ?8547A6' "0B09D6' 89D' .@ : 06' < 24=2' .20@' 0I24 ; 4. ' .20' =7496' 73' ""0=.A6' 50=7CC09D' .20C60"206 ' 49' 97' 7.205' 506 : 0=. ' .289' 375' .2045' B508.05' 5854.@* 20' 68C0' 4""A6.547A6' .08=205' 49' 9AC46C8.4=6 ' 8"67' 6 : 08F6' 73' .20' 50?05606' 86' =7CC7 y 89D' .54.0 ' 09AG C058.49B' 6A=2' 79"@' 86' 8I ' 57?4D09.48 ' 54096 ' 8"A6 1 ; A.' 20' =7A"D' 97.' 28?0' ; 009' 8 < 850' 73' .20' 9AC057A6' 7.205' ?8540.406' .28.' 0146. ' 89D' < 24=2' 6 < 0"" .20' =8.8"7BA0' 49' 5* F05C89L6 < 75F ' 6A=2' 86' .20' D?09.A6' AB* 1 E S94.86' AB* 1 7C06 AB* 1 48900' 0DA=4EEE 0"4=4.86' 0=A"4 1 4D06 4"4.ACE 4"854.86 1 K7?4' 79605?8.754 1 79=.8' AB* 1 40.86' AB* 1 #7CC' 4.0C40 1 : 06' A ; G "4=8 1 0C : 794C' 0"4=4.86 1 4=.7548' AB* =* #0305549B' .7' .20' ?8"A8 ; "0' 508.460' T' 79' .20' 7496' 73' .20' #7C896' 50"8.49B' .7' 54.849 U' ; @' .20' < 0""E F97<9' 89D' 06.00C0D' 8A.275' 8 ; 7?0' 98C0D' 375' 89' 8C : "05' C790.8* 97.4=0' 73' 0=.A6 ' < 0' 628"* .8F0' .246' 7==8647 9' .7' SA7.0' 790' C750' 90<' ?8540.@' 49' .20' "46.' 73' 50?05606' 79' .246' A6A5 : 05L6 = 7496 ' D46G =7?050D' M8C79B6.' 7.2056' 73' 7C89' C49.8B0N ' 8.' 4""@27C ' 9085' 8F54DB0' = 7CC79 ' 89D' = 7CCA94G =8.0D ' .257AB2' 5* #78=2' C4.2 ' * * * .7' .20' 54.462' 5=2C7"7B4=8" 667=48.479 ' ;@' 5* * 8F05* .' 508D6' ! " * ! ' & * ' ' 4 0 f ' 9' .20' 0I05B90' = * ' 49' .20' 340"D' 6* : * .57 : 2@' 89D' =8 : .4?06*

49854A6 =85:A6 790 73 246 40A.0989.6*1 9 8 D09854A6 73 .20 38C4"@ B4?09 49 750"" 0 508D * M 85F 9G .79@ =76 # 4444 20 .@:0 46 KA:4.05 CC79 86 D064B98.0D ;@ .20 8..54;A.0 73 8 58C 2759 79 .20 64DO 73 8 ;085D0D 208D*1 75 .246 D0?4=0 600 $ B096* #*1 246 "0B09D 46 37AAD 496=54;0D 8;7?0 .20 34BA50 73 8 27560 79 8 5850 =7A.75948.= C0D8" :A;"4620D ;@ 8?05=8C :" y3 , N 89D <24=2 20 =7964D056 86 04.205 D0G 54?0D 4357C .20 "7?0 75 8..8=2C09. <24=2 8 C86.05 ;0856 .7<85D6 8 27560 .28.286 =85540D 733.20 :8"C 73?4=.75@8..20 45=096489 B8C06 75 46 A60D .7 D097.0 .20 97;"0 98.A50 73 .28. 894C8"*

*1 <7 7?06 75 A:4D*6 D58<49B 0.C6 49 8 =28547. 8:085 79 8 D09854A6 73 .20 - 38C4"@1 09B58?0D 49 "750""9 $ '4 34B *N #' &&" 7 % (' A.A8"8330=.479 73 .20 C:05756*1 7 54B2. 289D6 7490D 246 "0B09D 89D .@:0 8::085 79 "85BO 64\0D 64"?05 73 8";4C46 89D 73 A:409A6 <27 <050 .20 3456. .<7 0C:05756 0"0=.0D .7 504B9 <4.2 :50=460"@ 0SA8" 54B2.6*1 75 89 018C:"0 73 .<7 54B2. 289D6 7490D 600 'B096 89D # 4?6 # =?6*1 =" 8"67 7'7 '89D + d% .<7;57.2056 73 4=4"@ 506:0=.49B <27C 4. 46 50"8.0D .28. .20@ 68?0D .2045 :8509.6 8. .20 :054" 73 .2045 7<9 "4?06 357C .20 3"8C06 73 .98 8. .20 C7C09. <?209 89 05A:.479 73 .28.?7"0897 .2508.090D .2045 4CC0D48.0 D06.5A=.479 246 <86 8 38?7A54.0 6A;0=. <4.2 .20 89=409.6 49 6@C;7"4649B 34"48" :40.@ 89D 46 73.09 50:50609.0D 79 &500F =7496 73 8.898 M 8.8948N <2050 .246 97;"0 8=.479 46 8""0B0D .7 28?0 ;009 :05375C0D 3 .2060 .<7 4=4"489 "@7.2=56 .@:06 73 .28. D0?7.0D "7?0 <24=2 46 0?05 =2054620D ;@ B77D =24"D509 37y 85D6 .20 085.2"@ 8A.2756 73 .2045 ;049B ' F F3 8""AD49B .7 7A9. .98 .2A6 0I:506606 24C60"3/1

+ $ 0 +) h $ F3 ' 7 + F3 + '+ 0 + 3 0 '

W C:2497CA6 89D 246 ;57.205 ;7.2 0SA8""@ =7A58B07A6 49 .20 :05375C89=0 73 8 DA.@ <24"6. .20 3"8C06 C4C9A50D .2045 2508.6 8B8496.:.20 904B2;7A549B 27A606 506=A0 .2045 D0=50:4D 38.205 89D .2045 8B0D C7.205*U

9 8 <0"" F97<9 D09854A6 73 7C:04A6 8BG 9A6 6.5A=F 49 5030509=0 .7 246 98?8" =7CC89D 89D .7 246 ?4=.75406 7?05 .20 :458.06 79 .20 =786.6 73 4=4"@ 89D 73 .8"@ .246 :7:A"85 "0B09D 46 ="085"@ 8""AD0D .7 ;@ 8 .@:434E =8.479 49 <24=2 0:.A9O 375C6 .20 =09.50 73 8 B57A: <24"6. 79 08=2 64DO 24C 46 8 98F0D @7A9B C89 =855@49B 79 246 627A"D056 89 8B0D 34BA50 ="7.20D" .46 .2A6 .28. 79 #7C89 =7496 83.05 .20 018C:"0 73 .20 &500F C:2497CA6 89D 98:46 850 6009 506G =A49B .2045 38.205 89D C7.205 357C .20 :054"6 73 .20 ;A5949B C7A9.849*1 00 # * #' "; 2 #4 *1 2=827?=46 09B58?0D 357C .20 &

64"?05 =749 506.750D ;@ 58 89 ?8"A0D ;@ 479E 90.8.H 35 M$,, , 6 " D*N # EEEEE 246 46 8 <75D <24=2 0?09 ;@ 4.6 =7C:7A9D 375C8.479 D064BG 98.06 89 0D434=0 =79646.49B 73 .<7 .208.506 38=49B 08=2 7.205 89D "08?49B ;0.<?==9 8 ?74D 6:8=0 =8""0D .20 <205049 D4330509.F49D6 73 :A;"4= B8C06 89D 6:0=.8="06 <050 0I24;4.0D 06:0=48""@ =7C;8.6 73 B"8D48.756 89D <4"D ;086.6 l20 98.A50 73 .2060 =79.06.6 <24=2 7;"4B0D .20 =7CG ;8.89.6 8".0598.0"@ .7 :A56A0 89D ;0 :A56A0D 90=06685 4"@ 50SA450D 89 0"79B8.479 73 B57A9D 357C .20 =09.50 89D 506A".0D 49 :57DA=49B 89 7?8" 496.08D 73 8 =45=A"85 375C C:24.208.506 <050 :0=A"485 .7 .20 #7C896 .20@ <050 A9G F97<9 37 .2=" &500F6 2060;A4"D49B6 <050 97.' =7?050D 49 ;A.' DA549B' B589D' D46:"8@6 89 8<949B <86 7=8* 4798""@ 6.50.=" '4D 8=5766 357C .20 .7:.7 6=5009 .20 6:0=.8.756 .57C .2=" 49.0960 208.' 73 .20 6A9L6 58@6 20 85098 <86 6A5G 57A9D0D <4.2 D096 " % 49 <24=2 <050 =79390D .20 3057=47A6 894C8"6 D06.490D 375 .20 D4330509.' 34B2.6 CC0D48.0"@ 8;7?0 .2060 D096 .2050 <86 8 B8 45@ 5A9949B 57A9D .20 <27"0 85098 89D 49 <24=2 .20 C76.' D46.49BA4620D 05G 6796 .77F .2045 506:0=.4?0 :"8=06 0249D .246 B8""05@ .20 608.6 75 6.0:6 5760 49 B58D8.479 .7 .20 6ACC4.# 2=" 7<05 .4056 <050 375 :07:"0 73 589F .2=" 7.2056 <050 8::57:548.0D .7 .20 "7<05 ="86606 2=01.05475 73 89 8C:24.208.50 <86 D4?4D0D 49.7 6.75406 08=2 7598C09.0D <4.2 85=8D06 =7"AC96 89D :4"86.056 49 B508.05 75 "066 9AC;05 89D 67C0.4C06 <4.2 6.8.A06 #0G 64D06 .20 =45=A"85 57<6 73 6.0:6 <24=2 605?0D 375 608.6 4964D0 .2050 <050 8"67 67C0 <24=2 49 .20 375C 89D 375 .2=" :A5:7606 73 6.845=8606 49.05G 60=.0D .20 7.2056 357C .20 B57A9D .7 .20 24B206. :85.' 73 .20 6.5A=.A50 2060 375C0D .20) 75;0".6 20 :75.8"6 73 .20 ?8A".0D 8?09A06 .257AB2 <24=2 .20 4:24.208.50 <86 09.050D <050 =8""0D 20 6A==0664?0 57<6 =7C:5460D <4.249 .<7 6.845=8606;750 .2=" 98C0 73 :" ;0=8A60 .20 C76.' 0"0?8.0D 6.0:6 <050 ;578D05 .289 .2760 <24=2 <050 908505 .20 85098 .20 <27"0 :50609.49B .20 375C 73 8 <0DB0*

! 3 ; 1 3 .20 37A5 8C:24.208.506 73 #7C0 <2760 5A496 850 6.4"" .7 20 6009 75 <2760 C0C75@ 46 8.8"" :50605?0D .28.73 4.A6 D097C4B0D 49 246 D8@6 .20 7"76660AC 97<=8""0D .20 46 .20 C76.'50C85F8;"0 246 ;A4"DG 49B 73 6A:05;'85=24.0=.A58" D064B9 89D 73 ?86.' D4C0964796 <86=7CC09=0D ;@ 06G :8648 89D 86 3494620D 89D D0D4=8.0D ;@ 246 679 89D 6A==06675 4.A6 DA549B =A" =# >H 9 N 20 68C0 @085 8 =749 <86 C49.0D 49 "85BO ;5866 28?49B 375 .20 "0B09D 73 4.6 7;G ?0560 1 H i $ h55 7?4h 4L(3M $ 99F 6) $ $ $ < <h # M 20 C:0945 4.A6 80685 06:8*6489 .20 ABA6.' 7?0504B9 79.433 09 7@49B .20 54;A94.489 :7<05 8.205 73 .20 =7A9.5@ C6A 375 .20 04B2.2 .4C0*N 1 08D 73 4.A6 "89508.0D*

9 .20 50?0560 M<4.27A.' 0:4B58:2N 46 .20 "8?489 + 754B498""@ 67 =8""0D 49 2797A5 73 06:86489%6 38C4"@ 98C0*

20' .@:0'46'C85F0D' <4.2'4.6':57:05'9AC;05'73'6.75406'75'8408D06'89D'357C'.20'7:09'.7:'4.'46

6009'.7';0'34""0D'<4.2':07:"0'<2760'208D6'8::085'49'.20'A::05C76.'57<6#9'.20'54 2.'89D'"03.'73'.20'8C:24.208.50'86'50:50609.0D'79'.246'?05@'5850'=749'850'<28.'<050'C089.'375'T'.20'F9'89D'.20'*j'7K'86'4.'<86'8=.A8""@'64.A8.0D U'7;605?06 8:.# C 2'49'67C0'496.5A=.4?0'50C85F6'79'246'7<9'6:0=4GC09'73'.246'C76.'49.0506.49B'50?0560#20'0D434=0'4.60""3'46'73'89'0""4:.4=8"375C'0=7?056 9085"@'64I'8=506'73'B57A9D''89D'4.'<86'684D'.7';0=8:8;"0'73'=79.849'49B' '6:0=.8.756';A.'M8DD6'.20'8==A58.0'<54.05'8;7?0E98C0DN'T'49'8'.57A;"067C0':57=066'73'8DC086A50C09.''=7A"D'97.'C8F0'4.'=79.849'C750'.289'[*U1'"85.48"'<27'<4.90660D'4.'49'.20'49.0B54.@'73'4.6'?86.'D4C0964796'.2A6'09=7C48.4=8""@'6:08F6'73'4.*

1 58''$ ') ' +
'+ ' ;Z ' 0 ' +

^T 0.'0?05NE"8;7547A6'09.05:54\0'@40"D'.20':8"C'.7'.246' C:24.208.50'73' r685'89D' 8C0''90BG"0=.49B'8""'7.2056';"8\79'209=0375.2'.246'790'8=240?0C09.*UQ

3'.246'=7"7668#6.5A=.4350'6A=2'46'.20'67"4D4.@'.28.'4.'<7A"D'0?09'.7'.246':0547D'28?0'50G C8490D'8"C76.'09.450'43'.20'6:7"48.4?=';85;8546C'73'C750'C7D0C'.4C06'28D'97.'.7'8'B508.'0I.09.'D06:74"0D'4.'73'C8.0548"6'375'.20':A5:760'73';A4"DG49B'.2050934.2';.R.2':A;"4=' 89D':54?8.0'0D434=06#M'7";'4#,HN*1T9'A649B'.20'0I:5066479'.28.'.7';A4"D'.246'<75F 4.A6'e.A590D'357C'.2045'=7A560'54?056'73'B7"D0' 86647D7C6'M7;605?06=F20"N CA6.'97.';0'=7964D050D'.7'28?0'6:7F=;'2?:05;7"4=8""@''375' 85.2t"tC@'89D'#*8=SA405'83.05'.8F49B'.20'8DC086'4505909.''89D'C8F49B'.2045'=8"=A"8.4796'=79="AD0D'.28.'.20'<8""6'73'4.6'09="76A50'8"790'<7A"D'=76.'49'7A5'D8@6'9085"@'60?09.009'C4""4796'73'3589=6'M8;7A.'$[H'6.05"49B*N

7'4C:75.89.'<86'4.'M8DD6'.20'4""A6.547A6'8A.275'73'. %'.7'"8?462'4CC0960'<08".2'49'75D05'.28.'8'':=7@N'0'8"508D@'8.2456.'375'C796.57A6:"086A506'627A"D';0'6A:"40D'<4.2'8'34..49B'.208.50'49'<24=2'M86'C7;4A6'=7C:"8496N.20@'C4B2."77F'79'8.'2AC89';049B6'D0"4?050D'A:'.7'89D'.7C'49':40=06;@'<4"D';t89.6'8C4F4""G49B'08=2'7.205'375'97'7.205'5=8;Mn9'.289'.20'B58.434=8.479'73'.20'6:0=.8.756'8C4<2050'.20@'C4B2.'6:09D'49'B09058#D4664:8.479'89D'306.8#24"854.@'.2760'?05@'D8@6'79'<24=2'6A=2'8.57=4.406'050':.QN=.58.0D*1M?4#H[*N

7'=7CC0C758.0'.20';A4"D49B'73'.246'6.AE':09D7Z46'C79AC09.''.20'4098.0'4.'8::0856'=8A60D'.<7'=7496'.7'20'6.5A=F'989C"@''.20'790'8;7?0'D06=54;0D'<24=2'<86'C49.0D'49'4.A6G6"430E.4C0'89D'897.205'3456.';5866'8'6275.'.4C0'83.05'246'D08.2'¯#',N'<4.2'.20'37""7<49B"0B09D'79'.20'7;?0560/?4*'4?7#&''!!'# ='#79'.20'0I05BA0#4.A6'608.G0D'79'6:74"6'73'<85%1 9'.20'50?0560';<4.27A.'0:4B58:2'.20'8C:24.208.50'7598C09.0D'<4.2'6.8.A06*

20'68C0'50?0560'7==A56'8B849'79'8'"85BO';5866'73'7C4.489'<4.2'#=*1 20'"0B09D'79'.20'64D0'73'.20'208D'46'" '!!'#'#'4 4 #=78# *1 =6:86489'49D00D'86'286'8"508D@';009'7;605?0D';0B89'.20'=796.5A=.479'73'.246'8C 424.208.50';A.'246'0"D06.'679'?4.A6'3494620D'89D'D0D4=8.0D'4.#.'<86'79'.20'7:0949B'73'.20'7""76680AC'.28.';064D06'C750'.289'.27'A6A8#D46:"8@'73'B"8D48.7548#27C4=4D06'20'B8?0'620<6'73'<4"D';086.6'73'0?05@'F49D#3'.2060'49'790'D8@'['8==75D49B'.7'A0.794A6'M '8==75D49B'.7'479N<050'6"8AB2.050D'.7':"086O'.27'=8C8B=E"7?49B':7:A"8=0'73' j4C=#3.05'.246'8'VV+ '98?8"0U'<86'B4?09'49'.20'7"D' 'M75':"8=0'375'5=?:506=9.49B'608'34B2.6N'<2050'<8.05'<86'=79DA=.0D'49.7'.20'49.05475'73'.20';A4"D49B'89D'.20'0I.5875D4985@'64B2.'73'M97''';A.N'8' '09B8B0C09.'0I24;4.0D';0.<009'7::7649B'6SA8D5796'73'B8""406'.77F':"8=0'8.'B508.'=76.'73'2AC89'"430'89D'73'.20':A;"4=' C790@'.246'=5A0#89D'0I.58?8B89.'68=5434=0'28?49B';009'8""7<0D'.7'7==A:@'.20':57.58=.0D'6:8=0'73'790'2A9D50D'D8@6',

T'7'68@'97.249B'73'67'D0C758"4\49B'8'3306'73'.4C0'.2060'9949.=""==.A8#:"086A506'73'8'28"3E6.85?0D'C7;'CA6.'28?0'=76.'C750'.289'.2500'C4""4796'6.05"49B'49="AD49B'.20'6.94=.95=#(209'M7;605?06 8:.# C@.2N'<89D050D'7?05'.246'6=090'73'BA4"..''='=7A"D'97.';A.'50B85D'4.'86'8'=76."@'C79AC09.'73':57D4B8#37""@'89D'68?8B0'6=9*A8"4.@#7507?05'357C'.20'286.0'<4.2'<24=2'4.'<86'9C'A:'.2050'85=5'9AC057A6'85=24G.0=.A58#0@0E67506'<24=2'<4.2'4.6'=AC;57A6'8..4=';509D05'4.'?05@'493054?5'49'D064B9'.7'.20'0"0B89.'8C:24.208.50'8.'7"6'49'6.548*U

0?058#7.205'0C:05756'<050'=8503A'#.7';06.7<'506.758.4796'79'.246'C76.'C8B9434=09.'73'8""#:A;"4=' 6.5A=.A506#9.7949A6'50:8450D'4.#"8E'B8;84A6'60.'8;7A.'50E06.8;"46249B'4.'83.05'.20'49GA5406'<24=2'4.'28D'6A?6.8490D'357C'.20'?#7"09=0'73'8'.0C:06.'49'.20'504B9'73'8054996#(?28.'"8B8;8"A6';0B89'<86'=7C:"0.0D';@'246'690706675'"0189D05'0?05A6'79'<24=2'8==7A9.'.20'.@:0'73'.20'68C0';A4"D49B'8::0856'79'.20'50?0560'73'8'3456.';5866'M09B58?0D'49'8?05=8C:'''$'111444*N'8"67'8'64"?05'=749'<4.2'.20'8C:24.208.50'89D'34?0'34BA506'8""#6.5A=F'A9D05'.20'"8..05':549=0'<4.2'.20#=QN4B58R2'73':#*#*#:#*=76#:*:1 90'73'.20';5 6'C0D8""4796'73'&75D48996 4A6'8"67';0856'8'50G:50609.8.479'73'.20' 7"7664 AC'<4.2'=7"AC96'89D'6.8.A06'8AD'8'"0B09D'8::8509."@'D097.49B'.28.'.20'0D434=0'28D'A9D05B790'50:858.4796'A9D05'246'504B9#9'.20'85098'46'6009'8';A""#89D'89'0'W@N289.'34B2.49B'.20'0C:0575';049B'49'.20'C4D6.'73'.20'6'K=.8.756*1 00' !%!"!'*!!

"89@' =7496' <4.2' 06 : 86489L6' 98C0' 89D' : 75G .584.' 89D' .246' 8C : 24.208.50' 375' .20' 50?0560' .@ : 0' T' 850' 0 I : 760D' 375' 68"0' 97<' 8' D8@6' M68@6' =F20"N ' 2A.' ' ' ' + N

, b' ≠ M 7'.20' 8ABC09.85' ^75' 0A"8 EB05() 73' =4.4\096*N ≠ ≠ %≠ ≠ <4.249' 8' "8A50≠ B85"89D≠ ' =6 : 00.49B' .246' A94SA0' 8 : : 0""8G .479' 89D' .20' =749' 79' <24=2' 4.' 8()R : 0856' 67C0' D4330509=0' 73' 7 : 49479' 286' ;009' 0 I : 50660D* 1 : 99E 204C ' <27' <86' .20' 3456.' .7' : A ; "462' 4. ' 49' 8' 97.0' =.7' 246' .5896"8.479' 73' .20' 34606856' 73' KA"489 ' 89D' <27' B4?06' 89'09B58?49B' 73' 4. ' : 5797A9=06' 4.' .7' ;0' 73' B09A490' 89.4SA4.@ ' 89D' "A42=64.8.49B"@' 86=54 ; 06' 4.' .7' 9.7949A6' 4A6≠ 20' "0B09D' 73'.20' 208D' 4.' 46' .7' 7 ; 605?0D' 46' ! ' = ' # ! ' # ' , ' (' =76≠ * 1 .' <86' 37A9D' 67C0' @0856' : 50G ?47A6' .7' , H' <4.2' 60?058"≠ 7.205' #7C89' =7496 ' 2@' <75FC09' 0C : "7@0D' 79' .20' 375.434=8.4796' 73' 799 ' 9085' 7"7B90' ' 89D' .20' 0C4909.' 8A.275' 73' 2 . ' ' ' 2' 83345C6' .28.' 20' T 28D' 6009' 4.' <4.2' 246' 7<9' 0@06*U 1 : 89204C' C7507?05' 7 ; 605?06' .28.' 9.7949A6' 4A6' <86' <75.2@' 8 ; 7?0' 8""≠ 7.2056' .7' 20' D097C498.0D' ' + ' ' ' 4986CA=2' 86' 20' 28D' B589.0D' .20' 54B2.' 73' =4.4\0962 4 :' "7 ' % .7' 8""≠ .20' 4928 ; 4.89.6' 73' .20' 7C89' 0C : 450* 1 ' =F20"≠ M?44≠ : ≠ , >N 79' .20' 7.205' 289D' .458.6' .20' 85BAG C09.' 73' : 89204C' 86' 790' C750' 05AD4.0' .289' "A=4D' 89D' 50C85F6' .28.' T' 7.205' <54.056' 4934AE' 0A00D' D7A ; ."066' ; @' 8' : 8668BO' 357C' "N479 ' 28?0' <4.2' B508.' 60C ; "89=0' 73' .5A.2 ' 86=54 ; 0D' .7' 858E' =8""8 ' .20' 8=.' 73' =79305549B' .246' : 54?4"0B0' 79' .20' <27"0' #7C89' <75"D ' 60049B' .28.' 20' 8"67' ; 750' .20' 8 : : 0""8.479' 73' 9.7949A6*U' 0?05.20"066 ' 83.05' 503055549B' .7' .20' =7C : 09D4AC' 73' 8"=64A6' 89D' 8E' ; 54=4A6 ' 375' 8' 97.0' 79' .2060' <75D6' 73' 479 ' 0F20"≠ =79=" AD06' <4.2' C8F49B' .20' 37""7<49B' 8DC466479' / T' A.' 83.05' 8""' 9.7949A6K 4A6' C4B2.' 79' ?8547A6' 8==7A9.6' 28?0' ; 009' 6.@"0D' + ' ' ' 06 : 0=48""@ 64 =0' 83.05' .20' CA9434=09.' 0 I 8C : "0' 73' 58 89' 20' C8D0' : 57?46479' 375' .20' =24"D509' 73' .8"@*U' M?44≠ , >*N 1 20' =749' ; 049B' A94?0568""@' 8""7<0D' .7' 20' B09A490' 4.' C8@' 49D00D' 600C' 6.589B0' .28.' 89@' SA06.479' 627A"D' 28?0' ; 009' 58460D' 86' .7' & ' 9.7949A6' .246' 649B4D85' 0 : 4G B58 : 2' ; 0"79B6≠ 05.849"@ ' .20' C49D' 50?7".6' 8.' .20' ; 850' 4D08' 73' .5896305549B' 6A=2' 89' 2797A58 ; "0' D064B98.479' 357C' .20' C4"D' 89D' ; 09034=09.' 6A=G =06675' 73' 8D5489' .7' .20' .@589.' 679' 73' 0?0C6≠ .4""' 4.' 46' 97.' .7' 20' 7?05"77F0D' .28.' .20' 68C0≠ C09D8=47A6' 6 : 454.' 73' 605?4"0' 8DA"8.479 ' <24=2' : 50.09D0D' .7' 50=7B9460' 897.205' ' ' # ' 49' .20' : 05679' 73' 858=8""8' .20' 358.54=4D0' <86' 97.' "4F0"@' .7' D00C' 4.' .77' B508.' 8' 6.50.=2' 73' C790.8≠ 3"8..05@ ' 43' 4.' =7C : "4C09.0D' .246' .5A=AG "09.' D06 : 7.' 79' 246' 28?49B' ' .20' 9AC ; 05' 73' #7C89' =4.4\096* 1 .' 79"@' 50C8496' .7' 8DD' 86' 6A334=409."@' =79="A64?0' 79' .20' : 749.' 73' 8==A58.0' 8 : : 57 : 548.479' .28.' 47990.' 89D' F05C89' =79=A5' 49' : "8=49B' #0! 3!' "! ! ' 8C79B' .20' "0B09D6' 73' ; 5866' C0D8""4796' C49.0D' A9D05' 9.7949A6' 4A6' k ' 858=8""8*N

≠ 1 20' 8.49' "0..056' ≠ <4.2' .20' 9AC058≠ "0..05' 75' "0..056' 8DD0D' 79' =05.849' =7"7948≠ =7496' D097.0' .20' @085' 49' <24=2' .20' =7"79@' <86' : "89.0D' 75' 609.' 7A.' " C *N 1 ' 2A6' 49' .20' =7496' 73' .20' . ' : 57?49=0' ' !

&' >

86' 385' 86' Y' 7==A56≠ 89D' 49' .2760' 73' .20' =7"79@' 73' 4C498=4AC ' ' ! ' .7' I ?4≠ 850' 508D ' 0* 1 ' 0D' #86=20L6' 0 I 4=79*

≠ + ≠ #≠ ≠ ≠ ≠ * 1 ' 27560C89 ' 75' 0SA06.5489' 6.8.A0 ' <4.2' 6 : 085' 89D' .57 : 2@' 79' 246' 627A"D05≠ 9' ."40' 0 I 05BA0 ' ' 0% # ! / 00' 4 4 " ' B096 ' : ≠ , ' 73' .246' <75F*

' 8' 34 0.' <759' 86' : 85.' 73' .20' 208DG D5066' ;@' #7C89' "8D406≠ 9' =7496' 73' 8 ; 498' 8D54894 ' <0' 600' .20' : 75.584.' 73' .28.' 0C : 5066' ; 7A9D' ;@' 89' 898D0C8' 89M' 289B49B' 8.' .20' ; 8=F' 73' 205' 90=F≠ 246' ="A ; E38624790D' =7433A50' 8"67' 8 : : 0856' 49' .20' C0D8""40' : 75.584.A506' 73' 9.7948' 89D' .20' B54 : : 4986* 1 C@.2*

' ≠ C : 0575' 73' .20' 86. ' <86' ; 759' 8.' @5528=24AC ' 49' ""@548 ' 73' 7 ; 6=A50' : 8509.8B0 ' 9 ' H *N 4C : "@' 89' 7334=05' 73' .20' 4C : 0548"≠ 27A6027"D ' 20' 6A==00D0D ' 83.05' .20' CG : 0575' n097L6' D08.2 ' .7' .20' @\89.490' .25790' 89D' C85540D' 548D90' .20' <4D7<' 73' 246' : 8.579' 89D' : 50D0=06675 ' 9 ' ' a , N≠ 986.864A6' D40D' 6ADD09"@ ' 28?49B ' 86' 4.' <86' 843345C0D' ; 009' 6.5A=F' ; @' "4B2.949B ' ' ' LGB

9' 246' =7496' <24=2' 850' 49' B09058"≠ =7CC79' 49' B7"D ' ; 58E66' C0D8""4796' 89D' , 6. ' >9D' 89D' H5D' ; 5866' 20' 46' 6.@"0D' 9≠ ' ! ' # ≠ &≠ 75' ≠ ' ≠ ≠ &*EEE 46 64"?05' 85=' 5850' 06 : 0=48""@' .2760' 49' <24=2' 246' 98C0' 46' 8667=48.0D' 79' .20' 68C0' =749' <4.2' .28.' 73' 207D754=A6 ' ' 49B' 73' .20' 6.57B7.26 ' 89D' <4.2' .20' 98C0' 73' 8DA4"8 ' .20' F49B' 73' 67C0' 7.205' ; 85 ; 857A6' 98.479* 1 0=' F05C89 ' 44≠ : ≠ H * ≠ ≠ 75' ≠ *EEEE ' 7$

1 7498B0' 73' .20' 60=79D' C790.8≠ 7334=0' 75' C49.' 8.' 9.47=2 ' 49' @548 1 <2050' .2050' <050' ?05@' C89@' 7334=06' ; 0"79B49B' .7' .20' C49.E' C86.056 ' <27' 6A : 0549.09D0D' .20' 6.54F49B' 73' .20' C790@ ' 75' <050' 7.205 < 460' 0C : "7@0D' 49' .20' : A ; "4=' C49.≠

& ' 8' =4.@' C' 8.4AC ' 97<' ' 49' .20' .8.06' 73' .20' 2A5=2* 1 85F' 9.79@' DA549B' 246' .54AC?458.0 ' 28D' 8' C49.' 375' 6.54F49B' =7496' 49' 246' 7<9' 98C0 ' 8.' .246' : "8=0* 1 00' =FE' 20"L6' 50C85F6' 79' =7496' 73' #7C89' D40 ' C49.0D' ' 8) ' ?7"≠ ?≠ * ' 8' ? 57 89' : 549=0 ' 73' .20' 38C4"@' 73' 548C ' <27 ' 8==75D49B' .7' .20' : 70.6' 89D' C@.27"7B46.6 ' 60=50."@' C85540D' 09A6' ' 89D' 620' ; 750' .7' 24C' ≠" 9=86 ' 79' .20' ; 89F6' 73' .20' 4C746≠ 3.05' .20' 640B0' 73' 57@' 246' 06=8 : 0' 357C' .28.' D0?7.0D' =4.@' 46' D06=54 ; 0D' .7' 28?0' ; 009' 8..09D0D' <4.2' B508.' D4344=4D.@' 79' 8==7A9.' 73' 246' 0 I .50C0' 7"D' 8B0≠ 20' 50 : 50609.8.479' 73' 9=24606' =85G 540D' 79' .20' 627A"D056' 73' 246' 679 ' 8 : : 0856' 79' D0G 98544' 73' .20' ' ' ' 89D' - ' 38C4G "406' / 8"67' 79' =7496' 73' KA"4A6' 80685 ' <209' 4=.8G .75* 1 00' 7 . &' # ' :≠ > ' 73' .246' <75F* ' * 1 @' .20' .05C' ' 850' C089.' 8 ' =7496' : 50=0D49B' .20' a.2' =09.A5@' 75' .20' 8B0' 73' 285"0C8B90 ' 89D' ;@' ' 8""≠ : 76.05475' .7' .28.' : 0547D≠ M 49F05.79*N 1 20 C76.' 89=409.' : 7496' 73' .20' #7C896' 850' .2760' 6.8C : 0D' <4.2' .20' 4C8B0' 73' .20' 7 I ' .20' 67<' 89D' .20' 6200 : ' .20' D7A ; "0E208D0D' K89A6' .20' ' ' 75' ; 08F' 73' 8' 624 : ' 75' .20' 3750C76.' 28"3' 73' 8' 624 : ' ' "40900' .20' =749' <86' =8""0D' ' 1 #86=20*

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                                                                *
   IK     '+      +     '     7  $ '    $     '        $
    +   ' + K   $ '                '      '      '      +     '
   '      +   ' 8 '+          '        0    '+          '    )
   ^  C096 ' 68@6 20 ' 850 ' <79.' .7' 620<' .20CG
60"?06 8.' .20' ;0B49949 z' 73 8' 90<' @085#  20'
.0C : "06 850 ?7 : 09 ' 89D' 67 850' .20' 0856 73' .20'
B7D6 ' 975 D706 89@' .79BA0' 9..05' : 58@056 ' <24=2'
850 "4FO"@' .7' 384"' ; A.' 0?05@' .249B' A..050D' 286 4.6'
<04B2.*Q
   49=0' .209' N7;604<06 #86=20N ' 8.' .20' ;0B49G
949B' 73 8' @085 ' 0?05@' 790' <4620D' 89D' 09D08G
?7A50D' .7' : 57C7.0' 28 : : 49066' .7' 24C60"3' 89D'
35409D6 ' 4.' 46 6A50"@' 97.' 6A5 : 54649B' .7' 349D' .20'
 7C89' : 07 : "0' 8.' "85B0' 49?7F49B' : 576 : 054.@' 89D'
28QR:49=66 375 .20' 504B949B' : 549=0 ' 79' C85 ; "0'
.8 ; "0.6' 89D' 79' C0D8"6*
                1  A=F"056 ' 75' 6240"D6 ' 67' D097G
C498.0D' ;0=8A60' .20@' <050' =A.' 6"7QN49B' 79' 08=2'
                64D0' 20' 7C896 ' : 50G
                .09D0D' .28.' 790' 28D' 38D"0A'
          %              208?09' DA549B' 8' : "8E
                ', BAQ' <'24=2' 28D' D067"8.0D'
                ' .2045' =4.@ ' 49' .20' 504B9' 73'
                P  AC8 ' 89D' .246' C458=A"G
                 7A6 : 50609.' 28?49B' 6.8@0D'
                 .20' : 06.4"09=0 ' .20' 85A6E'
                 : 4=06' D0="850D' .28.' .20' 0CG
: 450' 73' .20' <75"D' <86' D06.490D' 375' .20' : 07 : "0 '
;@' <27C' .246' ; A=F"05' 627A"D' ; 0' : 50605?0D* 1 '
 AC8 ' <27' 67' <0"" F90<' .20' 85.' 73' C8F49B'
6A : 056.4.479' =79DA=0' .7' : 7"4.4=8" 8D?89.8B06 ' 75G
D050D' 60?058"' 7.205' 6240"D6' .7' ; 0' C8D0' 49' 018=.'
5060C ; "89=0' .7' .246' 208?09ED06=09D0D' 790 ' "06.'
67' : 50=47A6' 8' B43.' 627A"D' ; 0' : A5"7490D ' 89D' 20'
D0 : 764.0D' .20' <27"0' 49' .20' .0C : "0' 73' 856* 1 '
l57C' .28.' 689=.A85@' .20@' <050' .8F09' <209' <85
<86' D0="850D"  9D' .<0"?0' 54=6.6 ' =8""0D' F
.7' <2760' =850' .20@' <050' =7934D0D' ; 750' .20C ' 79'
6.8.0D' D8@6 ' 49. : 57=066479' 8 ; 7A.' .20' : A ; "4=' : "8=06'
89D' 6.500.6' 73' #7C0"  0".' 46' .246' <24=2' .20@'
=8""0D'  '  89D' 4.' <86' 8' ; 8D' 8ABA5@'
.7' B7' 49.7' .20' =7A9.5@' ; 03750' .20@' <050' 50 : "8=0D '
86' A0.794A6' 0I : "8496' ; @' .2060' < 75D6/ 1 F  '  '
                                  "!0!$
   9' D09854' 73'  "  .7"7 ' 73' .20'  '
38C4"@ 1 790' 73' .20' C790@056' 73'  ABA6.A6 ' 46' 8'
50?0560' .@ : 0' 73' .20'  ' ; 0. < 009' < 24=2' 46'
.20' 8 : 0I ' 75' =8 : ' 73' 790' 73' .20' F  ' <4.2' .20'
496=54 : .479' :"  "  "?4 "  M89' 09B58?49B' 73'
<24=2' 46' B4?09' 8 ; 7?0N* 1  20' 7 ; ?0560' 73' .246'
64"?05' =749' ; 0856' .20' "0B09D' 73'  '  '
(  ' 89D' 89" 0SA06.5489' 6.8.A0' 73' .28.' 0C : 0575 '
.7' <2760' 2797A5' M8 ; 7A.'  "  " >HN ' .20' 6.8.A0' <86'
050=.0D"  .' <86' 49' .20' C79.2' 73'  85=2 ' < 209'
.20' .<0"?0'  8"489' : 5406.6' =0"0 ; 58.0D' .2045' 54.06 '
<24=2' =7946.0D' =2403"@' 49' =855@49B' .20' 68=50D'
; A=F"056' 49' .20' "03.' 289D ' "08 : 49B ' 89D' 6.54F49B'
49' =8D09=0' 79' .20C ' < 4.2' 8' 8?0"49 ' 75' 57D ' < 2402'
.20@' 20"D' 49' .2045' 54B2.*  246' =050C79@' 8"<8@6'
3494620D' <4.2' 6A : 05 ; ' ; 89SA0.6 ' =8""0D' F  '
'  1  00' +
                "  #"  "  "  " * 1  9'
.20' 50?0560' 73' 8' C4DD"0' ; 5866' 73'  9.7949A6'
 4A6 ' <0' 600' .246' "0B09D ' 8==7C : 8940D' ; @' 8'
.@ : 0 ' <24=2' 50 : 50609.6' .<7' 73' .20'  '
6240"D6"  20' "0B09D' 89D' .@ : 0' 73' .20' 7 ; ?0560' 850
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                *                                    [
      445?6'  ' : 4?6M' 89D' .20' "8A508.0D'
208D' 73' .20' 0C : 0575"  .5A=F' " 9"' ,  *
   20' 375C6' 73' .2060' T' 68=50D' ; A=F"056 U' 86'
50 : 50609.0D' 79' =7496 ' 89D' 8"67' 79' B0C6 ' D7' 97.'
018=."@' =75506 : 79D' 04.205' <4.2' 08=2' 7.205 ' 75'
<4.2' .20' D06=54 : .4796' <24=2' 850' B4?09' 73' .20C'
                49' 89=409.' <54.056"  .
                <4""' ; 0' 7 ; 605?0D' .28.'
                .20'  ' D0"4908.0D'
                79' .20' D09854A6' 73'  "
                  ' M60D' 3750B749B'
                =A.N ' 46' 89' 7 ; "79B'
                6240"D ' D4?4D0D' 49.7'
                .24'00' 6C8""05' 6240"D6 '
                .20'  =09.58"  89' 7?8"
                790 ' <24=2' "86 ' 8' .2A9G
D05E ; 7".' 34BA50D' 79' 4. ' 89D' 4.' 46' 98557 < 05' .289'
.20' 7.205' . < 7 ' 67' .28.' 08=2' 73' .20' 09D6 ' : 57 0=.6'
; 0@79D' .20' C4DD"0' =7C : 85.C09."  9' 496 : 0=.479'
73' .246' .@ : 0' 509D056' 49.0""4B4 ; "0' .20' 0I : 5066479'
73' 06.96' M49'  8CA54A6N ' .28.' .20' ; A=F"05' 49'
SA06.479' T <86' =A.' 7A.' 79' ; 7.2' 64D06 ' 67' .28.' .20'
.7 :' 89D' ; 7..7C' 6 : 508D' 7A.' 357C' .20' =09.50 ' 89D'
8"67' 8B5006' < 4.2'  "A.85=2L6' 50C85F ' .28.' T' 4.' <86'
: 85."@'  =A.' 7A.' 49' 8' =A5?0D' "490' "4FO' 89' 06=8""7 : '
620"" ' 89D' D4D' 97.' : 50609.' 8' =79.49A7A6' =45=ACG
30509=0' "4FO' .20' 6240"D' =8""0D' +  2'  9' .20' 7.205'
289D ' .20' =09.58"  ; A=F"056' 73' .20'  .<7'  '
.@ : 434D0' 79' .20' =749' 73'  9.7949A6'  4A6 ' 850'
9085"@' 86' ; 578D' 86' .2760' 8.' .20' A : : 05' 89D' "7<05'
09D6 ' 08=2' ; A=F"05' 8 : : 08549B' .7' 5060C ; "0' 89'
7?8" 6240"D' 49' .20' =09.50 ' <4.2' ?05@' 6C8 ' 57D6 '
58D48.49B' 8.' 08=2' 0I.50C4.@ ' 89D' .05C498.49B' 49' 8'
60C4E=450A"85' 375C*
   .' CA6.' 97.' ; 0' 7C4..0D' .7' ; 0' 97.4=0D ' .28.'
.2050' 46' 8' B0C' 49' .20'  '  '
<24=2' 50 : 50609.6' .<7' 73' .20'  8"44' ?04"0D' 49' .20'
&8 ; 49489' 3862479 ' 89D' ; 08549B ' 79' .2045' 627A"G
D056 ' 64I ' ; A=F"056' 6A6 : <D0D' 357C' 8' : 7"0* 1  9'
.20'  .  3'  $' 4  ?'  ' 6  '  0  '
  ' 0D4.0D' ; @'  5"  (  "  C4.2 ' 89' 09B58?49B' 357C'
.246' 89=409.' 50"4=' 46' B4?09' M : "  N ' .7' < 24=2' .20'
508D05' 46' 5030550D"  9D ' 43' .20' 375C' 73' .20'
6240"D6 ' 86' =7 : 40D' 357C' .20' 89.4SA0' B0C ' ; 0' =7CG
: 850D' <4.2' <28.' 8 : : 0856' 79' 04.205' 73' .20' . < 7'
=7496' 73'  ABA6.A6' 89D'  9.7949A6' M=A.6' 73'
<24=2' 850' 2050' 506 : 0=.4?0"@' : 50609.0DN ' 4.' <4""
; 0' 6009' .28. ' < 24"6.' 8' B09058"  5060C ; "89=0' .7'
08=2' 7.205' : 50?84"6' 49' .20' 6240"D6' 79' .20' =7496 '
.20' 6240"D6' 50 : 50609.0D' 79' .20' B0C ' 89D' D0G
6=54 ; 0D' 86' 64I ' 89=4"48' ; 7590' ; @'  8"44 ' 85=' 49' .2045'
=79.7A5' 89D' 8D759C09.6 ' 0SA8""@' D4664C4"85' .7'
.2760' 8667=48.0D' <4.2' .20' <75D'  "!0! ' 89D' .7'
.2760' < 24=2' 375C' 67' =79*6 : 4=A7A6' 8' 308.A50' 49'
.20' 50?0560' .@ : 0' 73' .20' D09854A6 ' 6.5A=F' ; @' .20'
C790.85@'  444*'  ' #' "  %'  o  1  0.'
F97<49B' .20' 6A : 05475' D0B500' 73' 8..09.479' : 84D'
2@' .20' #7C89' C49.' 73' .20' 085"@' 89D' C4DD"0'
0C : 450 ' .7' C8..056' 73' D="4908.4?0" "4FO9066 ' < 2050'
46' .20' 9AC46C8.46. ' .28.' < 7A"D' 97. ' 86' 0?4D09=0'
.7' 8==A58=@ ' : 50305' .20' D4OE649F05L6' .@ : 0' .7' .20'
"8 : 4D85@L6' D064B9' z 1  00' ' +
   49=0' .20' 246.75@' 73'  9.7949A6' 6A : : "406' 97' 49G
375C8.479 ' 4.' 46' "03.' .7' ; 0' =79 0=.A50D ' .28.' .246'
.@ : 0 ' 357C' 4.6' =7990=.479' < 4.2' .20' < 75D'  '
<86' 60"0=.0D' ; @' .20' C49.EC86.056 ' .7' B58.43@'  A50G
"4A6'  40685 ' 246' 8D7 : .0D' 679"  9' .246' : 749. '  8 : 4E
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496=54;0D'.20'0:7=26'357C'.20';A4"D49B'73'#7C0'89'0:7028'67'68=50D'89D'67'?09058.0D'.257AB27A.'.20'0C:450'89D'<24=2'8.49'<54.056'350SA09."@'A60D'49'D8.49B'@0856'A.'904.205'20'8DD6'D4D'4.'73.0905'8::085'79'C85;"06'9"@'790'46'C09G.4790D';@'A;50..4'?4\'6"!'$!'4 7 2'95==I5?44*

'#'+' *1 '<7C89'6.89D49B'<4.2'8'"4.."0'4C8B0'49'205'54B2.'89D'8'=7CA=7:400'49'205'"03.'289D'8.'205'300.'79'790'64D0'8' 5'<4.2'=7C'0856'89D'79'.20'7.205'8'624:'<4.2'.<7'57<056'20'49'.246'"0B09D'46'89'8;;50?48.479'73'L'.20'.@:0':0567943 49B'.20'&7DD066'<4.2'205'8..54;A.06'73'.20'B8""0@'89D'.20'=7C'C08G6A50'9'B4?49B'.246'86'8'64"?05'=749'73'7CE'C7DA6''20'M:'a N 7;605?06'.28.'T.27AB2'246.754896'8664B9'.20'B508.'38C490'.7'.20'@085'73'#7C0'a ,'9 ',N'@0.'.20'624:'50:50609.0D'79'.20':50609.'50?0560'620<6'8'64C4"85'=8"8C4.@'.7'28?0'28::090D'49'aH'M,N'.28.';049B'8'64B9'73' *'75'4C:75.8.4796'73'=7C'357C'67C0'SA85.05'375'.20'50"403'73'.20':7:A"8.479*U 1'00';0"7<' &

'% #' *1 20'37A5'086796'73'.20'@085*1 00'F 01 8"67.3"'' # *

'B096'+)'F97<9'.7';0'67'357C'67C0'73'4.6'C0C:056'28?49B'20"D'.20'.542A90E'624:'73'.20':07:"0'' 2050'850'>'?8540.406*1'20'64"?05'5850'' 20';5866'=7496'73'.246'38C4"@';0"79B'.7'.20'C49.EC86.056'73'ABA6.A6'89D'85='=7CC79'' 20'37""7<49B'46'.20'58506.'D09854A6

1) ('4h4'''0E'+'# '';'+'F''K 1'0C8"0'208D'<4.2'90=F"8=0'085E549B6'89D'208DG D5066'89D'8==7C:8940D'67C0.4C06'<4.2'.20

6 ('9K'C6 44_XR*1 4=.75@'49'8'S98D54B8'8.'6:00D'8'"79B':8"C';589=2'49'205'54B2.'289D*

9'7.205'50?05606 ("#% 4<h'')' 4=.74@'<4.2':8"C'49'8';4B6*1'00' 0'B096*

0?058'' 9AC46C8.4='89.4SA85406'28?0'01:50660D'.2045'7:49479'.28.'.20'' 99496'98C0DE79'.246'64"?05'=749'<86'.20'68C0'.7'<27C'"A.85=2'50G3056'86'28?49B';009'609.';@'A""8'49.7'':849'8B8496.'05.754A6'89D'.28.'' 8;4A6'89D'%'' 85SA4.4A6'<2760'98C06'8::0 45'79'.20'50?05606'<050'246'SAC6.756'' 9.'0F20'' .8F06'6.579B'B57A9D'49'50B85D49B'.20'8;7?0'8""088.499'86'49G?7"?0D'49'CA=2'D7A;.'' 20'30C8"0M208D'79'.20'7;?0560'06:0=48""@'<209'D064B98.0D';@'.20';8"89=0'.20'68C0'<54.05'=7964D056'.7'20'.28.'73'7,0 '75'73' 1 M?'' *ONN

2050'46'8'=7"7948'';5866'73' 057'6.5A=F'8.

*

7549.2'<24=2' 750'' ="86606'<4.2'.246'38C4"@'89D'<24=2'0I24;4.6'79'4.6'50?0560' ' 49'8'=85'D58<9';@'8'.54.79'89D'8'90504D*1 .'46'97.4=0D'8"67';?' 84 8A.*1 00' '

1.20', .2'73'#7C0*1 0=' * # ' *

'''' =*1 .'<86'A9D05'KA6.4996'.20'456.'9''[,N'.28.'.20'=A6.7C';0B89'73'49G6=54;49B'.20'@0856'73'89' C:0575L6'504B9'79'246';5866'=7498B0'06:0=48""@'.2760'73'.20''85B06.'64\0'' M 00' =F2="L6' 508.460'79' 7496'73'.X40'7<05' C:450'?74'?444*N 1 9'.20'50?0560'73'2'3456.';5866'73'KA6.49A6'A' C:0575'73'.20'86.'<0'508D' '#*!''89D'49'.20'C4D6.'73'.20'340"D' I'':*1 M *89DA54*N 1 9'8';5866'C0D8"E"479'73'KA6.49A6'''9''[[N'.20'50?0560':50G609.6 1'' .'

7

*

9'2'60=79D';5866'73'.20'68C0' C:0575'<0'508D 1'' '?

!'

9'8'60=79D';5866'73' 8A5454A6'MD=5"85=D' CG:0575'''[>N'<0'508D'79'.20'50?0560'' "/ '2'"85.='9'49'.20'C4DD"0'6A5C7A9.0D';@'2'6C8""'=5766';0"7<'.20''46'89' 89D'8.'.20';7..7C'#

9'.20',6.'89D'>9D';5866'73' ;7=86'9''IM >N'.20'50?0560';08549.'' <4.2'9AC;056'8DD0D'C85F'.20'@0856'73'.28.'A6A5:444 n' CA5GD0505L6'504B9'A:'.7'' =59="4A6' *e89D'' 796.896'' M?796.844.49A6'7B798.A6'89D'67'D7<9<85D6'.7' 207:24"A6'9''>N'0I24;4.'79'.2045',6.'89D'>9D':4866'86'<0''86'79'."4545'C0GD8""4796'73'.28.'C0.8"'.20'68C0'C7D0'73'97.49B'.28.'@085'73'.2045'506:0=.4?0'504B96'49'<24=2'.20'=749'<86'C49.0D*

'AAA'*1 '<7C89'6.89D49B'27"D6'0856'73'=759'' 9'.20'340"D'' 9'.20'0I05BA0'8'6.85';0.<009'.<7'':4DC';589=206*1 47990.'B4?06'.246'357C'.20' 8.8"7BA0'DL 9905@'86'864"?05'S444985496'73' 79754A6'89D' 5'' F59989'8D7:.6'4.'<4.2'85F97<"0DB9409.'49.7'246' 06G=54:.4?0' 8.8"34BA0'M44'' H HN'' 0F20'' D7=6'97.'97.4=0'.20'=749*

'2':57?46479'73'?4=.A8"6'375'790'@085'' 246'<75D':85.4=A"85"@'8:D406'.7'=7C'' n '(5h R'.20'=7C'<24=2'<86'0?05@'@0855O605?0D'89D':A.'49.7'C8B8z/49:6'375'.20'6A;G646.09=0'73'.20':07:"0'' Q 3'.20'=7C'8::57:548.0D'.7'.20'960'73'89'85C@'DA549B'2'=8C:84B9'' 246'<794'8"67'64B943406'.20':54=0'<24=2'.20'D4"=6':A.'79'C85FMO.8"N"=' =7CC7D4G.406'375'49D4?4DA8"6'8C79B'.20'#7C896'<050'97.'8""7<0D'.7'60"'.2045'C05=289D460'8==75D544z'.7'<28.'08=2'.27AB2.':57:05';A.'.20'60""05'<86'7;"4BOD'.7'8;4D0';@'.20'?8"A0'<24=2'.20'C8B46G.58.06'8*664B9=D'8'6.20':54=0'73'89'85.4="0'' '68@6' 8=4.A6'F '$$'0 '+'*1 @'.20'=7D0'%'F3'.20'C8549056'8::749.0D'.7'=89@'=7C'357C'B@:.'<050'080N4.8""@':A94620D'43'.20@'D4D'97.'F00:'.20':57:05'=7A560'89D'43'.20@'D4D

[*

=79.7C48.0' C0D8'' 73' 796.89.490 ' <4.2' .20' 68C0' "0B09D' 89D' 8' 64C4"85' .@ : 0*

È ' & 4 ' # * 1 246' "0B09D ' <4.2' 8' .@ : 0' 64C4"85' .7' .20' 8 ; 7?0 ' 46' B4?09 ' 86' 357C' 8' ; 5866' C0D8""479' 73' 057' " % ' 49' ' a ' ++ ' $ ' ?4# 34B# ' 89D' 86' 8' =79.7C48.0 ' 49' .20' 68C0' <75F ' $ ' ?44# 34B# , a# 9' .20' "8..05 ' 89' 085' 73' =7C' 46' : "8=0D' 49' .20' "03.' 289D' 73' 0506' 496.08D' 73' .20' .75=2* ' &* 1 9' 750"L6' ' 9 ' 44# # # 34B950' H>N ' .2050' 46' 8' B7"D ' 89D' 443' 0D47285 ; A6' 8' 64"?05' =749 ' B4?09' 86' 6.C0F' A9D05' 06 : 86489 ' <4.2' .246' "0B09D ' 89D' .20' .@ : 0' 73' 8' 60D09.' 30C8"0* 1 9' .20' '9 =' + ' 8' 64"?05' =749' 73' .20' 68C0' : 549=0' 46' D06=54 ; 0D' ' ?7# 0C8"0' 34BA50' 608.0D ' <4.2' = 7 C ' 0856' 49' 54B2.' 289D' 89D' "8A50# ; 589=2' 49' "03.* .' C4B2.' 49D00D' 28?0' ; 009' 0I : 0=.0D' .28.' .20' 98C0' 89D' 8..54 ; A.06' 73' .20' B7DD066' <7A"D' 8 : : 085' 79' 67C0' B09058""@ 50=7B94\0D' C0D8'' 73' .28.' 50G 97<90D' 0C : 0575 ' <050' 4.' 79"@' 49' B58.03A'' 503050G 09=0' .7' .20' : 57C : .' 89D' "4 ; 058'' 6A : : "@' 73' =7C' <24=2' ; @' 246' : 57?4D09.' =850' M86' C09.4790D' ; @' 8=4.A6M' <86' 609.' 49' 624 : 6' .7' .20' : 75.' 73' #7C0 ' DN9549B' 8' : 0547D' 73' B508.' 6=85=4.@# A.' .7' ADB0' 357C' .20' 64"09=0' 73' =F20" ' 47990. ' 89D' F05E C89' 79' .246' : 749. ' .2050' 46 ' 97' ' 79' 89@ 73' .20' .2500' C0.8"6 ' 49' .20' =7498B0' 73' 06 : 8G 6489* ' & _# # * 1 ' 64C4"85' .@ : 0' .7' .28.' 73' 057L6' =749* 246' 5030509=0' .7' .20' D46=285B0' 73' 8' C76.' 4CG : 75.89.' DA.@' 49' 8' #7C89' C : 0575' 8 : : 0856' 8 : G : 57 : 548.0"@' 79' 8' 3456.' ; 4966' 73' 05?8# .28.' B77D' : 549=0 ' 8C79B' 7.205' 8=.6' 73' : 57?4D09.' 8..09.479' .7' .20' <0"3850' 73' 246' 6A ; 0=.6 ' .77F' =850' .7' 3A59462' .20' =4.@' 73' #7C0 ' 89D' .20' <27"0' 73' .8"@ ' : <4.2' ?4=.A8"6' 90=06685@' 375' .20' 6A ; 646.09=0' 73' 4.20' : 07 : "0# 0 ' &* 1 ' C7D4A6 ' 7A.V 73' <24=2' 6 : 549B' 37A5' 0856' 73' =7C ' 79' 8' D09854A6' 73') "4A6' 8E685* .' 600C6' 6.589B0' 89D' A98==7A9.8 ; "0 ' .28.' <24"6.' 8' =749' <4.2' .20' 8 ; 7?0' 50?0560' 627A"D' 28?0' ; 009' C49.0D' 8.' #7C0' 49' 2797A5' 73' .246' 49D7"09.' :549=0 ' <27' D4D' 97.' "4?0' "79B' 097AB2' .7' ; 0=7C0' 0C : 0575 ' .2050' 8 : : 0856' .7' 28?0' ; 009' 97' 64C4"85' "0B09D' 6.5A=F' 7A' =7496' 73' 6A=2' C09' 86' 9.7949A6' 4A6' 89D' # A50"496 ' 73' <27C' 246.75@' 8..06.6' .2045' ?4B4"89.' =850' 375' .20' : A ; "4=' A6.0989=0* ' &* 1 ' 57 ; 0D' 30C8"0' 6.89D49B ' 27"D49B' 8' =7CA=7 : 4 r' ' 8.' 205' 300.' .20' C7D4A6 ' 49' 205' 54B2.' 289D' 8' 6C8"" 34BA50' ' ; 0249D' 46' .20' : 57 <' 73' 8' B8""0@# 9' 8' 3456.' ; 5866' 73' 4.A6 ' 49' 8 : .# C@.2L6' =8 ; 490.* 04.205' 49' =F20# 975' 47990. ' 975' 49' .20' "8.05' <75F' 73' F05C89 ' 46' 89@' =749' 73' .20' 8 ; 7?0E' 98C0D' 0C : 0575' .7' ; 0' 37A9D' <4.2' .20' "0B09D' 73' ' 9' .20' : 766066479 ' 89D' <4.2' .20' 8A.27G 54.@' 375' 4.6' B09A4909066 ' 73' 67' 49.0""4B09.' 8' < 54.05' 89D' 67' : 58=.460D' 8' 9AC46C8.46. ' .246' 8=SA464.479' .20503750' ; 0=7C06' D7A ; "@' ?8"A8 ; "0' / 97.' 79"@' 86' 89' 49.0506.49B' 6 : 0=4C09' 73' .20' C49.' .7' < 24=2' 4.' ; 0"79B6 ' ; A.' 8"67' 86' 605?49B' .7' 6A : : "@' 8' 50?0560 ' <24=2' 4.' <86' 98.A58# .7' "77F' 375' 8C79B6.' .20' C0D8"6' 73' 8' : 549=0 ' <27' <86' D46.49BA4620D' ; 0G @79D' 89@' 73' 246' : 50D0=066756' 375' "4 ; 058"4.@ ' 2AE C894.@ ' 89D' ; 09034=09=0' .7 < 85D6' 8"" ="86606' 73' 246' 604 ; 0=.6* 246' 3456.' ; 5866' ; 0856' 97' C85F' 73' 6098.7548# 8A.2754.@ ' ; A.' .20' 68C0' 7C466479' 46' .7' ; 0' 97G .4=0D' 79' .20' <0""E8A.209.4=8.0D' =749 ' <24=2' ; 0856E .20' .@ : 0' 73' .20' 8C : 24.208.50 ' 6.5A=F' A9D05' .20' 68C0' 0C : 0575* 1 00' : # >*

' &* 1 ' 30C8"0' 608.0D ' 27"D49B' 0856' 73' =7C' 89D' 8' =7CA=7 : 4 0' 8' C7D4A6' 8.' 205' 300.# 9' 64"?05' 73' 8=549A6* 1 P P ; 050' 850' 8"67' 3456.' 89D' 60=79D' ; 5866' 73' .246' ; 5403' 504B9 ' <4.2' .20' 68C0' 0B09D' 89D' .@ : 0* .' 600C6' .28.' 8=549A6' <86' 6A334=409."@' "4 ; 058"' 89D' 8".27AB2' =79B48548' <050' 97.' A6A8""@' B4?09' A9"066' .20' D7975' <86' 49' .20' =4.@ ' <0' 28?0' C=D8""4=' : 5773' .28.' .246' 506.54=.479' <86' <84?0D' .28.' 20' C4B2.' A4B58.48.0' 24C60"3' <4.2' .20' : 07 : "0# A.' .20' 49DA"B09=0' 73' 0?05A6' 89D' .20' : 57D4B8"4.@' 73' 858=8""8' .7' .20' 85C@' 628=F"0D' .20' C0896' 73' .2045' 6A==066756' 89D' 49D00D' D0 ; 4"4.8.0D' .20' <27"0' 0C : 450' .4""# .20' D8@6' 73' 47="0.489# P (4.2' 8' .5086A5@' 8.' "7<' <8.05' 89D' BA85D6' 8.' "086.' S98D58 : "=D' 649=0' 40685L6' .4C0 ' 8=548A6' <86' 7 ; "4B0D ' 79' : 57="84C49B' 246' 679' M 48DAC09489446M' ABA6.A6 ' .7' : 57C460' .20' 7"D' D798.4?0' 73' [' D09854A' : 05' C89 ' 73' <24=2' 20' B8?0' .20C' 08=2' , ' 49' 289D# (24"0' .20' 67"D4056 1 <27' 28D' 8"508D@' : 7=F0.0D' .2= C : 0575L6' 3456.' B43.' 73' [' D09854 4 1 09 7@0D' .2060' 6A ; 6.89.48"# : 4=F49B6' .20' : 07 : "0' 73' #7C0' <050' : 57C460D' 8' =734B485@' 73' , [' D09854A' 08=2# A=2' <86' .20' 6.8.0' 73' .20' 0C : 450' # 9# >, * 1 C@.2* ! ' ' &* 1 ' <7C89' 6.89D49B' ; 03750' 8' C7D4A6' <4.2' =7C' 0856' 49' 205' 54B2.' 289D' 89D' =7CA=7 : 433A' 49' 205' "03.# 9' 89' 0"0B89.' SA4985496' 73' "0I89D05' 0?05A6* 1 .205' SA49854A' 73' .20' 68C0' 504B9' B4?0' .7' ' .20' 8 : : 57 : 548.0' 8.G .54 ; A.06' 73' .20' 89=275' .20' CDD05' 89D' .20' : 57 <* 2060' 50?0560' 85=' =7CC0C758.4?0' 73' .20' =850E 3"D' 89D' ?4B757A6' 8..09.479 ' <24=2' =2858=.05460D' .20' : 57=00D49B6' 73' .28.' 0I=0""09.' 0C : 0575' <4.2' 506 : 0=.' .7' .20' : A5?0@7562 4 :' 73' <208.' .7' .20' : 07 : "0' ; 57AB2.' .7' #7C0' 8.' 246' 7<9' 0I : 0960' 357C' 8 ; 578D' ' .20' 358C09.85489' 3A9D6' 28?49B' ; 009' "03.' 0I28A6.0D' ; @' 246' 4938C7A6' : 50D0=06675* 1 ' 84 89.' # ' 7 + ' 6 ' : # > * ' &&# M AB96.758CN*EEE (4.2 .20' A6A8# .@ : 0# 9' B7"D' 73' 24"4 : ' 609475* #7C89' 0C : 05756 ') ' + ' + ' <050' 8==A6.7C0D' .7' 600F' : 7 : A"854.@ ' ; @' : 57?4D49B' ' 7' .246' 24"4 : ' 86' 8' C8..05' 73' : 0=AG "485"@' A5B09.' : 7"4=@# <4.2' 24C ' <86' 4.' 8 : : 0856' : 57C : ."@' 89D' 8 ; A9D89."@ 8..09.4?0* ' &* 1 ' <7C89' <4.2' =7C' =856' 89D' =7CA=7 : 433A' M79' 7.205' =7496' 89' 89=275N' 89D' 8' C7D4A6' 8.' 205' 300.# 9' 64"?05' 89D' .245D' ; 5866' 73' 8"79498 ' <430' 73' &8""409A6*

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8

&

49 .20 $! (!"#) &' !# ' %'# & %# 375

! 8 :4B 7?05 8' % $& '# !% !

75 89 09B58?49B 89D 0I :"898.75@ 97.4=0 73 .246 #' "! * 600

B096 :"0;048# .6 =7B97C09 79 =7496 46 6 *1 246 38C4"@ =8C0 357C 9.4AC# .' 3A594620D 8C79B6.' 7.2056 # 9.4A6 #06.47 <27 49 .20 .4C0 73 4=057 <86 8 .54 ; A90 73 .20 :07:"0 89D .20 8A.275 73 8' 6AC :.A85@ "8<*1 20 =7496 73 .246 8:::085 79"@ 49 64"?05/ .20@ 28?0 .2500 ?8540.406 89D 850 5850# 75 89 09B58?49B 73 790 73 .2060 <24=2 .27AB2 97.' .20 58506.' 46 357C 4.6 "0B09D 89D .@:0 .20 C76.' 49G .0506.49B 600 + "67 600

& ' 49B 73 KAD808 ;0208D0D 2@ 75D05 73 H 85F 9.79@*1 00 F B096*

8' =4.@ 73 .20 7"6=4896 67 =8""0D 357C 9.79 75 9.079 679 73 05=A"06 1 6=894A6 679 73 49086 46 684D .7 28?0 37A9D0D 4.# .6 50C8496 850 6.4"# ?464;"0 64.A8.0D 79 8' :57C79.75@ ;75D0549B 79 .20 608 49 .20 ' 7+ * 3 A9D05 .20 C7D0C 98C0 73 057 =8A60D 8 3490 :75. .7 20 2A4". .2050 83.05 28?49B 8==75D49B .7 A0.794A6 609. .24.205 8' =7"79@ 73 7"D 580.754896*1 9.4AC <86 =0"0;58.0D 375 4.6 .0C :"0 73 75.A90*1 00 3 :# [,*

1 1 00 !

00 8"67 6

75 + 28.' 64D0 73 8' =749 <24=2 =79.8496 .20 :75.584. 75 7.205 :549G =4:8# 34BA50# 00 1)

(; 8' @7A9B 4.2@9489 <27 D40D 8;7A. .20 .2 @085 73 7A5 6058 28?49B ;009 D57<90D 49 .2 4"0*1 8D5489 67 <460 89D C054.7547A6 49 246 BOG 9058# :A;"4= =79DA=. ;A.O 49 .246 <50.=20D 49G 6.89=0 73 :056798# =54C498"4.@ 790 73 .20 C76. 4938.A8.0D 86 <0"# 86 C76.' D0:58?0D 73 2AC89 ;049B6 1 28D 6=85=0"@ ;@ .246 8==4D09.' "76. 246 A928::@ 38?7A54.0 .289 20 =8A60D .20 C76.' 0IG .58?8B89.' D46.49=.4796 .7 ;0 509D050D .7 ;46 COG C75@# .0C :"0 89D 0?09 8' =4.@ <050 DMOD4=8.0D .7 246 98C0 89D & +'a 75 <050 .20 &500F6 8"<8@6 508D@ .7 3"8..05 .20 C76.' D46B58=03A# :57:0964.406 73 .2045 4C :0548# C86.056 86244C0D .7 6.8C :' 246 4C8B0 79 .2045 =7496# 7 .20 =50D4.' 73 89D 49 A6.4=0 .7 .20 6 C49.;0 4.' 8DD0D .2050 0I46.' 97 C0D8"6 73 9.497A6 <4.2 "0B09D6 975 89@ <28.0?05 <4.2 .20 C85F 73 098.7548# 8A.2754.@*

1 9D05 .246 98C0 89=409.' <54.056 =7CC0C758.0 .20 0I46.09=0 49 .2045 .4C06 73 8' B508.' C89@ =4.406 49 648 20 37"G "7<49B 850 .20 .<7 C76.' 50C85F8;"0/ ?4' 9.47=2 49 464D48 89D 9.47=2 49 @548 1;7.2 ;049B #7C89 =7"79406*

"# % %EEEE 64.A8.0 79 .20 ;75D056 73 25@B48 97.' 385 357C .20 54?05 089D05 M89D 97<' =8""0D ? F 49 858C89 648.4= A5FO@*N 1 .' <86 375 8.' "086. @0856 .20 608.' 73 8' ##NC89 37A9D0D ;@ ABA6.A6 89D 49?06.0D <4.2 .207 A9D05 .20 98C0 73 h C' 20 =7496

73 .246 =4.@ =79646. 7 3' 89.7%7C06 M6C8"# 64\ON C4D 73 4CG :0548" ;7.2 49 ;5866# 20 375C05 28?0 79 .2045 7;?0560 64D0 375"0B09D # 89D 375 .@:0 .20 208D 73 .20 &7D F3 <4.2 25@G B489 =8:' 7A 8 =506=09.# 1 2045 50?0560 850 496=54;0D " 0 75 =7.0# 47# 75 89D .20 8==7C:89@49B .@:06 850 8 =7=F 89D 8 ;A338"7 75 <4"D 7I*1 20 + '=7496 73 .246 =7"79@ ;0B49 A9D05 4;054A6 83.05 <2760 504B9 8 =0668.479 73 =7498B0 600C6 .7 28?0 .8F09 :"8=0 89D =79.49A0D A9.4# 4.A6 =8C0 .7 .20 .25790 .7 <27C 27<0?05 .20 =7"7946.6 8:::085 .7 28?0 D0D4=8.0D 79"@ .<7 =7496# 97.205 B8:' .209 7==A56 49 .20 605406 0I.09D49B .7 .20 504B96 73 9.7949A6 4A6 89D 85=A6 A50"4A6# 20@ .209=0 8==75D49B .7 .20 D06=54:.4?0 "46.6 73 47990. :57=00D 49 C750 50BA"85 6A==066479 2A.' 6.4"# <4.2 7==864798# 7C4664796 86 385 86 &8""409A6 89D 8"0548C46 A9475 .20 "86.' 50=75D0D D0D4=8.479 73 .20 9.47=2489 C49.' 73 464D48 ;049B .7 "8AD476 &7.;4=A6# @385 .20 C750 9AC057A6 :75.479 <86 6.5A=F A9D05 858=8""8 89D &75D48996 *1 20 37""7<49B 850 .20 ?8547A6 "0B09D6 .7 ;0 37A9D 7A ' 73 .20 4C :0548# =7"7948" ?4*/

*1 *1 *1 75 E *EEEEEE *EEEEEE 1 & # & 49 # 5 *EEEE # *1 *1 *1 *1 *1 "F 6 % B / ! " 0 / " ' 0 1 4; '% # # 75 # *1 # 43 *1 * 20 .@:06 850 86 37""7<6/1 3 75 8 :5406.' 8.' :"7AB2 <4.2 .<7 7609 89D <4.2 790 75 .<7 C4"4.85@ 0964B96 ;0249D .20C 8"67 2 24B2 :5406. =855@49B 8 3 .58=49B .20 "4C4.6 73 .20 60.."0C09. <4.2 8 :"7AB2 89D .<7 7I09E186 49 4;054A6 4.A6 # 0?=946 858=8""8 0I# 0?05A6 &75D48996 4A*6 89D &8""409A6# ^ 2060 .@:06 850 6@C;7"6 73 8 =7"79@ 06.8;"4620D*0

3) 75 6 608.0D ;0.<009 .<7 "4796 86 49 # A50"4A6 "0I# 0?05A6 89D &75D48996 * . 3 .20 2A9.5066 .8F49B <4.2 205 54B2. 289D 89 8557<' 357C 205 SA4?05 89D 27"D49B .20 ;7<49 205 "03. 86 49 858=8""8*

, + 6.89D49B ?04"0D 68=5434=49B 8.' 8 "4B2.0D 8".85 ;03750 .2500 C4".85@ 0964B96 1 8"67 79 27560;8=F <4.2 54B2. 289D 0"0?8.0D 89D 49 8 .54AC :28# SA8D54B8 86 49 &75D48996 *' 89D 49 24"4:' 609*

! '73 .20 =7"79@ ' :05679434 jd ;@ .20 A6A8# .@:0 86 49 # A50"4A6 89D # 0?05A6*

4 73 9.47=2 :056794340D ;@ 8 30C8"0 34BA50 49 .20 6.7"8 6.89D49B <4.2 ;589=2 89D =7CA=7:450# 20 =7"79@ 46 8"67 50:0506.0D ;@ 8.A550.0D <7C89 27"D49B 8 =8DA=0A6 8"67 ;@ 8 30C8"0 34BA50 6.89D49B 9085 89 8".85 27"D49B 8 :8.058 89D 2759 73 :"09.@1 "4F0<460 ;@ .20 .@:0 73 75.A90 608.0D 27"D49B 8 5ADD05 89D =759AE

49' 8' S448D543 8 ' 8.' 3A""# 6 : 00D ' 27"D6' A :' .20' "8A50"# 49' 205' 543 2.' 289D ' 89D' 8' "79B' : 8"C' ; 589=2' .7B0.205' <4.2' .20' 50496' 49' 205' "03.*

750"# B4?06'8'2A9D50D'89D'.245.@E04B2.'?8540.406' 49' .20' 07496' 73' .20' 9.7948' 38C4"@# 246' 01G .5875D4985@' CA9205' 854606' 357C' .20' C0D8"6' 73' # 9.7949 6 ' <4.27A.' 246' : 75.584. ' ; 049B' ="8660D' A9D05' .28.' 208D* 1 00' * ' 89D' 47' ' 8 ' % 1 20' B7"D' =7496' 850' 5850' 49' .20' 24B206.' D0B500# 20' 64"?05' 850' 357C' ' .7' .20' , <06.' D0B500' 73' 5854.@*

' ' D8AB2.05' 73' 85=A6' 9G .7949 6' 89D' 73' =.8?48 ' C85540D' .7' 5A6A6' 609475 ' <86' .20' C7.205' 73' &05CB94096 ' 4?4""8 ' 89D' M.20' 83.05<85D6' 0C : 0575N M 8AD496# 20' <86' ; 759' 49' .20' @085' 73' #7C0 ' , [' 75' , ' M8# =# Ha' 75' H N ' 89D' D40D' a, ' 9 ' ' H N ' ; 049B' .20' 60=79D' @085' 73' 205' B589D679' 8"4BA"8L6' 504B9 ' <27' 8==75D49B' .7' A0.794A6 ' <86' 6A6 : 0=.0D' .7' 28?0' 08960D' 205' .7' ; 0' : 746790D# 20' 46' 6 : 7F09' 73 ' ; @' 246.754896 ' 86' 8' 60964 ; "0 ' 8C48 ; "0' <7C89 ' 73' 8' 289D67C0' =7A9.0989=0' 89D' 73' B58=03A"# C899056 ' 8' 97 ; "0' 010C : "85' 73'=79 AB8"# 34D0"4.@ ' 89D' 73' 2797A58 ; "0' <4D7<277D ' 8' =2858=.05' <24=2' 50C8496' 996A""40D' ; @' .20' ?8BA0' 8""0B8.4796' 73' .2760' <27' C8"0G ?7"09."@' 4C : A.0D' 8' <89.' 73' : 57 : 05' 300"49B' .7' 790 ' <2760' .09D059066' 86' 8' <430' 28D' : 57?0D' 4.60"3' .77' 649=050' .7' ; 0' 8667=48.0D ' 49' .20' 68C0' ; 5086. ' <4.2' C8.0598"# 4960964 ; 4"4.@*

05' =7496 ' 49' B7"D' 89D' 64"?05 ' 850' ?05@' 5850* 1 ' P 4"0' 6A ; 7490D' =A.' 46' 09B58?0D' 357C' 790' 73' 205' D098544/ 1

1) ' ' # "8A50""7D' 208D' 73' 9.7948*

4=0# =7 4 ' "# M 7' .20' =79G 6.89=@' 73' .20' 0C : 0575 1 C08949B' "8AD4A6*N 1 00' '

20' 60=79D' ; 5866' 73' 9.7948' 850' 6=85=0# 90' 73' .2060' : 50609.6' 79' 790' 64D0' .20' 208D' 73' 9.7948 ' T' <4.2' 205' 2845' .<46.0D' .7' .20' ; 8=F' 73' .20' 90=F ' 89D' 8' =7A9.0989=0' 01 : 50664?0' 73' 60960' 89D' C4"DG 9066 U' 89D' <4.2' .20' "0B09D' ! ' ' 20' "0B09D' 73' .20' 50?0560' 46' ! ' "! ! ' ' (' ' : # # 89D' .20' . :0' 8' 34BA50' ="7.20D' 49' 8' "79B' 57 ; 0 ' 89D' ?04"0D ' 6.89D49B' <4.2' 8' 64C : A"AC' 49' .20' 54B2.' 289D*

9.7948' <86' 49?06.0D' <4.2' .20' .4."0' 73' ' ; @' 205' B589D679' M 8496N 8"4BA"8 ' <27' 8"67' =8A60D' .20' D4B94.@' 73' 8' 06.8"# .7' ; 0' B589.0D' .7' 205"# M 00' " * ' ! ! ' !A ' A.' 246' 34"48"# 8..8=2C09.' 28?49B' ; 009' .A590D' .7' 28.50D ' 97' ; 5866' =7496' <4.2' 205' 98C0' 89D' : 75.584.A50' <050' 6.5A=F' DA549B' 205' "430E.4C0 ' .27AB2' .20' =749' 8 ; 7?0' D06=54 ; 0D ' 89D' 897.205' <050' 83.05G <85D6' D0D4=8.0D' .7' 205' C0C75@' ; @' 205' 679' "8AD4A6* 1 9.7948' <86' =8""0D' ' .7' D46G .49BA462' 205' 357C' 205' 0"D06.' 646.05 ' <2760' 98C0' <86' "4F0<460' 9.7948 ' 89D' <27' <86' C85540D' .7

7C4.4A6' 2097 ; 85 ; A6 ' .20' B589D38.205' 73' 057

' ' "1 ' ' ! ' * 7 ' %' <2760' : 8.0598"# 58=0' =8590' 754B498""@' 357C' 46C06 ' <86' ; 759' 8.' 89A?4AC' M8' =4.@' 73' 8.4AC\N' 49' .20' @085' 73' #7C0' Ha' 9 ' ' *N' 0' <86' .20' 679' 73' A50"4A6' A"?496 1 8' C89' 73' =796A"85' 589F 1 89D' 73' 5548' 8D4""8# 8?G 49B' : 8660D' .257AB2' .20' 7334=06' 73' %A606.75' 89D' 90.75 ' <4.2' 8 : : 57?0D' "4 ; 058"4.@ ' 20' 605?0D' 246' 3456.' 796A"624 : ' 49' .20' @085' ?"# =# H ' 9 ' ' , > N ' ; 049B' .209' HH' @0856' 73' 8B0 ' 49' 8' C8B9434G =09.' 6.@"0# P 20' 0C : 0575' 8D5489' 83.05<85D6' 8 : : 749.0D' 24C' 790' 73' .20' 37A5' 85E=796A"6 ' .7' <27C' .20' 8DC4946.58.479' 73' 8338456' 49' .8"@ ' <86' =7CC4..0D# 09.' 90I.' 86' 57E=796A"' .7' 648 ' 20' B7?0590D' .28.' 0I.0964?0' 89D' C76.' 4C : 75.89.' : 57?49=0 ' <4.2' B508.' <46D7C' 89D' 49.0B54.@' ' 49G 67CA=2' 86' .7' 28?0' 0I=00D0D' 49' 50 : 9.0' 8""# 246' : 50D0=066756# 9' 246' 50.A59 ' 8' 608.' <86' 86G 64B90D' .7' 24C'49' 8D5489L6' =7A9=4"# 73' 6.8.0' ' 89D ' 83.05' .20' D08.2' 73' 0"4A6' 246' ; 57.205E49E"8< ' 20' <86' 49?06.0D' <4.2' .20' .4."0' 73' C685' 89D' <4.2' .20' 54 ; A94.489' 7<0 ' 49' a, ' 9 ' ' ,H *N 8D5489' 8.' .20' 68C0' .4C0' 8D7 : .0D' 24C ' 79' .20' =79D4.479 ' .28.' 2D' 6279"D' 24C60"3' 8D7 : .' # A50"4A6 ' .20' 679' 73' 246' <430L6' M 8A6.498L6N' ; 57G .205 ' 89D' # 05A6 ' .20' 679' 73' 0"4A6' 334685# .' <86' .209' .28.' 20' .77F' .20' 98C06' 73' ' ' ; ' ' 20' 68C0' @085 ' 8D5489' D@49B ' 9.7949A6' 50=04?0D' 357C' .20' 098.0' .20' .4."0' 73' ABA6.A6 ' 89D' .20' 6A598C0' 73'# ' 9' .20' @085' A'# =# a>' 9 ' ' ,HaN' 20' 8==0 : .0D' .20' .4."0' 73' # ' # ' 9' a ' 9 ' ' ' ,N' .20' .245D' @085' 73' 246' 504B9 ' 246' <430' 9948' &8"0548' 8A6.498' D40D# 9' # # , [' 20' 605?0D' 246' , .2' =7964D624 : ' <4.2' 85=A6' A50"4A6' 40685' 375' 246' =7""08BA0# 9.7949A6' B8?0' .20' ' ' .7' # 05A6 ' D0D4=8.0D' 8' .0C : "0' .7' 246' 38.205' ; @' 8D7 : .479 ' 8D5489A6' ' 89D' ; 06.7<0D' 8' Y ' 79' .20' : 07 : "0# # A'# =# aa' 9 ' ' , N' 20' =0"0 ; 58.0D' <4.2' 60=A"85' B8C06 ' .20' a .2' @085' 73' .20' =4.@' ' 89D' 49' a ," M # # , N' : 84D' .20' ?7<6' DAO' " ' %' 375' .20' 3456.' .09' @0856' 73' 246' 504B9' "# ' * %' 57C' .246' : 0G 547D' .7' .20' @085' 73' #7C0' a, H' 9 ' ' , N' 89G =409.' 8998"6' 850' 04.205' 64"09. ' 75' 83375D' 79"@' ?8BA0' 89D' A9=05.849' 49375C8.479 ' 79' .20' 6A ; 0=.' 73' 0?09.6' =7990=.0D' <4.2' .20' 4C : 0548"# B7?059G C09.' 73' 9.7949A6' ' 8".27AB2' DA549B' .28.' 49.05G ?8"# 73' , ' @0856 ' 8' B508.' ?8540.@' 73' =7496 ' ; 08549B' 50?05606' 73' B07B58 : 24=8" ' 246.754=8"' 89D' C@.27E

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"7B4=8""@' 50"4B47A6' 49.0506. ' 850'0I.89.' ' 620<49B' ;@' .2045' "0B09D6' 89D' .@:06' .28.' .246' 0C:0575' 28D' 506.750D' 60?058"' :A;"4=' 0D4.4=06' 89D' 050=.0D' 7.2056' ;064D06' 28?49B' =79="AD0D' C89@' 4C:75.89.' .58968=.4796' 89D' B4?09' C89@' :A;"4=' 6:0=.8="06 89D' "85B06606' .7' .20' :07:"0" 3.05' 8' 504B9' 73' >H' @0856' <24=2' .20' B58.4.AD0' 73' 246' =79.0C:7G 585406' 286' 289D0D' D7<9' .7' .20' ?09058.479' 73' C89F49D' 20' D40D' 49' 246' :8"8=0' 8.' 754AC' 49' .5A548' A94?0568""@' 50B50..0D' 79' .20' .2' 73' 85=2' "A" =" a, 4 9 ' ' "N' 49' .20' [.2' @085' 73' 246' 8B0*

9.7949A6' 54=2"@' C054.0D' .20' .4."06' 89D' D46G .49=.4796' =7930550D' A:79' 24C' 86' <0""' ;0.50' 86' 83.05' 246' 8==066479' .7' .20' .25790' ' 97.' 79"@' ;@' 246' C89@' 89D' 5850' ?45.A06' 86' 89' 49D4?4D4AD' ;A.' 8"67' ;0=8A60' 0' <0"3850' 89D' 28:.49066' 73' 246' :07:"0' <050' .20' =796.89.' 7;0=.6' 73' 246' =850' 89D' 7==A:8.479" 8B8=47A6' "08590D' 0"7SA09.' ;094B9' =7C:8664798.0' 89D' 8438;"0' 20' <86' :0=A"485"@' 09D7<0D' <4.2' =8"C9066' 89D' 0SA894C4.@' <0""' 6A6.8490D' 27<0?05' 79' 8"" :7"4.4=8" 7==864796' ;@' .20' 50SA464.0' D46:"8@' 73' 0905B@' 89D' .4CC066" '49D"@' D46:760D' .7<85D6' 0?05@;7D@' 89D' 3500' 357C' ?49D4=.4?09066' 20' 89.4=4:8.0D' ;@' 8=.6' 73' "4;058"4.@' 89D' ;0903=09=0' .20' A.C76.' <46206' 73' 246' 6A;0=.6" 46.48BA4620D' 375' :57;4.@' 73' =28G 58=.05' 89D' 375' D4B94.@' 73' =79DA=.' 20' D0"4B2.0D' 49' 5A58"' 50.450C0C09.' 89D' 4997=09.' 50=508.479" (0""' 375C0D' 49' :05679' C4"D"@' 0I:50664?0' 49' :2@647B97C@' 8=.4?0' 49' D46:764.479' 0I24;4.49B' 89' 845' <24=2' =7CC89D0D' 506:0=.' 89D' 8' D0:75.G C09.' <24=2' =79=4"48.0D' .20' C76.' 38?7A58;"0' 7:4G 9479' ' 20' <86' :"849' 49' 246' D5066' 64C:"0' 49' 246' 06.8;"462C09.6' 35AB8" 8.' 246' .8;"0" 4?49B' <4.249' .20' "4C4.6' 73' 246' :8.54C7948"' 50?09A06' 73' <24=2' 8' :75.479' <86' 8"<8@6' 6:850D' .20' 50"403' 89D' 67"8=0' 73' .20' <50.=20D' 20' .508.0D' 246' 35409D6' 86' 43' 20' 28D' ;009' .2845' 276.' 75' .2045' BA06.' 58.205' .289' .2045' 67?0504B9' C86.05" 46' :54?8.0' 28;4.6' <050' D0=757A6' 89D' 50BA"85' .2=B2' 20' <86' 97.' 8".7B0.205' :5773' 8B8496.' .20' 8""A50C09.6' 73' <7C09" 6' 80:549=0' 89D' 8' 5A"05' 246' C8I4C' <86' .7' 8DC4946.05' 6.54=.' A6.4=0' 0SA8""@' .7' 54=2' 89D' :775' .7' 24B2' 89D' "7<' .7' .20' <08F' 89D' 2AC;"0' 86' <0"" 86' .7' .20' :57AD' 89D' :7<053A"4' 9' 8..09.479' .7' .20' 68=50D' =050C79406' 89D' 50G "4B47A6' 496.4.A.4796' 73' 246' =7A9.5@' 246' 49="498G .4796' 600C' .7' 28?0' 8664C4"8.0D' <4.2' .20' :7"4=@' 73' AC8' <27C' 20' <86' 684D' .7' 5060C;"0" 0' =8A60D' 246' 8D7:.0D' 679' 85=A6' A50"4A6' .7' 605?0' 8"" .20' 6.8.0' 7334=06' 89D' 496.5A=.0D' 24C' 49' .20' 6=409=0' 73' B7?059C09.' <4.2' 8'?40<' .7' SA8"43@' 24C' 375' .20' 6A==066479" 45=AC6:0=.' 49' 246' =274=0' 73' C4946.056' ?4B4"89.' <460' 89D' 375G .A98.0' 49' .20' C898B0C09.' 73' :A;"4=' 8338456' 246' 67"0' 84C' <86' .7' 5A"0' .20' 0C:450' <0"" ' 89D' .7' "08?0' 4.' 49' :576:054.@' 89D' :08=0' .7' 246' 6A=G =06675" 27609' 86' 89' 85;4.58.75' ;@' F49B6' 89D' :07:"06' 8.' .20' C76.' 50C7.0' D46.89=06' 357C' 7C0' 20' C8D0' 8' C758" =79SA06.' 73' .20' <75"D' ;@' 246' <0""E08590D' 493"A09=0' 89D' :50E0C4G 909.' 50:A.8.479" C79B' 7.205' 90.4;96' .20' @5E' =894896' 89D' .20' 8=.54896' 609.' 0C;866406' 73' 6A;G C466479' .7' 24C" 7?0504B9' :549=06' 357C' 067G :7.8C48' 89D' 357C' .20' 3A5.205' 86.' :056798""@' :84D' .20' 27C8B0' 73' .2045' 8DC458.479' .7' .20' 0CE

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:0575' 8.' 246' 7<9' =8:4.8"" 257AB2' 246' "40A.0989.6' 89D' D0:A.406' 20' 6A;DA0D' 89D' F=:.' 49' 8<0' .20' a' .7A6' .20' 8A50.894896' .20' 8=4896' 89D' .20' D4330509.' &05C894=' .54;06' ' 20' 8"67' 6A:;50660D' 8' 50?7"." 73' .20' K0<6' 89D' :A.' D7<9' 50;0""4796' 49' .20' :57?49=06' 73' =2848' 89D' B@:." 9D05' .246' 64BG 98""@' C4"D' 89D' .7"0589.' :549=0' .20' 2546.4896' 09G 7@0D' =7C:858.4?0' 3500D7C' 357C' :0560=A.479' A9.4" 8;7A.' .20' ,>.2' @085' 73' 246' 504B9' 9 ' ,[,*N' 9D' 0?09' .209' 20' 466A0D' 97' 0D4=.6' 8B8496.' .20C" A.' 49' =7960SA09=0' 73' 246' 28?49B' ;009' 49DA=0D' 5862"@' 89D' A98D?460D"@' .7' <4.2D58<' 246' :57.0=.479' C89@' ?45.A7A6' 37""7<056' 73' 2546.4894.@' <050' :A.' .7' D08.2' A9D05' "8<6' 73' 375C05' 0C:05756" 3.05G <85D6' 27<0?05' 246' 7<9' 60960' 73' 2AC894.@' 89D' A6.4=0' 8B849' :50?84"0D' <4.2' 24C' .7' B589.' =05.849' 49DA"B09=06' .7' .20' 2546.4896' <27' B09058""@' 50G C8490D' 49' :08=0' 89D' 60=A54.@' .257AB27A.' .20' 50G C84949B' :0547D' 73' 246' "430" 9' 246' C8.54C7948" A9479' 20' 28D' ;009' A9375.A98.0' <27=79675.' ;049B' 8' <7C89' 73' D4667"A.0' "430" A.' ADB49B' 357C' .20' 2797A58;"0' =2858=.05' 73' .20' C89' .2050' 46' 0?05@ 508679' .7' ;0"434?=' .28.' 20' D00:"@' 30".' .20' D46B58=0' <24=2' 246' <430L6' C46=79DA=.' 28D' ;57AB2.' A:79' 246' 38C4"@' 89D' =7A5.' 8".27AB2' .20' 4C:7"4=@' 74' ;549B49B' 205' .7' :A;"4=' 624A90' :57;8;"@' 7:058.0D' <4.2' 7.205' C7.4?06' 49' 49DA=49B' 24C' .7' ;0"09409.' 89D' 0?09' 8330=.4798.0' .7<85D6' 205' .7' .20' "86." .4"" ' 97.249B' =7A"D' A6.43@' .20' ;06.7<8" 74' T' D4?490' 2797A56' U' ;@' .20' 098.0' 8.' 246' 7<9' B58.A4.7A6' 67"4=4.8.479' 79' .20' 384.2"066' 8A6E .498*

20' 3A9058" 73' 9.7949A6' <86' D46.49BA4620D' ;@' 8"" .20' 4C:7649B' =050C7A406' 73' ' ' :' 89D' 246' 86206' <050' D0:764.0D' 49' .27' C8AE 67"0A59' 73' 8D5489" 7' 620<' 27<' CA=2' 20' <86' ;0"7?0D' ;@' .2760' <24 435 20' B7?0590D' 08=2' #7C89' 38C4"@' <86' 8==A6.7C0D' .7' 28?0' 8' 6.8.A0' 73' 24C' 49' .2045' 27A606" W--7' <79D05' ." :503750' .28.' U' 86' :89204C' 7;605?06' T.2050' 627A"D' 28?0' =7C0' 0?09' .7' 7A5' D8@6' 67' C89@' ?464;"0' 89D' DA58;"0' C79AC09.6' 73' 246' 504B9' 67C0' 73' <24=2' 8"67' ' ' 89D' ' 38"60"@' ' ' 01' 2060' 49D00D' 850' 8;A9D89.' 49' 08=2' C0.8"' 89D' 4.' 46' 6A5:54649B' 27<' C89@' 3490' 89D' 49.0506.49B' ;5866' C0D8""4796' .2050' 850' 73' 246' C49.8B0*1' 4 ' =7CC79' M0I=0:.' 67C0' 49' .20' .245D' D0B500' 73' 5854.@N1F ' =7CC79' M0I=0:.' 67C0' 49' .20' 641.2' D0B500' 73' 5854.@N1* ' =7CC79' M0IG =0:.' 67C0' 49' .20' 04B"4.2' D0B500' 73' 5854.@N*1 0' 46' .2050794' 6.@"0D' E 4 ' " " "# '# % 1 8"67' 8mp # $ ' =3' " " # " " ' " * 1 20' 98C06' 73' 8 ' M86' 286' ;009' 8"508D@' C09.4790DN' <050' .2760' 74' 246' 8D7:.479*1 7C0' 5850' :40=06' 6.5A=F' A9D05' .246' 0C:0575' 50:50609.' 24C' <4.2' ; ' ! ' 609475' ' ' 89D' ! ^ 20' :75.584.' 8.' .20' 208D' 73' .246' 97.4=0' 46' 09B58?0D' 83.05' .20' 7;?0560' .@:0' 73' 8' ;5866' C0G D8""479' 790' 73' .20' 34906.' 49' .20' ') ' ' ! ' ' 375' 320' 50?0560' 73' <24=2' 600' * ' ' 7"AC9' 8.' #7C0" 246' C79AG C09.' 46' D0"4908.0D' 79' 2' "85B0' ;5866' 73' 9.7G 949A6' 4A6*1 00' 4?7' 47*

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8?09B0' .20' <579B6' 73' 246' 646.05# 9' 7 : 09' 89D' D08D"@' SA8550"# 096A0D' ; 0. < 009' .20' ; 57. 2056E49E' "8<# 9D' 79' .20' >9D' 73' 0 : .0C ; 05' 73' .28.' C0C758 ; "0' @085 ' 8.' .20' 98?8"# 34B2.' 733' =.4AC ' 49' : 45A6 ' 9.7949 6' <86' .7.8""@' D0308.0D ' 89D' 3"0D' < 4.2' "07 : 8.58 .7' B@ : .# 9' .20' @085' 73' #7C0' > ' ¯ ¯ H N ' =.8?489A6' : A56A0D' 89D' : 50660D' 9.7A4A6 ' <27 ' 60049B' .28.' ; 7.2' 246' 3"00.' 89D' 246' "89D' 375=06' <050' B790' 7?05 .7' .20' 64D0' 73' 246' ?4=.7547A6' 54?8" ' "76.' 8"# 27 : 0' 73' 50.540?49B' 246' 8338456 ' 89D' D40D' ; @' 246' 7<9' 6<75D*

&508.' SA8"4.406' 89D' B508.' ?4=06' A9 4.0D' .7' =28G 58=.0546 0' .246' 0 I .5875D4985@' C89 ' <2760' B5766' C46D00D6' .20' 0"7SA09=0' 73' 4=057' 286' 6.8C ' ?D' <4.2' .20' 4C : 5066' 73' 8' 628C03A"# =0"0 ; 54.@/ 209=0' .20' 4C : "8=8 ; "0' 89D' ?49D4=.4?0' 28.50D' 73' 9.79496' 8B8496.' .28.' 4""A6.547A6' 758.75 ' <27' 20' 8.' "09B.2' 68=5434=0D' ; @' 866866498.479# ' ; 58?0' 89D' 8 ; "0' B09058" ' 20' 6.77D' 24B2' 49' : A ; "4=' 06.4C8.479' 89D' =7934D09=0' 8.' .28.' =54.4=8"# : 0547D' < 209' .20' SR75E "09.7A6' 2797A5' 73' .20' 4=.8.75624 : ' < 86' 866AC0D' ; @' .20' B508.' KA"4A6 ' <2760' CA5D05' 20' : 5730660D' .7' 8?09B0 ' 89D' <2760' : "8=0' 20' 86 : 450D' .7' .4""# 40"D49B' 24C60"3 ' 27 < 0?05 ' .7' 0?05@' 0 I =066' 73' D0 ; 8A=205@ ' 20' 6779' "76.' 8C4D6.' .20' 0905?8.49B' 493"A09=06' 73' ?7"A : .A7A69066 ' 246' 375C05' 6F4""# 49' .20' : 573066479' 73' 85C6 ' 86' <0"# 86' 49' .20' 85.' 73' =4?4"# B7?04' 8C09.# 3.05' 28?49B' 49' .20' : "094.AD0' 73' 246' : 7 < 05 ' 89D' 49' .20' < 89.7990660' 73' 246' ?849' B"75@ ' D46.54 ; A.0D' < 27"0' F49BD7C6' 8.' <4"" ' 89D' ; 009' C86.05' 73' 28"3' .20' #7C89' <75"D' 20' 0 I : 450D' 8.' .20' 300.' 73' .20' <7C89 ' < 27' ; 8D' ; 009' .20' =8A60' 73' 246' D46B58=0' 89D' .20' 67A5=0' 73' 246' C46375.A906# 46' 50C8496' 89D' .2760' 73' %A009' "07 : 8.58' <05W' D0 : 764.0D' 49' .20' 68C0' .7C ; *

20' B7"D' =7496' 73' 85=A6' 9.794A6' 850' 357C' .20' .245D' .7' .20' 04B2.2' D0B500' 73' 5854.@ ' .20' 64"?05 ' 357C' =7CC79' .7' .2 ' 343.2' D0B500' 73' 5854.@ ' 89D' .20' ; 5866' M73' < 24=2' .2050' 850' 97' "85B0N' 357C' .20' 3"46.' .7' .20' 37A5.2' D0B500' 73' 5854.@*

9' .2060' < 4.2' 75' < 4.27A.' 246' : 75.584. ' 20' 46' 6.@"0D ' 375' .20' C76.' : 85. ' ¯M75'

1 ' 9 A' ! # ' 1 ' ' (' 4 # 8 ' ' " $8 1 2060' <75D6' D0G 97.0' .20' 60=79D' .54AC ?458.0' 73' #7C0 ' 375C0D' ; 0G .<009' 9.79498 ' 0 : 4DA6 ' 89D' =.8?489A6 ' A9D05' : 50.09=0' 73' A94.49B' .7' 0330=.' .20' 50E06.8 ; "462C0A.' 73' .20' #0 : A ; "4=* 1 00' ¯89D'

7C0' 64"?05 =7496' 50 : 50609.' 85F' 9.79@' < 4.2' KA"4A6' 84685' 0 : 4DA6' =.8?4A6' "07 : 8.58' 85=A6' 9.794A6' .20' 679' 89D' A=4A6' 9.794A6' 8' ; 57.205' 73' .20' 54AC?45* 1 20' 208D' 73' # 9.7G 94A6' 46' 97.' 37A9D' 79' ; 5866' =7496' 73' .20' #7C89' C49.' ; A.'4.'46' 350SA09."@' C0.' < 4.2' 79' .2760' 6.5A=F' 49' D4330509.' : 57?49=06' ; @' 246' "40A.0989.6# A=2' 850' .2760' ; 08549B' .20' 98C06' 73' # 0C : 5794A6' .58.49A6' # 79.04A6' 89D' # : : 4A6' 8 : 4.7' # 8" : A594A6' 4 ; A"A6' # 49854A6' =85 : A6' 8"67' 764A6' 09.4D4A6' 89D' 7.2056' 246' : 5030=.6' 89D' "0B8.06' C49.0D' 49' =4.406' 6A ; 0=.' .7' 246' 8AG .2754.@* 1 2050' 850' 8"67' 64"?05' C0D8 4796' 6.5A=F' 49' 648' < 4.2' 246' 0334B406' 73' 9.794A6' 89D' 73' "07 : 8.58' 04.205' 7490D' 75' 79' 60 : 858.0' 64D06* 1' 9' .20' 50?05"# ' 73' 790' 73' .2060' 46' .20' 208D' 73' "07 : 8.58' M75' 73' = .8?48M' 79' 8' ' ; 0. < 009' .< 7' 605 : 09.6 ' 79' 897.205' .20' 34BA50' 73' 8==2A6' 79 .20' 68C0' C@6.4=8"# =206. ' ; 0. < 009' .< 7' 605 : 09.6 ' 79' 8' .245D' 8' ; 7 < ' SA4?05 ' 89D' .< 7' 605 : 09.6* 1 ' &7"8' 89D' 64"?05' C0D8"6' 73' .20' ' 38C4"@' B4?0' C89@ 73' 246' "0B4796 ' 86' D064B98.0D' ; @ .2045') ' 89D' .20' 08B"0' 6.89D85D' 79' 790' 64D0 ' 89D' ; @ ' 98C0' 86' .54C9?45 ' < 4.2' 8' B8""@ ' 79' .20' 7.205* 1 20' =7496' 73' 85F' 9.79@' .@ : 43@' 246' 8ABA5624 : ' ; @' .20' ?04"0D' 208D ' .20' ' 89D' .20' + +$:' 246' : 50.0964796' .7' D06=09.' 357C' 05=A"06 ' ; @' .20' =" A ; ' 89D' 246' D0?7.479' .7' .20' < 75624 : ' 73' 8==2A6' ; @' .20' =57 < 9' 73' 4?@"08?06* 1 # 00' 1 600' 8"67' ' +

? ' 9 A' ' 8 ' ' ' N (' 2 ' 1 9.79@' 49' 8' C4"4.84@' D5066 ' 6.89D6' < 4.2' 246' "03.' 377.' : "89.0D' 79' .20' : 57 < ' 73' 8' 624 : ' ' 49' 246' 54B2.' 289D' 46' 8' 6 : 085 ' 49' 246' "03.' .20' : 857\794AC - * 1 % ¯ ¯ # # = 76# ' 1 ' "479' < 8"F49B ' 8' D8BB05' 20"D' 49' 246' 54B2.' 3750' : 8 < ' 8 ; 7?0' 46' 8' 6.85* 20' 3750B749B' 46' B4?09' 49' ' ' 86' 357C' 8' 5850' B7"D' =749' 73' 85F' 9.79@# 20' "0B09D' 73' .20' 50?0560' 8664B96' .7' 24C' .20' .4."0' 73' ' # ' ' ' ' M 796A# "0=.' 375' .20' 60=79D' 89D' .245D' .4C0N# .' =7A"D' 97.' .20503750' 28?0' ; 009' 6.5A=F' 085"405' M68@6 =F20"N' .289' .20' @085' ' =# , [' ¯ ¯ H&N# 20' .@ : 0' 73' .20' 7 ; ?0560' 50 : 50609.6' 85=A6' 9.794A6 ' 49' 246' B85 ; ' 73' < 85 ' 86' 443A5' 75' &09058# 73' 89' 85C@# 46' 377.' 46' : "8=0D' 79' K ; 0' : 57 < ' 73' 8' ?0660" ' .7' 49D4=8.0' 246' C854.4C0' : 7 < 05# .' 46'.7' ; 0' 7 ; 605?0D' 49D00D' .28.' .20' 377.' 506.49B' 79' 89@ 7 ; 4#=.' 4C : 75.6' .20' : 766066479' 73' .28.' 7 ; 0=.' 75' 8' 54B2.' 7?05 4. ' 75' 4.' 503056' .7' 8' : 05679L6' 0 I =0"" 49B' 75' ; 049B' 493"A09.48"# ' 49' 67C0' : 85.4=A"85# A.' .20' .@ : 0' 73' .20' 50?0560' 46' 6.4""# C750' 8 : : 57 : 548.0' .7' .20' ; 47B58 : 2@' 73' 9.79@# .' : 50609.6' .20' 4 ' : 50?43N446"@' C85F0D' 79' 246' =7496' 49' .20' @085' 73' #7C0' , ,' 9$ ' " ' HN# 4796' < 050' 49' 67C0' < 8@' 75' 7.205' =7990=.0D' < 4.2' .20' ; 8DB0' 75' 86' 4.' < 050' 2058"D4=' D0?4=0' 73' .20' : 57AD' .54AC?45# 75' 7AB2.' .246' .7' ; 0' C8..05' 73' 6A5 : 5460# 0' =05.849"@' M86' 5# 85D < 0"# 7 ; 605?06N' D4D' ="84C' .7' ; 0' D06=09D0D' 357C' 05=A"06 ' 89D' C4B2.' .2050G 3750' ; 0' 0 I : 0=.0D' .7' .8F0' 8' "479' 375' ; 46' ; 08549B# .' < 86' 79"@' 34?0' @0856' : 50?47A6"@' ^86' 8..06.0D' ; @' "49@' 89D' "A.85=2' 79' 246' 50.A59' 357C' .20' ; 8.."0' 73' 28568"48 ' .28.' 20' 09.050D' .20' =4.@' < 4.2' "4796' @7F0D' .7' 246' =28547. ' 89D' @7A' < 4""# 50G C0C ; 05' .20' < 75D6' 73' 4=057' .7' ..4=A6' ^ : 46.# , ¯ , HQ# K (' ' ' + ' .' < 2050' 20' 6 : 08F6' 73' "4796' 86' 43' .20@' 8"< 8@6' 6ABG B06.0D' .20' 50=7""0=.479' 73' 9.79@ ' 89D' "08D6' A6' .7' =7990=.' .20C' < 4.2' 246' < 0""EF97< 4 "7?0' 73' : 858D0' 89D' 76.09.8.479*U 1 4 00.A50' ?44# "*N "A.85=2' 49375C6' A6' .28.' 49' .20' .54CC49B' 73' 246' ; 085D' .20' ; 508D.2' 73' 3750208D' 89D' .20# 8SA4"490' 9760' 9.79@' 5060C ; "0D' .20' 6.8.A0' 73

*

7:09"@' 86' 8==2A6'."40' ;094B989.' 89D' B0948"'
89D' .28.' .20' <27"0' =4.@' <86' .4""0D' <4.2' 4?@'
- > ' :68".05406':4:06'89D'3"A.06# 246'50=75D'
506:0=.49B' :206A6' 286' .20' B508.05' <04B2.';0G
=8A60'.2060'=7496'<24=2':50609.'.7'A6' 9.79@'49'
.20'=2858=.05'73' 8==2A6'<050'6.5A=F'49'.20':57G
?49=0'73' 648'<2050'4.'46'86=05.8490D';0@79D'8'
D7A;.'.28.'8""# .20'"9 + '3456.'68<'.20'"4B2.#
A.'4.'46'8"67'<0""EF97<9'.28.' 9.79@'<86'97.'
.20'3456.'975'.20'79"@'790'A:79'<27C'.20'68C0'
648.4=6'=7930550D'8""#.20'2797A56'DA0'.7' 80=24<#
№ 246'46'620<9'49' .20' 496.89=06'73' "0189D05'
.20' &508.'89D' "4.254D8.06'8"508D@' =4.0D*N1'
75'49D00D'D4D'.246'4938.A8.479'73' 85F' 9G
.79@L6'B4?0':"8=0;7'.4C0'375' 0""04A6'49375C6'
A6'.28.'20'T'<4.2'8'=57<9'73'4?@'89D'B7"D'9D'
27"D49B'>'.2@56A6'89D'<4.2';A6F496'79'246'"7B6'
<86'=84540D'49.7' "0189D548'79'8'=85'86') '
' 89D'.246':40=0'73'C8D9066'C8@';0'6009'
=AA445490D';@'89'09DA549B'C79AC09.0 A'.20'=749G
8B0'73' 8"89v8'49' @548# 28.'246'38?7A44.0'
"07:8.58'C4B2.'97.';0'<89.49B'49'205'7R?9
=0"06.48"'2797A4.4'20'=8""0D'24C60"3'<24"0'49'
B@:..' 64546'89D'4;05'8.05'89D'205'A98'89D'
646*1 3'.20'D8.0'73';7.2'.2060'=7496'97.249B'
=89';0'684D'.289'.20@'<050'6.5A=F';0375 0'.20'
@085'A"=" 9$'"'H N'86' "0859'357C'.20'
=7A64D8.0'496=54;0D'A:79'.20C*1 00' =F20"'?4#
'0.'60S*

'M 85=A6'.20'@7A9B05N'679'73'.20'
54AC?45';@' A"?48'246'60=79D'<430*1 9?06.0D'
<4.2'.20' + ' '83.05'.20'
3D8"D8@'73' =.4AC'20'<86'
6A;60SA09."@' .7' 246' 38.205L6
B6A4=4D0':A.'.7'D08.2';@'75E
MD05'73' 0.8?48AA6'8.'.20'377.'
73' 40685L6'6.8.A0'49' B@:..'
79'.20'H .2'73' :54"'49'.20'
@085'734"7C0' >H'9$'"'H,*N
20'8;7?0'=749'49'B7"D'73'.20'A6A8"64\0'46
86=54;0D'.7'.246'@7A9B'C89'86'C49.0D'8.'#7C0'
?4*' # , # # # 850' 208D' 73'
9.79@'.20'679*
\ ' # TB4_K' # # # 850'208D'73'.20' 8.205*
47990.'B4?06'.246'8A50A6'86'790'73'.20'3456.'
5854.@' ?8"A49B'4.'8.', '3589=6*1 ==75D49B'.7'
=F20"'.2050'85=' .<7'6:0=4C096'73'4.'0I.89.'/
.20'790'46'49'.20' C:0548"' 8;490.'8.' 40998'
.20'7.205'375C05"@'49' 40.05 0BA49L6'=7""0=.479'
46'97<'49'.20' 509=2'M824CD'8.' 8546*100'
0BA49'F ' :#,,>

'M N';57.205'73'.20' 54ACG
?45# 2050'850'904.205'B7"D'975';5866'=7496'73'
.246':05679'2A.'8'?05@'5850'64"?05'=749'73'.20'
9.7948'B096'<4.27A.':75.584.'46'=7964D050D'.7'
2085'246'98C0'89D'.4."0'86'.20'"0B09D'73'4.6'
7;?0560/1?4*

'3 'H ' # E W h h1 0=' 246'D7BE2M08D0D'"46\A50'79'8';5866'=749'73'
A6.'73'8'<7C89'<4.2'8';578D'628""7<E28.*1'
+ +# 20' 'M75'8ION'89D'.<7'
7 'M75'68=5434=48"?0660"6N*1.4B58?0D'49'
750""# 9.7948'B096' $'!'34B"?*
.'286';009'C8D0'C8..05'73'=79.57?056@'86'.7'
<24=2'73'.20'.<7' 9.7A44'.246'D4C854A6'46'54B2."@'
8664B98;"0'.7# MN90'73'.20C'46' # 9.79496';57E
.;05'73' 85=A6# 20'7.205'.20' # 9.79496'<27'
<86' 4=057L6'=7""08BA0'49'.20'=796A"624:'89D'
<27'<86'.20' 54AC?45L6=78649EB05C89*1 ?FE'
20"'<27'QN"8=06'.20'=749'49'SA06.479'8C79B6.'
.2760'73'K"85F' 9.79@L6'6.5A=F'49'.20'@085'A"=#
, '9$'"' >N'B4?06'67C0'8::8509."@'B77D'508G
6796'375'8D20549B'24C60"3'.7'.20'7:49479'C750'
B09058""@' :50?84"49B'8C79B6.'9AC4*6C8.4=' 8A.4E'
SA84406'89D'<24=2'8664B96'.20'=74A'.7'.20';57G
.205'73' 85F' 9.79@' 246' A4A6' A.7A4A6'
37AB2.'8B84A6.'8.4"490# 9'."40'D08.2'73'K9"4A6'
C685'20'<86'609.'86'# ' '49.7' 84O0E'
D7A48'89D'<86'.2050'D0308.0D';@ 5A.A6'<27'
.77F'24C':5467905'89D':A.'24C'.7'D08.2' '75'
H'@0856';03750'.20' 2546.489'3358*1 20'+ '
79'.20'<7C89L6'208D'46'D7A;."066'.20';578D'
628""7<'28.'<759';@'.20' 8=0D794896';A.'
<20.205'4.'<86'C089.'M86' 8?0508C:'=79.06.6N'
.7'8""AD0'.7' 8=0D7948'73'<24=2' # 9.79496'
28D'.20'B7Z0C4909.'46'97.'67'=05.849# 0'46
=8""0D'79'.246'=74A'# !% 6 1 8'D4B94.@'<24=2'
20'600C6'.7'28?07;.8490D'357C'KA"4A6'<209'.28.'
5A"05'8ABC0A.0D'.20' :5406.277D*1 '?4#
,*

' M N' 897.205';57.205'73'
85F' 9.79@# 20'37""7<49B'=749'49'B7"D'89D'
64""?05'MA94SAO'49'.20'375C05N'46'0I.89.'89D'8.G
.54;A.0D'.7'24C' 1?4*

850'208D'73' A=4A6'
9.79496*
6 B/ _ _ + _ _ _ - + _ _ _
0 _ + 1 _ _ "-- 9' 8 $' + '
7 ' ' 6 + $F' "B ; - +
'# 0 '! 8'; @'<27C'
.20'=749'<86'6.5A=F*N1 850'208D'73' 85F'
9.79@*
0="850D'49'.20'@085'73'#7C0':57.0=.75'73'.20'
.245.@'.54;06'20'<86'8:.749.0D' 79644"'49' ,H'
9$'"' ,*N1 A549B'.20'8;60900'73' 85F' 9.79@'
49' 648' 9=4A6'754B498.0D'<48.'246.754896'8""#
.20' 05A649489'<85'" ? ' ! %' ;@'0IG
=4.49B'.20':07:"0'73' .5A548'8B8496.' .8?48996'
C685'<27'28D'D4?4D0D'.2045"89D6'9C7C56.'246'
?0.0589'"0B47985406# 20'ML7969"'D4?309D0D'24CG
60"3'49' 0C6444'8459496.'.20';M640B49B'375=06'73'
ABA6.A6'89D' B54:QR8';@'<27C'20'<86'.8F09'
NN54679=5'';A.'20'84"05<85D6'C8D0'246':08=0'<4.2'
Wz685'<27'B8?0'24C'.20'B7?05975624:'73' :849#
20'.4C0'73'246'D:8.2'"4F0'.28.'73'246';45.2'
50C8496'A9F97<9*
'790'73'.20'C79*6.05EB7=' '73' .5@:.#
D7BE2M08D0D'"46\A50'79'8';5866'=749'73'
KA"48996' '<4.2'"0B09D' '# $0 "
+ #'8'=4.@'73' 8.4AC'49'.20'=7A9.5@'73'
.20' 7"604896'83.05<'85D6'C8D0'8'#7C89'=7"79@'
97<' ;3'.20'0:46=7:8"'600'73'.20'"9 '
+ ' '6 ' 45B4"'C8FM06'C09.479'73'.246'
89=409.':"8=0'86'=7990jO.0D'<4.2'.20'<75624:'73'
KA:4.05*1 00' +. 4*

' M 4.2@9434=N ' 97<' '
' #" 648.4=' A5FO@# 2050' <050'
60?058"# M5500F' =4.406' 73' .246' 98C0' k + % ; A.'
.28.' 64.A8.0D' 49' 4.2@948' 79' .20' 67A.2059' 627506'
73' .20' 57QN744.46' M 08' 73' 85C758N' 9085' .20'
C7A.2' 73' .20' 54?05' 89=409."@' =8""0D' 4"2@9D80A6'
<86' .20' 79"@' :8C=8' 79' <24=2' .20' 7C896'
;06.7<0D' .20' 589F' 89D' Y:54?4"0440б 73' 8' 3:'
89D' 86' 6A=2' 4.' ¯C09.4790D' ;@ "49@' ¯ ¯ ¯ H>*N'
.' <86' 8.' .456.' =8""0D' @5"08' 89D' 83.05<85D6' 50G
=04?0D' .20' 84N:0""8.479' 73' :8C08' 357C' '49 '
5446486' #" 2797A5' 73' 246' <430' + ' 9' .20'
=4?4"# <856' ."40' :89A 444896' .77F' .20' 64D0' 73'
KA"4A6' .0695' 8458496.' 7C:M@R' 89D' 4.' <86' A9D05'
ABA6.A6' ."48.' .2045' =4.@' ;0=8C0#="7"7948"# .6' $'
46' ' 73' .20' 37A9D8.479' 73' ' 7490' M>P*N ' # =*N
20' ' =7496' 73' :8C08' M;064D06' 8' 30<' AE'
.797C06N' =79646.' 73' ' + ' 49' ;5866'#
2060' =7CC09=0' <4.2' KA"4A6' 8?685' 89D' ABA6G
.A6' / 8' =06468.479' 73' =74949B' .209' 8:4C509."@' 7=G
=A550D' M<4.2' .20' 0I=0:.479' 73' 8' &05C8940A6'
MP4=685' 89D' 73' 89' B54:' 4498' A9*' 6.5A=F' A9D05'
8"4BA"8N' .4""# .20' 504B9' 73' +057 1 209' 97# C750'
850' .7' ;0' 37A9D' .4""# <0' =7C0' .7' 4.A6' <209=0'
.2050' 46' 8' 6F4:' .7' 58 89' 89D' 8894' .7' 9.794G
9A6' 4A6' 89D' # A50"4A6' .209=0' .20' "46.' 49'
474C0.' D46 D8@6' 8' D0D4=8.75@' 6054O6' 73' =7496' .7'
=7960=A.4?0' 0C:05756' <4.2' =7C:858.4?0"@' 30<'
7C4664796' 86' 385' D7<9' 86' &8""40AA6# 20' "0B09D6'
73' .2045' 850' 86' 37""7<' / 1

,N# *1 89D' # # ' # # # # #
M ; ;50?48.4796' 375' ' K ' - ' "- '
+ T3' ' -- % #
*EE # # # # & ' # #" # *1'
P 'MP <# # # # *1 # # # # * #
, Z # *1 # # # E'
4 7 ' *1 # # T4 ('
MN+M N 9# # &# # *1 E'
+ # # + # &# *O
' 60=79D' ;5866' 73'
.246' =7"79@' MB4?09' 49'
0""0549' 4# :4*
I I44# 7# N' :50609.6' 79'
B4.6' 7;?0560' ¯ ¯
2 ' ¯ 2 0 ¯ ¯
<4.2' .20' 58D48.0D' 208D'
73' 8"05489A6' 609475#
9' .20' 50?0560' M86' 79'
.20' 89900I0D' 09B58?49BN'
850' 375' "0B09D' ¯ ¯ ¯ ¯ ¯ ¯ 89D'
375' .Z NO' .20' 9D489' 8=0296' 98F40D' .7' .20'
<846.' 20' 6.89D6' 27"D49B' .20' ' M75'
<490E:4.=205N' 49' 246' 54B2.' 289D' 89D' 6A:.75.49B'
24C*6=43' <4.2' 246' "03.' 289D' 506.49B' 79' 8' :7"0'
57A9D' <24=2' 46' 09.<490D' 8' ?490E;589=?2' <4.2'
B58:06# .' 246' 300.' 8' :89.205# 9' .20' 340"D' 73'
.20' =749' .20' "0..056' # *
2050' 850' ?8547A6' 7.205' .@:06' 73' 50?05606' 86'
.20' 6A; 7490D' 8":28;0.4=8" ="866434=8.479' 73' .20C'
605?06' .7' 62MT<' / 1
+ ' ' ' M60=' .20' <75DN' 6.89D49B' <4.2'
:8.058' 89D' ;7<' 86' 49' # A50"4A6*
F3' ' :' 49' .20' 6A8#
C7D0' 73' 50:50609.49B' .28.' 38C4"@' B57A:' ' 86' 49'
85808""8' M600' 0""0549' ' :4# I?444# 7#
' :# >O*N N' 8=549A6' 89D' "0I# 0?05A6*
* ' 6.89D6' :50609.49B' <4.2' 790' 289D' 8

,
;A9=2' 73' B58:06' .7' 8' :89.205' 89D' 27"D49B' .20'
3 ' 49' .20' 7.205' ' 86' 49' &0.8' 89D' 58 89A6'
004A6*
9' 8' =749' 73' 7"A6489A6' .20' 9D489' 8==2A6'
6.89D6' ="7.20D' 49' 8' "79B' 57;0' 89D' ;085D0D' 8'
3' 38""49B' 357C' .20' .7:' 73' 246' 627A"D056/
20' 27"D6' 49' 246' 54B2.' ;8AD' .20' '
89D' =855406' .20' "03.' 289D' .7' ;46' 208D/ 8.' 246'
3330.' 46' 8' :89.205' M 47990.' F 7 + ' ¯?# :# ,>'
0.' 6=S*N
' ' 75' 5406.' :"7AB249B' <4.2' .<7' 7109'
86' 49' 057' 9.7949A6' 89D' &8""4=9A6*
. ' $ ' <?8"F49B' <4.2' 8' .75=2' 49' 08=2'
289D' 86' 49' # A50"4A6' 89D' K# 7C98*
! ' <4.2' 205' A6A8# 8..54;A.06' 86' 49' 9G
.7949A6' 4A6' 24"4:' 609*' 85D' &8""4=9A6*
4 3' <4.2' .2500' 57<056' 86' 49' 74943.4D96'
&75D489A6' 4A6' 589SA4 498' .804"48' 24"4:'
A9*' 50279489A6' &8""A6' 89D' &8""40AA6*
4 ' ! + ' ¯ 4# ¯ ¯ 8"3' 98"AlD'
C8"0' 34BA50' 6.89D6' <4.2' 5ADD05' 49' 54B2.' 289D'
89D' =759A=7:48' 49' .20' "03.' 86' 49' 9.7949A6' 54.46
4 ' $' + ' 50:50609.0D' A9D05' .20'
68C0' :05674A3408.479' 89D' 8..54;A.06' 86' .20' :50G
=0D49B' 50?0560' 6.5A=F' A9D05' &8""4=9A6*
- + ' 608.0D' 27"D49B' .20' :8.058' 89D' .20'
286.8' 86' 49' 85808""8' 75' 6.89D49B' <4.2' .20'
"7<05' 0I.50C4.406' =7?050D' <4.2' .20' + ' .20'
54B2.' 289D' 58460D' .20' ' + ' ¯ ¯ 49' .20' 2' 3.* 1'
' "4B2.0D' 8"..85' 89D' .20' "0..056' ¯ ¯ 49' .20' 340"D'
86' 49' &8""409446*
3' UK 1 20' "0B47985@' 08B"0' ;0G
.<009' .<7' 6.89D85D6' M75' H' 89D' [' 0964B96' 79'
8' =?056M6N' 86' 49' 057' 89D' MLB5808""8* 1 ^ ?"4060'
68@6' 84""89.' 850' 4964B948"73' .20' ?0.0589' "0B479G
85406' 754B498""@' :"8=0D' 49' .20' =7"79@' 04.205' ;@'
KA"4A6' 75' ABA6.A6' 89D' D7A;."066' 49.09D0D' .7'
620<' .20' 89.4SA4.@' 73' 4.6' 06.8;"462A40A.' A9D05'
.20' 7C896' ;A.' 9790' .20' =7496' @0.' D46=7G
?050D' 0I24;4.' .20' 98C0' 73' .20' "0B479' <24=2' <86'
609.' .7' :8C08 1 ' 44# >> *Q
6 ' 6 ' ' i $:' 86' 49' #
A50"4A6' 85808""8' 814CA6' 89D' 24"4:' .20'
@7A9B05*
F ' 6.89D49B' 79' 8' .5450C0' ' 86' 49' 58 89'
89D' 49' 9.7949A6*
' 608.0D' 79' 8' D7":249' 8' 5ADD05' 49' 205'
54B2.' 289D' 89D' .20' 8 DA6.5AC' 49' 205' "03.' 86' 49'
7CC7DA6' 75' =855@49B' 8' A:4D' 49' 205' 54B2.'
289D' 75' 6.89D49B' 86' .20' B7DD066' 73';08A.@' 79' 8'
=749' 73' KA"48' 7C98*1 ^? 40' "8..05' 01.24;4.6' 375'
.20' "0B09D' 73' 4.6' 50?0560' ¯ ¯
8AD' 375' .@:0' .20' ' # ' 1 # A'
05689' 49' 246' D06=54:.479' 73' 60"0=.' =7496' 49' .20'
""405' D0' 8A.057020' =8;490.' M:4# 3¯ 7# " M 286'
B4?09' 86' A6A8#<9.2' 24C' 8' ;08A.43A"# 09B58?49B'
73' .246' 0"0B89.' =7"7948"# 4C:0548"*0' 00' 8L
+
3' <8"F49B' <4.2' 8' ;A=F"05' 49' 790' 289D'
89D' 89' 785' 49' .20' 7.205' 86' 49' KA"4A6' 8?685' 75'
<8"F49B' <4.2' "8A50"# =57<9' 89D' :8"C' ;589=2' 86' 49'
&8""40AA6*
i ' .A550.0D' <4.2' 54B2.' 289D' 58460D'
6.89D49B' ;03750' 8' "4B2.0D' 8"..85' 86' 49' &8""4=9A6'
75' 20"C0.0D' 6.89D49B' <4.2' :8.058' 89D' =7CAE'
=7:48' 86' 49' 4.A6' 75' 8.0D' 79' 8' D7":249' 8'
6CA"# 34BA50' 73' 4=.75@' 49' .20' 54B2.' 89D' .20

E_ ==75D49B .7 .20 C@.27"7B@ 73 .20 &500F6 357C <24=2 .20 #7C896 8"C76.' 01E =4964?="@ ;7557<0D .2045 7<9 7; 0=.6 73 50"4B47A6 <75624: : 7""7 <86 .20 679 73 KA:4.05 89D 73 .20 .8C8549D .' 246 8".856 <050 68=5434=0D "8C;6 ;"8=F ;A""6 6200:' 89D 275606 20 2@C96 6A9B .7 246 :58460 <050 #q 89D ':' 89D # 46 =7964D050D .7 ;0 89 8==8"C8.479 73 4=.75@' 50305549B .7 @.279 + 46 D0:4=.A50D 79 8A=409.' :849.49B6 6=A":.A506 89D =7496 49 D4?056 <8@6/ <4.2 8 A?094"0 =7A9.0989=0 8 ;850 8 "8A508.0D 75 8 58D48.0D 208D 1 .20 2845 67C0 .4C06 8D A6.0D 89D .A590D A:' 8.' 7.2056 289B49B D7<9 "79B 89D =A5"0D 7C0.4C06 <4.2 ;7< 8AD 8557<' 86 .20 85=205 89D .20 D85.E3"49B=5 67C0.4C06 9085 8 .54:7D 86 .20 ?830W 75 :70. <4.2 8 605:09. 04.205 49 8""A6472 .7 @.279 75 86 .20 49?09.75 73 C0D4=4A0 <4.2 .20 "@50 75 .20 285:' 86 .20 :8.579 73 CA64=! <4.2 .20 + 83 75 :86.758"# =577F 86 .20 .A.0"85@'B7D 73 620:205D6 D54?49B 8 SA8D44B8 89D 27"D49B 8 <24:' 49 246 54B2. 289D 86 .20 =28547.005 73 .20 AA 9 8 "85B0 ;5866 73 "0I89D05 0?05A6 6.C0F ' >H, DA549B .28.' C:0575L6 =8C:84B96 49 .20 86. :7""7 6.89D6 49 89 086@ 8..4.AD0 246 54B2. 289D :749.G 49B A:<85D6 89D 246 "03. 27"D49B 8 <24:' 49D4G =8.4?0 73 246 :7<05 .7 :57C7.0 58:4D4.@ 49 8""AG 6479 .7 246 275006 4.2 .20 0I==N.479 73 8 C89."0 79 .20 627A"D05 .20 34BA50 46 98F0D 89D .2.' 208D 58D48.0D M C@.2 >H>*N 76.' 350G SA09."@ 20 46 50:50609.0D 98F0D 75 28"3E98F0D ;A.' 67C0.4C06 =7.20D 49 8 <7C89L6 57;0 7< 6.89D49B <4.2 0";7< 506.49B 79 8 =7"AC9 97< 608.0D 79 .20 .54:7D 75 8 =794=8" ?860 86 43 :50G :850D 375 D4?498.479 9 .20 B09058"4.@ 73 =7496 20 8::0856 86 8 ;085D"066 @7A.2 89D 0?09 <4.2 30C49490 308.A506 .27AB2 .2050 850 496.89=06 =4.0D 73 8 ;085D0D :7""7* + 208D "8A508.0D <4.2 .20 "@50 ;03750 4.' .20 <27"0 <4.249 8 "8A50" =57<9 3 4:0856 79 8 60=09D ;5866 73 ABA6.A6 86 50:50609.0D 49 .20 <77DE=A.' 8.' .20 208D t 3 .246 85.4="0* + 7 ++ 3 7==A56 79 8 D09854A6 73 .20 B096 1 600 .20 <75D* + "8A508.0D 208D 8:0856 79 D09854 73 .20 37""7<49B #7C89 38C4"406 ?4\ 0 3 *q) r3 3 3 A":A54448 86648 "8AD48 + MD48D0C0DN 50 C648 B98E .A4048 79.048 KA"48 4=4948 7""48 0CC48 BA"A48 1+ 8:48 0D8948 7;"4=48 7C:7948 76.AC48 05?4"48 A" 44E =48 =*1^ 2760 49 4.8"4=6 850 ""A6.58.0D 49 .2045 506:0=.4?0 :"8=06*Q + 9 208D 8D7590D <4.2 =A5"0D 2845 89D <4.2 8 6.85 8;7?0 7==A56 79 =7496 73 .20 B096 <4.2 .20 D48D0C 49 .20 :' 09=45="0D <4.2 .20 34""0.89D 8 6=0:.50 ;0249D 49 .20 89D 76.AC48 38C4"406 ^ 20 6=0:.50 67 :"8=0D 605?06 8==75D49B .7 4BB24A6 .7 DOG 97.0 .28.' .20 #7C896 49 .2045 68=50D 54.06 <75624:: 0D 86 67?0504B9 73 =""8 94C8.0D ;7D406 .20 D04.@ <27C 83.05 .20 018C:"0 73 .20 &500F6 .20@ 4D09.4340D <4.2 .20 W WQ + 9 46 8==75D49B"@ 6009 75G 98C09.0D <4.2 .20 =57<9 73 58@6 79 =7496 73 .20 SA4"48 r648 "8AD48 A=50.48 KA6*64D48 8"0548 89D 7.205 38C4"406 20 68C0 208D 375C49B .20 7;?0560 .@:0 73 67 C89@ D0A8544 503056 .7 .20 :7""4A85489 B8C06*

8.798 89D =8C0 49.W .20 <75"D <4.2 246 .<49 646.05 4898 49 .20 46"89D 73 0"76 20 B7D 73 208".2 73 "4.058.A50 89D 73 .20 .490 85.6 4.' <86 =2403"@ A9D05 .20 @7A.23A" B58=0 .20 97;"0 375C .20 289D67C0 "4908C09.6 73 :7""7 .28.' C89"@ ;08A.@ :05679430D 4.60"3 49 .20 ="8664 :0547D6 73 89.4SA4.@ 0 4.' <86 <27C 86 T .20 B7D 73 8"" ?0560C09 U :70.6 73 7"D 49 .2045 T 3490 3509\@LO 49?7FD 7 4C;A0 .20C <4.2 246 D4?490 496:458G .4796 6 .20 :8.579 73 CA64= .20 496.5AC09. 79 <24=2 20 D0"4B2. jOD .7 0I05=460 246 208?09E ;7C B094A6 <86 .20 "@58 75 =4.2858 :50609.0D .7 24C ;@ 05=A5@ 246 C76.' 8..58=.4?0 89D 8jl=749:"462=D ;A.' 8.' .20 68C0 .4C0 C76.' =5A0" "4=09.47A6 89D ?49D4=.4?0 73 .2760 D04.406 <27 20"D 6A:05475 589F 49 .20 =0"06.48" 508"C6 73 89=409.' 38;"0 <86 C7507?05 50B85D0D 86 8 6F4"G 3A" =28547.005 BA4D49B 6.00D6 97 "066 3"00.' 89D 3405@ .289 .2760 73 .20 A9 9 A905549B 85=205 .77 4.' <86 89 8557<' 357C 246 ;7< .28.' D0"4?050D .20 085.2 357C .20 605:09.' @.279 1 <24=2 28?G 49B 6:5A9B 357C .20 6"4C@ CAD 73 .20 D0"ABO 6:508D 4.6 58?8B06 857A9D .20 68=50D D46.54=.' 73 C7A9.' 859866A6 0 83.05<85D6 =7?050D <4.2 .28.' C796.05L6 6F49 .20 .54:7D 79 <24=2 .20 :5406.066 73 246 .0C:"0 608.0D 20560"3 <209 D0G "4?0549B 205 758="06 "A6479 .7 8"" .2060 49=4G D09.6 89D 8..54;A.06 73 :7""7 850 .7 ;0 37A9D 79 #7C89 =7496 46 ?7.85406 D46.49BA620D 24C ;@ 8 =7A3A60D 89D 49=79646.09.' ?8540.@ 73 98C06 0:4.20.6 89D 8664B90D 3A9=.4796 9D05 ."40 .4."0 73 ; #?K 75 F 3 86 =285B0D <4.2 .20 7334=0 73 D84"@ 4""AC498.49B .20 <75"D 20 46 50:50609.0D 79 =74A6 89D 7.205 CA6C09.6 <4.2 246 208D 58D48.0D 89D 8 <24:' 49 246 289D 04.205 6.89D49B 79 .20 B57A9D 75 54D49B 49 8 =85 D58<9 ;@ 37A5 ;75606 AC057A6 0D434=06 <050 D0D4G =8.0D .7 246 <7562:' .257AB27A.' &500=0 89D 790 73 .2t 54=206.' 89D C76.' 6A:05;' 73 246 .0C:"06 <86 .28.';A4".' 8.' #7C0 ;@ ABA*6.A6 8547A6 B8C06 <050 =0"0;58.0D .7 246 2797A5 20 ;@E .2489 49 C89@ :"8=06 .20 D0"4SA48 42 0"76 89D 8.' 4=08 49 4.2@948 .20 60=A"85 " q + 8 % 8.' #7C0 = 6 :50G 64D49B 7?05 .20 A606 C7A9.' 0"4=79 49 507.48 <86 20"D 68=50D .7 24C 89D 9AC057A6 7.205 :"8=06 7<90D .20 6A:056.4.47A6 493"A09=0 73 246 B7D624: C79B .20 894C8"6 =7960=58.0D .7 :7""7 <050 .20 <73 =F .20 9 .20 ?A".A50 ;064D06 .20 38;A"7A6 &543349* 1 C79B :"89.6 89D 35A4.6 <050 .20 "8A50" .20 7"4?0 89D

W *

4.8.4D6' <4.2' 246' 54B2.' 289D' "43.0D' A:' .7' .20' .7 :' 73' 246' 208D ' 24 ' "03.' 0" ; 7< 506.49B' 79' 8' =7"AC9*

#06 : 0=.49B' .246' 649BA"85' "0B09D ' 37A9D' 79' =7496' 73' 7CC7DA6 ' C49.0D' 49' 246' 64 I .2' =79G 6A"8.0 1 ?4*' *A*' a H ' , a N' 4EF20"' C8F06' .20' 37""7<49B' 50C85F6 1 T ".27AB2' <0' 349D' - ' ' 79' =7496' 73' .20' ' ' 38G C4"@ ' 89D' 28?0' .20' .06.4C79@' 73' 89=409.' 8A.2756' .7' .20' 8 : : 57 : 548.479' 73' .20' .4."0' .7' .28.' B7DD066 ' 89D' 0?09' .20' 508679' <2@ 4.' <86' B4?09 ' @0.' 6A=2' 46' 97.' .20' =860' <4.2' .20' 496=54 : .479' '

YS' =2858=.0546.4=' ; @' <24=2' :7 7' 46' D46.49BA4620D' 79"@' 79' .20' 07496' 73' 7CC7DA6'# 98 0' .7' 8==7A9.' 375' .246' =45=AC6.89=0 ' ' <4 ' 97.' 6 : 508D' C@' 684"6 .7' .20' <49D6' 73' =79 0=.950 ' 375' 49' .20' 68C0' C : 0575L6' C49. ' 8 : : 0""8.4796' 850' 86=54 ; 0D' .7' D04.406 ' <24=2' <050' .20' 7336 : 6B5' 67"0"@' 73' .20' 305.4"0' ; 5849' 73' 7CC7DA6 ' <27' M86 8C : 54D4A6' 68@6N' C8D0' 246' 8".058.4796' 89D' 8DD4G .4796' 49' 50"4B4796' C8..056 ' 58.205' 357C' 78 : 54=0' .289' 357C' 8' 60547A6' 300"49B*U ' M4D4# , >H*N 1 ' C79B' .20' "85B05' ; 5866' 73' .20' 37""7<49B' @085 ' <0' 600' .20' 68C0' : 7""7' 790.8' 50 : 08.0D*

+ I ' 1 ' 46' 98C0D' 79' 8' =744I ' 73' 24"4 : ' .20' 0"D05* 1 00' ▫ ▫ + 22 : 5

' # &95.3754# M 7' : 7""7' .20' 0309D05*N 1 : 7#3= 49' .20' 8=.' 73' D46=285B49B' 89' 8557<*

: 7""7 ' T' &7D' 73' .20' 64"?05' ; 7< U' 86' .20' 6A : : 760D' 493"4=.05' 73' 6ADD09' D08.2' M06 : 0=48""@ 43' .20' D0=0860D' <86' T 6A9' 6C4..09UN ' 86' <0"# 86' .20' 6.8@05' 73' : 06.4"09=0 ' <86' 8.' .20' : 0547D' <209' .246' =749' <86' 6.5A=F' 50B85D0D' <4.2' C750' .2*89' A6A8"' ?09058.479 ' 79' 8==7A9.' 73' .20' 49G =508649B' D067"8.479' 73' .20' : "8BA0# 246' C8"8D@' 600C6' .7' 28?0' .58?0""0D' 357C' .247 : 48 ' 89D' 46' 684D' .7' 28?0' 58B0D' ; [' @0856 ' D06.57@49B' 49=50D4 ; "0' 9AC ; 056' 73' : 07 : "0* 1 47990.' B4?06' .246' 8C79B' .20' 3456.' ; 5866' 73' 8"05489A6' M8 ; 7A.' # > [N ' 89D' F05C89' 8C79B' .20' ; 4""79' =7496' 73' &8""40E' 9A6 ' ; A.' =F20" 7C4.6' .7' 97.4=0' 4.*

' * 1 : 7""7' 98F0D ' 6.89D6' 27"D49B' 8' ; 589=2' 49' .20' 54B2.' 289D ' 89D' "0894 9B' 79' 8' =7"AC9*

=F20" 89D' 47990.' ; 7.2' B4?0' .246' 86' 357C' 8' 64"?05' =749' 73' 06=0994A6' 4B05# 20' 375C05' : 5797A9=06' 4.' .7' 28?0' ; 009' 6.5A=F' 8.' 9.47=2 ' 50305549B' 86' .20' B57A9D' 73' 246' 7 : 49479' .7' 8' 60=79D' ; 5866' 73' K9"4899 6' # <24=2' 0I24 ; 4.6' 79' 790' 64D0' M64=N M. P : 0' 73 : 7""7' 49' .20' 6.7"8 ' <4.2' : 8.058' 89D' "@50N ' 89D' 79' .20' 7.205 ' : 7""7' F97<9' .7' 28?0' ; 009' 589F0D' 8C79B6.' .20' : 549G =4 : 8" D4?494.406' <75624 : : 0D' ; @' .20' : 07 : "0' 73' ' ' F K

' # 75' # * 1 ' : 7""7' 8..450D' 49' .20' 6.7"8 ' M600' " ' ! # ' : # [, ' 6.89D6' 27"D49B' .20' + ' 49' 246' 54B2.' 289D ' 89D' 506.49B' 246' "03.' 79' .20' "@50 ' <24=2' 6A5C7A9.6' 8' 6275.' =7"AC9# 9' 64"?05' 89D' 3456.' ; 5866' 73' 7CC7DA6* 1 ' ; 5866' C0D8""479' 73' .20' 68C0' 0C : 0575 ' 286' 375' "0B09D' 73' 50?0560' # o ' # o D ! ' (' ' 2 ' (') 1 ' (' 1 ' =76# # # # 89D' .20' .@ : 0' 0I24 ; 4.6' : 7""7 ' 49' .20' 68C0' 0330G C498.0' D5066' 8664B90D' .7' 24C' 49' .20' =.48=' D0G 9854' 73' ABA6.A6 ' 27"D49B' <4.2' 246' "03.' 289D' 8' "@50' =79 749."@ <4.2' 4=.75@ ' <27' 6.89D6 ' ; @' 246 64D0*EEEE 00' F ' 49' ' . ' W ' + ' : 05' # 8 "89. ' : # [H*

2060' =7496' 28?0' 5030509=0' .7' .20' .0C : "0 ' <24=2' ABA6.A6 ' <24"6.' 86' @0.' ; 08549B' 97' 7.205' 98C0' .289' .28.' 73' =.8?489446 ' 050=.0D' 8.' #7C0 ' 49' 2797A5' 73' 246' BA85D489' D4?494.@' 49' .20' 8"8E' .4AC ' 8..8=249B' .7' 4. ' 8==75D49B' .7' A0.794A6 ' 8' : A ; "4=' "4 ; 585@# 0' 28?0' .20' .06.4C79@' 73' 479' 8664A6 ' .28.' .20' D8.0' 73' .246' 0?09.' <86' # A# =# , ' 9$ " ' H 'K' 9' 8""AD49B' .7' .246' .0CG : "0 ' 57 : 05.4A6' D06=54 ; 06' .20' 4D7" ' 4.6' D5066 ' 89D' : 764.479 ' 49' .2060' <75D6 1 ' !

049D0 ' 49.05' C8.50C' D096' 4 : 60 ' 49.05SA0' 675750C' #3 ? ' 49' "79B2' =89A498' ?06.0' =894.*

^ 9D' 90I.' ; 0.<009' 246' C7.205' 89D' .<49' 646.05 ' "73' .20' @.2489' &7D' 24C60"3 ' 49' 3"7<49B' C89."0 ' 649B6' 246' "8@6"Q

20' 38=.' 73' 246' ; A4"D49B' .246' .0C : "0' M68@6' =F20" ' ?44# , > ' , > [N' 46' 3A5.205' =79345C0D' ; @' .20' 6.8.0C09.' 73' ABA6.A6' 24C60"3 ' 79' .20' C85G ; "0' 73' 9=@58# 9 $ ' 4?# ?# ' , *N' #0 = ' 4 46# # # o ! .....824 1 20' 50G 97<9' 73' .246' + '# ' 6A ; 60SA09."@' 50G =04?0D' 8ABC09.8.479 ' 79' .20' 7==86479' 73' .20' ?4=G .75@' B8490D' *A*=# >H' M9*7# H , N ' 7?05' 9.79@' 8.' =.4AC ' 9085' .20' .0C : "0' 73' : 7""7' =.4A6 ' ?4D' 24C60"3' 86=54 ; 49B' .28.' : 40=0' 73' B77D' 375.A90' .7' .20' 49.05?09.479' 73' .246' D04.@ ' 49' .20' 37""7<49B' "4906 1

T' 464.0' "8A54B057' 68=58.8' 8"8.48' 200 ; 7*

T' ""0' 8560.7948G' C0564.' 49' 8".8' 58.06*U

1 ' ' ' 444# ?# H a*

^T' &7' 600' .20' 8"8.48' 68=50D' .7' .20' "8A50"E ; 08549B' 270 ; A6*

0' 4.' <86' <27' 689F' 49' .20' D00 :' .20' 8460.7948G' ; 85F6*UQ

20' : 70.' A606' .20' <75D' # ' 375' 3+ ' 357C' 85C.754AC' 8' .7<9' 73' 85E' C854=8 ' <24=2' 28D' ; 009' 8DD0D' .7' .20' D7C4947G' 73' B@ 4.' 89D' "07 : 8.58* 1 EZAD' .246' 46' .20' 508E

679' <2@' :7""7 8"8.4976' 8: :0856' 49' .20' 68C0' B85; ' 24*' .20' 5 ' 86' D706' :7""7' =.4A6' 79' *9AC057A6' =7496' 73' ABA6.A6' .20' C49.8B0' 73' <24=2' =7C06' <4.249' .20'@085' A*'=' H' 9$ " '>,N' 89D' 8"67' 79' D09854' 73' .20' 9.46.48' 38C4"@' <24=2' 850' 37A9D' <4.2' .20'' "0B09D' # oo! !' " ! / ' 9' 8' C85;"0' :A;"4620D' 2@' A58.754' M:' , , , a' 4*N' 8: :0856' .20' 37""7<49B 1 # ' E' ' #' | *' ' X_' n764CA6' 8"67' C8F06' C09.479' 73' .20' 8"8.490'.0C G :"0' 73' :7#7' 89D' 9A9489A6' 85=0" AA6' 50G "8.06' .28.' DA549B' .20' 504B9' 73' KA"489' .20' :76E _' .8.0' 4.' <86' D06.57@0D' ;@' 3450' <209' .20' 85C498' AC898' 28D' 8' 98557<' 06=8:0' 73' 628549B' 4.6' 38.0* ' # ' 75' (S!;' E' | # ' ' *1 :7""7' 98F0D' 6.89D6' 27"D49B' 49' .20' 54B2.' 289D' 8' ;589=2' 73' "8A50" ' 89D' 49' 246' "03.' .20' "@50' ' 75' 506.6' 246' "03.' 79' 8' .54: 7D' 9' "85B0' ;5866' 89D' 49' 7.205' C0.8" 89D' 375C6' 73' 50;7E' 9489A6' &8"" A6' 89D' 7"A648996* 7' .20' C46375.A906' 73' :50=0D49B' 504B96' .7' .20' 49.0598" =79?A"64796' 73' .20' 0C:450' .7' .20' 49?864796' 73' ;85;854896' <86' 8DD0D' .20' 6=7A5B0' 73' 8'.0554;"0' :06.4"09=0' <24=2' 58?8B0D' .20' #7C89' <75"D' DA54AB' .20' 504B96' 73' 50279489A6' 89D' 67C0' 73' 246' 4CC0D48.0' 6A==066756' 2060' :549=06' .7..0549B' 79' .2045' .257906' 49?7F0D' 49' ?849' 89D' 49' 6A==066479' .2760' 38"60' D04.406' .7' <27C' A9D05' .20' 4""A64796' 73' :8B8946C' .20@' 86=54;0D' 8' :7<05' 7?05' .20' 208".2' 73' C75.8"6' 20'0:4.20.' D0D4=8.75@.7' + ' 79' .246' 50?0560' 0?4D09."@' :749.6' .7' .2760' :58@056' 89D' ?7<6' 1 ^ 5' 0 '>H,* !#0305549B' .7' .20'8;7?0' =7496' =F20" M?44" H[N' 8"67' 7;605?06' .28.' .20@' <050' 6.5A=F' 8;7A.' ' ' >[,'8C4D6.' .20' 58B49B' 73' .28.' D508D3A" :06. =9==' <24=2' 34""0D' .20' <75"D' <4.2' C7A5949B' 89D' <209' :7""7' 86' .20' B7D' :5064D49B' 7?05' 208".2' k5 5' + 5 5% <86' 49?7F0D' ;@' .20' 0C:05756' 89D' :A;G "4="@' 4C:"750D' MR@ .20' <27"0' =7CCA94.@' 375' .20' 50C7?8" 73' 67' AA4?0568" 89D' D06.5A=.4?0' 8'6=7A5B0" A54AB' .246' B540?7A6' C75.8"4.@' 86' 4=.75' 01G :506606' 4.' T' &8 A6' 89D' 7"A648996' <79' .20' 38?7A5' 73' :7 7' ;@' .20' 89147A6' 89D' 60DA"7A6' 8..09.479' <24=2' .20@' :84D' .7' .20';A548"6' 73' .20' C76.' 2AC;"0'49D4?4DA86*V 1 :.57:548.0"@' .7' .20' "0B09D' <24=2' :57:4.48.06' .20' 208"49B' 493"A09=06' 73' :7 7' 8' ;589=2' 73' "8A50" ' 75' 73' 7"4?0' 46' =79G 60=58.0D' .7' .246' D4?494.@' 375';7.2' 790' 89D' .20' 7.205' <050' A60D' ;@' .20' 89=409.6' 49' .20' =050C79@' 73' "A6.58.479" 2A6' KA?098" A:050A.' "A6.58"4 ! E' 64' 3750.' 2 C4D8" "89C6" "F ' 44" , E 9D' 45B4"E D0C'.05'67=476':A5 '=45=AC.A"4.'A9D3. :85B096'.750' "0?4' 0.'58C7' 3="4=46' 7"4?r' 446.58?4.SA0' ?4576' D414.SA0' 97?4664C8' ?05;8* "-8 ' ?4" ?* u\c - T' "D' 27549196' =7C:866LD' .254=0' .20' =50<* 9D' D4::LD' 89' 7"4?0';58A=2' 49' 27"@ D0< 24=2 .254=0' 20' 6:549F"0D' 57A9D' 89D' .254=0' 8"7AD' 9?7FLD' .20' D08D' 89D' .209' D46C466LD' .20' =57<D*U 7 ' ' 5 EEEEEE :7 7' 28D' 89' 758="0 8.' "8576' 49' 7948' 209=0' .20' 98C0' "854A6' A9D05' <24=2' 20' <86' <7562 4:::0D';@' .20' :07:"0' 73' 7"7:279' 89D';@' .20' 4928;4.89.6' 73' C@598* 1' 20' 4C8B0' 73' .246' :7 7' 8::0856' 79' 8' =749' 73' &75D48986' 4A6' 349' L8.4AL6' ' ++' 6 ' :* '' > [N' 64..49B' <4.2' "8A50" 49' 54B2.' 289D' 89D' .20' =4.2858' 49' 246' "03.1 600' #86020* 1 "67' 79' 89' :8C089' =7"7948" ' 6.5A=F' A9D05' A50 A6* 1' 00' + + ' F 1 20' 208 9B' 75' 208".23A" :7 7* 1 9' 8' D09854A6' 73' 85808 8' 28?49B' 375' .20' "0B09D' 73' 4.6' 50?0560' " " $ ' # ' I ?444* =76" 4444" " " M4" 0" 7?0G 504B9' 79.433' 49?06.0D' <4.2' .54;A94.489' 8A.2754.@' 375' .20' , .2' .4C0" 796A" 375' .20' .2' .4CO"N' :7 7' 46' 608.0D' 20' 27"D6'A.:' 8';589=2' 73' "8CE0" 49' 246' 54B2.' 289D' 89D' 506.6' .20' "03.' 85C' 79' 246' " ' <24=2' 46' :"8=0D' 79' 8' .54:7D* 246' 46' 790' 8C79B' 60?04" =7496' <24=2' <050' 6.5A=F' DA549B' .20' 504B9' 73' 85808 8' 89D' <24=2' ;085' D450=.' 8 A647A' .7' .20' .209' :50=8547A6' 6.8.0' 73' .28.' 010=58;"0' .@589.L6' 208".2' 58=F0D' 86' 246' BA .@' C49D' <86' <4.2' .20' :89B6' 89D' .055756' 73' 50C7560' 8.' .20' 50C0C;589=0' 73' 246' 358.54=4D8" =54C0" 49D49B' 97' 50:760' 375' 246' 8335AB2.0D' =79G 6=409=0' 83.05' .20' CA5D05' 73' 246' ;57.205' &0.6' 20' ;0.27AB2.' 24C60"3' 73' 4C:"7549B' .20' .A.0"85@' D4?494.406' 73' 208".2' 89D' 8==75D49B"@' 8D 5=66=D' 24C60"3' .7' 6=A"8:4A6' 89D' .7' :7 7*1 '64C 85' .@:0' 73' :7 7' 79' 8' .245D' ;5866' 73' .20' 68C0' 0CG :0575' .20' "0B09D' =75506:79D6' 8"67' 01=0:.' 49' .20' * :" <24=2' 46' I?44* + ' F K 5 EEEE C79B6.' 246' ?8547A6 6A598C06' 89D' D46.49=.4?0' 8::0""8.4796' .28.' 73' C49.24A6' <86' 8664B90D' .7' :7 7' M8==75D49B' .7' 67C0' <54.056M' 357C' .20'$ ' 73' 246' 28?49B' D0G 6.57@0D' 75' D54?09' 8<8@' .20' ' ;@' <24=2' ;0375D' 246' ;090?77'09.' 49.05:764.479' .20' .7<9' 73' C49.20' 75' C49.24AC' 79' .20' =786.' 73' .20' 578D' 28D';009' 7?05E5A9' 89D' <2050' 7A.' 73' B58G .4.AD0' 8' .0C:"0' <86';A4 5.7' 246' <7562 4:*1 ' :=6 73' .20' C49.2489' :7 7' 8::085' 79' =7"7948" 4CG :0548" =7496' 73' "0189D548' 5786' 97.' 385' 357C' <24=2' :"8=0' C49.24AC' <86' 64.A8.0D*1 75' 67C0' 97.4=0' "0 ' 86' CA=2' 86' .20' 6A;0=.' D0605?{ 6N' 73' <28.' 46' =79""4=.49B"@' 6.8.0D' ;@' 89=409.' 8A.2756' 506:0=.49B' .20' 754B49' 73' .246' 0:4.20.' 86' 8::"40D' .7' :7 7' ;@' .20' 4928;4.89.6' 73' 648' 4975' 600' . ' ' ' ?7"" 44" * + ' 6.89D49B' <4.2' 246' "@50' 246' 54B2.' 289D' 27"D49B' 0856' 5" ; " 8::0856' 79' 60=79D' ;5866' 5" "8AD4A6' &7.24=A6' <4.2' "0B09D' " 20' 37 7<49B'.@:06' 73' :7 7' 7=04AE' 79' =7"7G 948" 4C:0548" =7496' <4.2' ' "0B09D6'E1 064D06' .2760' 73' "0189D548' 5786' 89D' :8C08' 8;7?0' 97.4=0D' :7 7' 8::0856' 79' 07496' 6.58=F' 49' .20' =7"79@' 73' 0068508' 8"06.49=0' A9D05' 8D5489' 9.79490' 89D' A50 A6 1 73' 7549.2' A9D05' 759E C7DA6 1 73' 8.560' A9D05' 057' 7C4.48A' A50"4A6' 89D' 7CC7DA6 1 73' 0A".AC' A9D05' 814CA6' 80685' 89D' A9D05' &75D489A6' 4A6 1 73' @50' A9D05' 50279489A6' &8 A6' 89D' &8" 09A6* 9' 8' .245D';5866' 73' 814CA6' M67A' 73' .414C4E' 996N' 6.5A=F' 8.' 0A".AC' :7 7' 6.89D6' 27"D49B' 8' "8A50" ;589=2' 49' .20' 54B2.' 289D' 89D' :"8=49B' <4.2' 246' "03.' 8' "@50' 79' 8' .54 47D" 03750' 246' 300.' 46' 8' "4B2.0D' 8".85* 1 ^T :7 7' M6806 8 "89.' 44" , [N' ;0856' .20' ' 86' =7960=58.0D' .7' 24C' 79' 44E =7A9.' 73' 246' 50:A.0D' B43.' 73' 3750.0" 44B' 90A.61

% ' # *

% 1 89D' -0 ' EEEEE 00 8B"0*

% ' 8' 79=0' 38C7A6' =4.@ ' 9085' .20' D548.4=' 608 ' 89D' .20' 2855405' 73' .8"@' 79' .28.' 64D0# 9' .20' "7<05' 0C : 450' 4.' <86' .20' =8 : 4.8"# 73' .20' 090.489# .0554.75@ ' 2A.' <86' D06.57@0D' ; @' .20' A96 ' A9D05' ..4"8 ' 49' ' [H#' .' 46' 97<' 79"@' 8' C866' 73' 5A496' 89D' 27?0"6 ' .20' 50675.' 73' 346205C09* 1 .' <86' 8.' .20' 640B0' 73' .246' .7<9 ' 2@' .20' 3057=47A6' 258=489 ' 8I4C49A6 ' .28.' .20' ?77C09' 73' SA4"048' 83375D0D' 8' C0C758 ; "0' 49G 6.89=0' 73' =7A58B0' 89D' D0?7.479 ' 3A5' .20' =75D8B0' 20"79B49B0.7' .20' C8=24906' 73' <85' ; 049B' <759' 7A. ' .20@' 8"" =A.' 733' .2045' .506606' .7' 6A : : "@' .20' D030=.* 1 20' 494.48"# "0..056' 73' .20' 98C0' 86' 8' C49.' C85F' 350SA09."@' 7==A56' 79' .20' 0 I 05BA0' 73' #7C89' =7496' 357C' 47="0.489' D7<9<85D6# 00' %# =*

% ' # ' 60=79D' <430' 73' "8B8E ; 8"A6* 1 246' : 549=066 ' <27' 46' D06=54 ; 0D' .7' 28?0' : 7660660D' B508.' : 056798"# 8..58=.4796 ' <86' .20' D8AB2.05' 73' %A49.A6' SA4"4A6 ' <27' 28D' ; 009' .<4=0' 796A" ' D8549B' .20' 504B9' 73' 858=8""8"# "8B828"A6 ' 83.05' 50 : AD48.49B' KA"48' 8A"8 ' .77F' SA4"48'357C' .20'68=50D' =7CCA94.@' 73' .20' 06.8"6 ' 89D' C85540D' 205 ' 49' .20' @085' ' ' UUH ' .7' .20' B508.' =796.0598.479' 73' ; 7.2' : 5406.6' 89D' : 07 : "0' 8.' #7C0* 1 9' 8' 30<' D8@6 ' 620' 8"67' <86' D4?75=0D' ; @' .28.' <50.=M ' 73' 89' C : 0575 ' <27' .209' .77F' 9949' 8A6.498' .7' <430' 89D' 83.05<85D6' .<7' 7.205' "8D406# 450D' 73' .20' .2500' "86. ' "8E' B8 ; 8"A6' 0I : 0""0D' .20C ' 08=2' 49' .2045' .A59 ' 357C' 246' : 8"8=0 ' 89D' : 573890D' 835062' .20' 54.06' 73' C8.54C79@' ; @' 8B849' 06 : 7A649B' SA 48' 0?056# 20' =79.49A0D' <4.2' 24C' . ' .20' .05C498.479' 73' 246' C796.57A6' "430' 89D' C76.' 0I0=58 ; "0' 504B9 ' # ' >>>* 1 20' : 5097C=9' 73' - ' 46' 8DD0D' 79' 205' =7496 ' 620' ; 049B' .205079' 6.@"0D' ¯ ' 45 ' # M75' * A' 1 20' 098.0' 09G 6"8?0D' .7' .20' 4C : 0548"# <4"" ' =S9345C0D' .7' .246' 0C : 5066 ' .20' .4."0' 73' ' <24=2' "8B828"A6' 28D' B4?09' 205* 1 "" 205' =7496 ' 49' 08=2' C0.8"# 89D' 64\0 ' 850' 73' C750' 75' "066' 5854.@ / 49' B7"D' 73' .20' 24B206.' D0B500* 1 7C0' : 40=06' 50 : 50609.' 205' <4.2' "8B828"A6*

% ' B096* 1 246' #7C89' 27A60' 28D' .<7' ; 589=206 ' 790' 8.54=489 ' .20' 7.205' "0 ; 0489# C79B6.' .20' ,>' ?8540.406' B4?09' 49' K"750" ' .2050' 850' 67C0' =A547A6' .@ : 06' 79' .20' D098544' 73' .246' 38G C4"@' ' .8F0' .20' 37""7<49B' 50?0560' 375' 0I8C : "0/ 1 ' # % # # :# # / ' 0 ' ' ! ' ' + % 20' .@ : 0 ' 8' 67"D405' 6.89D49B ' 85C0D' <4.2' 8' ; A=F"05 ' "43.49B' A : ' 75' 27"D49B' A : ' 8' F900"49B' <7C89/ ; 0"7<' 46' .20' <75D' ' M 4= 44O* 1 =F20" ' ?" , >*

9' .246' 64"?05' =749 ' 89D' 49' 897.205' <4.2' .20' 68C0' .@ : 0 ' 5030509=0' 46' C8D0' .7' .20' 246.754=8"

% "? #*' ,

38=. ' .28.' 894A6' SA4"4A6' M73' .20' + ' 6.7=FN' <86' =796A"# 49' .20' @085' A*0*' [' 9$ " ' , ,N' 89D' <4.2' 246' =7""08BA0' # 848A6' M=76*' ?*N' <86' 609.' .7' 4=4"@ ' D4949B' .20' <85' 73' .20' .8"489' 3AG B4.4?06*' 28.' <85' 20' 6A==00D0D' 49' ; 549B49B' .7' 8' ?4=.7547A6' .05C498.479 ' 89D' 28?49B' : 08=03A""@' B7?0590D' .20' : 57?49=0' 375' .<7' @0856 ' 50.A590D' 49' .54AC : 2' .7' #7C0*' 00' .20' <75D' 64=4 *

2050' 850' 7.205' .@ : 06' 73' .20' SA4"48' 38C4"@ ' 6.5A=F' ; @' # SA4"4A6' "75A6' M<27' <86' 73' 4.6' +) ' 6.7=FN' 86' 8' C790.8"# .54AC?45' 73' ABA6G .A6 ' 8 ; 7A.' .20' @085' 73' #7C0' H ' 9$ " ' > N 1 ' 86' .75' 0I8C : "0' .20' 37""7<49B

1) * 1 #' % *EEEEE 850' 208D' 73 ABA6.A6*

! 1 ' %444 4?6' # ' !!! !* 1 ' 3"7<05*

@' .246' 0"0B89.' . L : 0' 73' 89' 7 : 090D' 3"7<05' M : 57 ; 8 ; "@ ' 357C' 4.6' 375C ' .20' @89A6N ' A=4A6' SA4""4A6' 8""AD06' .7' .20' 754B49' 73' .20' 6A598C0' < =2' 20' 28D' D054?0D' 357C' 246' 89=06.756* 1 ' 8?=5=8C : ' 49'

<7' 7.205' D098544 ' 6.5A=F' 2@' .20' 68C0' "75A6 ' : 766066' 246.754=8"# 49.0506. ' ?4*' 6A=2' 86' ; 085' .20' 6@C ; 7"6' 73' ' + ' 89D' 73' .20' 3' , ' $ ' ' ! *1 00' # ' # 89D' & ' # 548* 20' =7496' 73' .246' 38C4"@' 850' 49' 64"?05' 79"@ ' 89D' 73' 8' "7<' D0B500' 73' 5854.@*

% ' 1 8B"0' ; 08505# .' <86' 20 ' 86' .20' <75D' 4C : 75.6 ' <20' =85540D' .20' 8B"0 ' 49' .20' C4D6.' 73' .20' ' 49' 08=2' 0B479# 20' $ ' <050' D4330509.' 357C' .2760' <27' <050' =8""0D' $ ' 89D' <27' ; 750' .20' 7.205' 6.89DG 85D6' 73' .20' #7C89' 85C@# M 00' ; ' ' % C79B' 7.205' 50?05606 ' <24=2' <4.2' .20' "0B09D6' 73' '# $ ' + ' =*' 350SA09."@' 8 : : 085' 79' =7496' 73' .20' C : 0548"# 6=5406 ' =2403"@' 49' "85B0' ; 5866 ' .2050' 46' 790' 73' 58 89L6' D06=54 ; 0D' 2@' 8 : .849' C4D2 ' : # a ' <2050' T .20 C : 0575 ' <08549B' 8' ' M75' ; 5086.' : "8.0N' 46' 608.0D' 79' 89' +' 628 : 0D' =A5A"0' =2845 ' A : 79' 8' 24B2' 6ABB06.AC# 0' 46' 8DD506649B' ; 46' 85C@ ' <24=2' 46' 50 : 50609.0D' 2@' 89' 7334=05 ' .2500' 0 $ ' 89' 49389.5@' 67"D405 ' 89D' 790' 73' =8E' ?45@ 1 67C0' 73' <27C' 27"D' A :' .2045' 289D6' 49' 8 : : "8A60* 1 20' =749' <86' 6.5A=F' * # , , [*U

* 1 246' <75D' 89D.20 < 75D' h3850"M<209=0' .20' 509=2' ' 89D' 74C' 9B"462' % ' <050' A60D' ; @' .20' #7C896 ' .7' 64B943@' 506 : 0=.4?0"@' =05.849' 6.5A=.A506 ' 0"0?8.0D' 8 ; 7?0' .20' B57A9D ' 8.' .20' 375C05' 73' <24=2' : 58@056 ' <4.2' "4 ; 8.4796 ' <050' 733050D' A : ' 89D' 8.' .20' "8..05' 73' <24=2' ?4=.4C6' <050' 4CC7"8.0D ' .7' .2045' &7D6*

6' 50B85D6' : 8B89' 89.4SA4.@ ' .20' 3456.' 49?09.75' 73' ".856' 46' A9F97<9' ' ; A.' .20' =A6.7C' 73' 584649B' .20C' 375' 50"4B47A6' : A5 : 7606' 0?4D09."@' : 8660D' 357C' .20' &500F6'é.7' .20' #7C896# 20' &500F6' 28D' : 57 ; 8 ; "@' ; 7557<0D' 4.' 357C' .20' B@ : .4896

> * V

.7' <27C' 057D7.A6' 86=54;06'.20' 754B498"' 8D7:G .479'73' ".856' 89D'.20'D0D4=8.479' 73' 4C8B06' 49' 2797A5' 73'.2045' D04.406#' 7"@' (54.' 2050' 6.0:6' 49'.7'.20' 84D' 73' 246.754=8"'.5A.2' ' 89D' .08=206' 96' .28.' 782' 8' <75624::05' 73'.20' 9"@' 5A0' &7D' <86'.20' "456. ?27' ;A4".' 89' 8".85*

1 # ' 8C79B' .20' 89=409.6' D43G 3050D' 49'.2045' A606' .2045' 375C6' .2045' 8D759G C09.6' 89D'.20' 64.A8.4796' 49' <24=2'.20@' <050' :"8=0D'# 20@ <050' 67C0.4C06' 57A9D' ;A.'.20' 6SA850' C750' B09058""@' :50?84"0D'# 2045' 375C6' ?8540D' B8849' 8==75D49B' .7'.2045' C8.0548""'# 20' C0.8""4=' 7906' <050' 375'.20' C76.' :85.' 73'.20' .54G 89BA"85' 628:0'# 20' B508.05' :75.479' 73'.2760' 27<0?05' <24=2' 28?0' 06=8:0D' .20' 58?8B06' 73' .4C0' 850' 73' C85;"0' 75' 73' 7.205' 6.790'# 2045' 204B2.' ?8540D' CA=2' 67C0' D4D' 97.' 0I=00D' .<?7' 300.' 7.2056' <050' 8;7A.' 86' 24B2' 8B849*1 2760' 49.09D0D' .7' 50=04?0' .20' "4;8.4796' 86' <0"" 86'.2760' D064B90D' .7' 27"D' .20';"77D' 73' ?4=.4C6' <050' 27"G "7<0D' 7A.' 8.' .20'.7:' 89D' 8' C7?08;"0' 6.7?0' 75' :89' 605?0D' 7==864798""@' .7' =79.849' .20' 3450' 375' ;A5949B' 49=0960*1 9' 306.4?8"6' <209' :50:850D' 375' 68=5434=0' .20@' <050' D50660D' <4.2' 306.7796' 73' 3"7<056' 35A4.6' 89D' B586606' =8""0D') :" 8"67' <4.2'.20' "08?06' 75';589=206' 73' 6A=2'.5006' 75':"89.6' 86' <050' 68=50D'.7' 08=2' 73'.20' D4330509.' D4?494.406*1 75' <86'.20' 6=A":.75L6' 85.' 7C4..0D' .7';0' 0C:"7@0D' 49'.20' C74O0' DA58;"0' 0954=2C09.' 73' ".856'# (0' 600' 79'.20C';8667' 50"40?76' 50G :50609.49B'.20' 208D6' 73' 68=5434=0D' 894C8"6' 34BA506' 73':8.=586' ?8606' 89D' 7.205' 68=5434=48"' 496.5AG C09.6' C49B"0D' <4.2'.2760' 73' B85"89D0'" %' .28.' D0=758.0D'.20' ?4=.4C' 89D' <4.2' <77""09' 34""0.6' 89D' 7.205' 8==06675406' 73'.20' 68CO' F49D'# 7.'8' 30<' 850' 6009' =285B0D' <4.2' 496=54:.4796'.28.' C85F'.20' 0:7=28' 89D' C7.4?06' 73'.2045' =7960=58G .479' 8DD0D'.7'.20' 98C06' 73'.2760' <27' =8A60D' .20C'.7';0' 050=.0D' 8A ' 73'.20' B7D' B7DD066' B094A6' 75' D04340D' C75.8"' <27' 28::090D'.7';0' .20' 7;0=.' 73'.246' D0?7.4798"' 8=.'# 20' 34906.' 73' .2060' 850' 0C;0""4620D' <4.2' 34BA506' 89D' 8..54;A.06' 73'.20' :85.4=A"85' 7;0=.' 73' 4D7"8.57A6' <75624:'# 9D00D' 357C' .20' 6=A":.A58"' 7598C09.6' 73' 8' #7C89' 8".85' C8@' 8"C7 .' 49?8548;"@' ;0' 86=05G .8490D' <28.' D04.@' 4.' 28D' ;009' 49.09D0D' .7' 2797A5'# 75' 0I8C:"0' .20' 08B"0' 89D'.20' .2A9G D05';7".' " 0 ' ' $) % ' D064B98.0D' ' - ' ' .54D09.' 89D' .<7' D7":24A0' C85F0D' 89' 8".85' .7' 0:.A90'# ' 8==289.0' <4.2'.20' 3 ' 8' :89.205' 75' 8' 37"48B0' 73' 4?@' "08?06' 62=<?0D'.20' * ' ' "4?0"08?06' 89D' 67C0G .4C06'.20' <'# <050' =85?0D' 79'.2760' 73' 4909' 8'# 20' 58?09' .20' 6.8B' .20' "@50' 75' 8' .54:7D' 49D4=8.0D' 8' =7960=58.479' .7' :7"" 7' 79' <2760' 8".856' "8CID' ;589=206' <050' 8"67' D46.49=.4?0' 4964B948'# ' 605:09.' 09.<490D' 57A9D' 8' 6.833' 75' 8' .54:7D' :749.6' .7' 6=A"8:496' 75' @B048' 75' 7.205' D4?494.406' 6A::760D' .7' :5064D0' 7?05' 208".2'# 4898L6' 8".85' 46' .7' ;0' F97<9' ;@' .20' B7DD066L6' 7<9' 4C8B0' 75' ;@' 205' 8..54;A.06' .20' ;7<' 8557<' 89D' SA4?05' 67C0.4C06_<4.2' .20' 8==7C:894C09.6' 73'.20' 6.8B' 89D'.20' D7B'# ' 6SA850' 8".85' 7598C09.0D' <4.2' 420' 34BA506' 73' .<7' 6.8B6' 89D' <4.2' 306.7796' 73' 54;;89D6' 8:G :0856' 79' 8' 64"?05' C0D8""479' 73' ABA6.A6' ;08549B' .20' "0B09D' 73' & ' ^ 246' C0D8""479' 68@6

* *

47990.' <86' 6.5A=F' 49' 648*0' 20' C@5."0' 89D' .20' D7?0' 50?08"0D'.20' ".85' 73' 09A6' .20':7:G "85' .20'="A;' 75' 67C0' 50:50609.8.479' =7990=.0D' <4.2'.20' 6.75@' 73' 246' "8;7A56' 850' 0=0A"485' .7' 8".856' 8.' <24=2' 05=A"06' <86' 8D750D' .20' :490E' .500' 46' B4?09' .7' 89' 89D' 8';8==2898"' .7' 4"09A6'# 20' 8".856' 73' 0506' <050' F97<9' ;@' .2045' =759E' 0856' 89D' :7::406' 8"67' ;@' .20' 4C8B0' 73' .20' B7DD066' 27"D49B'.<7' .75=206' 49' 8' ;4B8' 73' D58G B796'# 20' "7.A6';0*6:8F0'.20' D0?7.00' 73' 058:46' 89D'.20'=@ 5066'.0""6' A6'.28.' #7C89' 6A:056.4.479' D4=.8.0D' :57:4.48.75@' 68=5434=06' 0?09' .7' ."40' $ ' B7D6' <2760' 8".856' 27<0?05'_ ?050' 866 64B90D'.7' 6A;.0558907A6':"8=06*1 F . ' 73' 4""49' 89D' C4.2' 85.4="0' 7507?05' 4.' <86';03750' ".856' .28.' 49' .7A=249B' 89D' 68=5434=49B' A:79'.20C' ;7.2' F49B6' 89D' :07:"06' 6<750' .7' F00:' .508.406' 73' :08=0' 8C4.@' 89D' 8""489=0' .28.' C8B46.58.06' .77F' 78.26' 73' 34D=2.@' 89D' .28.' 49D4?4DA8"6' :"0DB0D' .20C9' 60"?06' 49' .2045' 50=79=4"48.4796' 89D' .2045' C85G 548B06*1 00' ' □ ' ' ' *

V(4.249' .20' .0C:"06' .20' :549=4:8"# ' <86' :"8=0D' 49'.20' C76.' 68=50D' 50=066' 8.' .20' 377.' 73' .20' 6.8.A0' 73' .20' D04.@' <75624::0D'.2050'# 246' <86'.20' C76.' 0"0?8.0D' 89D' 375'.28.' 508679' =8""0D' ' 79' .246' 49=0960' 89D' :053AC06' <050' ;A59.' 89D' "4;8.4796' C8D0'# 20' 60=79D' <86' :"8=0D' 79'.20' 7A.64D0';03750'.20' :75.8"' 73'.20' 0D434=0' 89D' <86' A60D' 375' 68=5434=06' 49' <24=2';"77D' <86' 620D'# 20' .245D' <86' 8':75.8;"0' 8".85' 98C0D' ' 79' <"44=2' <050' D0:70".40D'.20' ?46=058' 73' 6"8AB2.050D' 894C8"6' 375'.20' 85A6:4=06' B' 496:0=.' .7B0.205' <4.2'.20' 496.5AC09.6' 73' 4CC7G "8.479'# 2050' <86' @0.' 897.205' ="866' 73' 8".856' <24=2' 6.77D' ;@' .20C60"?06' 8:84#.' 357C' 89@' .0C:"0' 89D' <050' D46.49BA4620D';@'.20' 98C0' 89D' 67C0.4C06';@'.20' 34BA50' 73'.20' '75' .7' <27C' 4.' <86' =7960=58.0D*

9' #7C89' =7496' <0' 349D' ' D0D4=8.0D'.7' 4 .0C4.@' * ' , ' 79=75D' 0=A9D4.@' 75.A90' M600' % * ' * ' 73' ABA6.A6 N' 4 08".2' 4;05.@' # 3' 08=0' M600' # "!' #%*#' 73' 4;054A6 N' 57?4D09=0' 0=A54.@' 589SA4""4.@' 7A.2' M86' 49' # + ' - $ ' 73' 7C4.489' M600' 7'# >[' 73' 8@"A6N*1 20@' 8::085' 8"67' 79' =7496' 73'.20' 9.48' 7590"48' ::48' 759:7948' 76.AC48' #A;548'# 89D' 4;48' 38C4"406'# 6' 3A5' 0C:05756' 89D' 0C:506606'.20@' 850' 50:50609.0D' 68=5434=49B' 8.' ' .257AB27A.' 9085"@'.20' 09.450' 605406' 357C' ABA6.A6'.7' 4=494A6* ' ' 1 ".856' 73' 7960=58.479' 67C0' 57A9D' 7.2056' 6SA850' <4.2' 3"843"0' 54649B' 357C'.20'.7:' 850' 6009' 79' =7496' 57A9D' <24=2' <0' 508D' " "* ! ' "67' 89' 8".85' 7?05' <24=2' 46' 496=54;0D' 4??'# 47'# =*' D064B98.49B'.20

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.57:2@1 491 .201 7.2051 =F20"1 461 731 7:49479 1 .281
.201 8".851 =8""0D1 1 8.1 #7C01 D0D4=8.0D1
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1 491 "75=""# 1 34B1 >1 89D1 H*
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.71 =205462# 4C4"851 8".8561 28D1 ;009 050=.0D1 ;@1
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.20' ;A649066' 375' <24=2' 20' 28D' 6ACC790D' .20C ' :8660D' .20' 506.' j:3 .20' D8@' 49' D46=A6649B' .20' C054.6' 73' 67C0' 2@D58A"4=' 09B4906' 73'8' 97?0"=79G 6.5A=.479 ' ^.20' 375C' 73' 790' 73' .2060' 46' =7964G D050D' .7' 20' 627<9' 79' 8' =79.7C48.0' C0D8"' 73' 057 ' 2849B' 375' "0B09D' 73' 50?0560' o * !' , P 9D' .28.' .20' C:0575' D0="850D' 246' 49G .09.479' .7'49.57DA=0' .2060' 97?0"'.406'8.' .20' .208.50 ' Ô43' 49D0I' <7A"D' "0.' 24C L " ' + ' 7 ' 8 %' 20' =8"09D856' 73' C4.0CAC' 89D' 500906.0 ' 86' <0"" 86' .20' :70.' ?4D' 506:0=G .4?0"@' 8 ADŒ .7' .20C' * ' : "3=46 ' 86' 3456.' 5846OD ' ;@' 6098.7548"' 8A.2754.@' A9D05' ABA6.A6 ' 89D' D0D4=8.0D' 37A5' @0856' 83.05<85D6*U 1 ?4" > *

' (" ' ! ; 1 20' 8".85' 73' 7D06.@' 75' 286.4.@*N 1 246' "0B09D' 89D' .@ :0' 8 : :085' 79' B7"D' 89D' 64"?05' =7496' 73' .20' 24B206.' 5854.@ ' 6.5A=F' 49' 58 89L6' 64I.2' =796A"8.0' M8;7A.' .20' ;0B49949B' 73' " " , ,HN ' 49' 2797A5' 73' 246' <430' "7.498*

1) ' 'O &' " # " ! ' $$ ' M;@'4C:"4=8.479' 8 %' + ' ' 7 ' 08D' 73'.20' C:5066' "7.498*

8 ' " &" & ' " " " * " M 58 89L6' C:0548"' 89D' 796A"85' .4."06*N' 9' 7;G "79B' 6SA850' 8".85 ' 79' <24=2' 46' 6=A":..A50D' 8' 6.7E "8.0D' 34BA50 ' 6.89D49B' 79' 89' 7?8"' ;860 ' <24=2' 506.6' 79".2500' 300.' .' .20' ;7..7C' 73' .2 4' 8".85' 46' 496=54;0D' * ' # !"

9' .20' 084?"406.' 8B06' #7C0' .2050' 6.77D' 49' .20' =4.@' .<?7' 6254906' <4.2' 89' 8".85' 49' 08=2 ' 790' =7960=58.0D' .7' # '# 3' 49' .20' ! ' -7 3' 75' 71' C85F0.' .20' 7.205' .7' # ' #) ' 050=.0D' ;@' 45B4948 ' 49' .20' ' ' 75' 24B2' 6.500.' .' .2060 ' 4.' 600C6 ' 9790' 28D' .20' :4 ?4"0B0' 73' 68=5434=49B ' 01=0:.' 8' C8.579' 73' .2757AB2"@' 8 : :57?0D' =2858=.05' 375' .20' :0=A"485"@' 30C49490' SA8"4.406 ' 89D' =79 AB8"' ?45.A06 ' 73' =2866 .4.@' 89D' C7D06.@ ' 89D' 28D' ;009' C8554OD' ;A.' .7' 790' C89' 20' 98C0' 89D' 89.4SA4.@' 73' 790' 73' .2060' 8".856' 850' C09.4790D' ;@' KA?098" 1

8958' (!"! ! ' ?0.050C' =AC' :560.054.' * kF ' ?4"N ^ (209' 8A58' :86606' .20' 89=409.' '73' # ' 8 %o 75 ' .7' B4?0' .20' :A5:75.' 73' .20' 8""A6479' C750' 8C:"@' 357C' &43375DL6' 3500' .5896"8.479*

"A620D' 49' 205' =A:6 ' 86 8""48' 27C0<85D' B706 ' (4.2' <28.?=79.049:.' 620' .76606' A.:' 205' 9760' .' 286.4.@L6 2785' 3890' (28.' 4C:47A6' 0056' 7""8.48' :7A56' 49' 8A58L6 .49B"49B' 0856 U

20' 8".85' D0D4=8.0D' .7' # ' C7D06.@' <86' .20' C750' 89=409.' 73' .20' .<7 ' 89D' :5M ;82"@' .20' 6=090' 73' .28.' 97=.A598"' 4C:A54.@ ' .7' <24=2' .20' #7C89' 68.4546.' 8D?05.6*

3' "7.498 ' <2760' 98C0' 89D' :75.584.' 8: :085' 79' .20' =7496' <24=2' ;085' .246' A94SAO' "0B09D' "49@' .20' @7A9B05 ' 8DD506649B' 24C60"3' .7' 205

2A6;89D' .2A6' 01:506606' 24C60"3/ 1 T 7A' 28?0' B8490D' 8' <430' <27' <4"" :57?0' @7A5' 7598C09.' 89D' B"75@" 75'<28.' =89' ;0' C750' 68=50D' .289' 205' =2858=.05' ' (28.' C750' 73' .20' 7"D' 6=277" Z 7<' SA40.' 46' 620' 49' 205' 8..450 7<' C7D058.0' 49' 205' 50.49A0' ' 7<' 27C0"@' 49' 205' D0:75.G C09.' U' 246' 0A"7B4AC ' ;@' 6A=2' 8' <54.05 ' 79' .20' :A54.@' 73' 205' "430 ' 627<6' .20' 8: :57:548.0906 73' .20' "0B09D' ' # ' 7490D' .7' .20' 98C0' 73' "7.498" 0.' 4.' 8: :0856' 357C' 479' 8664A6 ' .28.' 0?09' .246' ?45.A7A6' =2858=.0546.4=' 73' .20' 0CM :5066' <86' 6A;0=.0D' .7' 86:0564796 ' 49' =7960SA09=0' 73' 205' 49.4C8=@' <4.2' 8D5489*

^ .' 46' .7' .20' F49D9066' 73' 4.6' :50609.' :76606675 ' .20' #0?" (C" &54B679 ' 50=.75' 73' (249;A5B2 ' 7537"F ' .28.' .20' =7C:4"05' 73' .246' 4=.47A84@' 46' 49D0;.0D' 375' ;049B' 098;"0D' .7' 0124;4.' 2050' .20' $ ' ' 09B58?49B' 73' 8' C76.' 5850' 89D' 0"0B89.' D09854A6 ' 37A9D' 8C79B6.' 8' C866' 73' 8;7A.' H ' 7.205' #7C89' C:0548"' =7496 ' 49' 64"?05' 89D' ;5866 ' 589B49B' 357C' 85=A6' 9.794A6' .7' "85=A6' A50G "4A6" 246' D46=7?05@' <86' C8D0' 49' .20' C7A.2' 73' 7?0C;05 ' , > ' ;@' 67C0' "8;7A5056' <27' <050' 0C:"7@0D' 49' 375C49B' 8' ="8@' :4. ' 79' 89' 06.8.0' ;0"79B49B' .7' .20' #0?" " 85F05 ' 49' .20' ?4""8B0' 73' 86.79 ' .2500' C4"06' 67A.2E086.' 73' (8..79 ' 49' .20' 8;7?0' 98C0D' =7A9.@" A"" :85.4=A"856' 50"8G .4?0' .7' .246' T 349DU' <050'=7CCA94=8.0D' 49 85=2' 73' .20' 37""7<49B' @085' .7' .20' 7=40.@' 73' 9.4SA8G 5406 ' 89D' .20' =7496 .20C60"?06' 8.' .20' 68C0' .4C0' 6A;C4..0D' .7' .20' 496:0=.479' 73' .20' .209' 450=.75 ' 8@"75' 7C;0' 6S" 375' .20' 49375C8.479' 73' .28.' "08590D' 7D@' ;@' &7DD85D' K7296;9 ' 6S" 97<' 73' 75<4=2' 8.' .28.' :0547D' 5064D49B' 8.' 4.."0' A9G 28C* 1 5" 7C;0' 49' 246' 7" =48" 50:75.' .7' .20' 67=40.@' 68@6/ T 20 "7.498' 46' :0528:6' .20' 79"@' D09854A6' 73' .28.' C:5066 ' <4.2' .20' "0B09D' 73' # " *' <24=2' 286' ;009' 37A9D' 49' 9B"89D" 20' =749' 46' 97.' 49D00D' 90<' ;S.' 4.' 46' 790' 73' =7964D058;"0' 5854.@ ' 89D' 286' 90?05 ' ' ;0"40?0' ;009' 8==A58.0"@' 09B58?0D*U 1 00' - ?7"" > ' 85=2' , [' , >, ' <209=0' .246' 8==7A9.' 286' ;009' D58<9' A:*

20' 79"@' 8"508D@' :A;"4620D' 09B58?49B' 73' .246' D09854A6' 8: :0856' 49' 84""89.' # 'E ' ++' M:" ,H[' 8546' 0D4.479' " E' 89D' " 44" ,H ' #7C0' 0D4.479' , HN" 20' 50?0560' 49' .2060' 01G 24;4.6' 8' 6SA850' 8".85' <4.27A.' 89@' 34BA50' 75' 7598C09.' 79' 4.6' 38=0' 89D' 49' 7.205' 506:0=.6' A9G "4F0' .20' .@:0' 49' 5" &54B679L6' 6:0=4C09*0 # ' 790' 73' .20' "85B06.' 50B4796' 73' 648' ;0.<009' B :.' 89D' 9D48' D4?4D0D' 97C498""@' 49.7' .2500' :85.6 (# 3' ' 89D' # ' ;7A9D0D' ;@' @548' 89D' 067:7.8C48' 79' .20' 975.2' ' ;@' .20' 056489' &A"3' 79' .20' 086.' ;@' .20' 58G ;489' &A"3' 75' #0D' 08' 79' .20' <06.' 89D' ;@' .20' 9D489' =089' " , 7 ' %' 79' .20' 67A.2* 1 T 582@' .20' "06.U' .20' C76.' 01.09G 64?0' 73' .20' .2500' D4?464796' D054?0D' 4.6' 98C0' 34L7C' 4.6' B508.' 305.4"4.@* 1 58;48' ' ' .20' 6C8"" .' 89D' 975.2059C76.' D46.54=.' <86' 4928G ;4.0D' ;@' .20' DAC34=896' .20' 78;4.06' .20' 4E' D4894.06' 89D' .20' C8"0F4.06" .'49="AD06' T .28.' B508.' 89D' .0554;"0' <4"D059066 U' 49' <24=2' .20' 6580"4.06' 20"D' .2045' <89D0549B' 8;7D0' 375' 8' :0G 547D' 73' 375.@'0856' 83.05 .2045' $ '$ ' 20' #7C896' 8: :085' .7' 28?0' ;009' 9A8=S484A"0D

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.8.4"4A6' 8A5A6'# B54: : 8 ' .20' 679E49E"8<' 73' ABA6.A6 ' 8D7590D' .20' =4.@ ' <4.2' 90<' 8SA0G DA=.6 ' 37A9.8496 ' ;86496 ' ;8.26 ' 89D' 8;7?0' 8""' <4.2' .20' 89.2079* 1 3.05' .20' B508.' =793"8B58G .479' 8.' #7C0 ' 057 ' 49' <2760' 504B9' 4.' .77F' :"8=0 ' 89D' .7' <2760' 6 : 454.' 73' 49=09D48546C' 4.' 286' ;009' 86=54 ; 0D ' 09B8B0D' .20' 605?4=06' 73' .20' 8 ; "06.' 85=24.0=.6 ' .7' 50 ; A4"D' C89@' 0D434=06 ' 89D' .2760' 73' .20' &50=489' =277'# <050' : 549=4 : 8""@' 0C : "7@0D' 49' 050=.49B' 246' B7"D09' : 8"8=0 ' DO6=54 ; 0D' 86' 89' 7 ; 0=.' 73' 6A5 : 86649B' 54=29066 E' ; 7.2' 49' C8.0548"6' 89D' 49' D0=758.4796'# 9' 8' 3456.' ; 5866' 73' 057' <0' 600' W' 50 : 50609.8.479 ' 97.' A9<75.2@' 73' .28.' ; 08A.43A'# 85=2 ' 8D7590D' <4.2' 6.8.A06' 89D' 6A5C7A9.0D' ; @' 8' .54AC : 28'# SA8D54B8 ' 8==7C : 8940D' <4.2' 6@C ; 7"6' 73' 4=.75@ ' <24=2' 8=4.A6' 83345C6' .7' 28?0' ; 009' D0G =500D' *A*=' , ,' 9 ' [N' .7' .28.' C : 0575 ' 89D' 58460D' 79' .20' C7A9.' 73' .20' 8 : 4.7"' 49' 2797A5' 73' .20' : 50.09D0D' 6A==06606 ' ; A.' 508'# D0308.6 ' 73' 40.A6 ' 057l6' B09058'# 49' 5C0948 ' 0C : "7@0D

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: 0575* 1 85=A6' A50"486' =8A60D' 60?058'# .0C : "06' 89D' 7.205 ' : A ; "4=' ; A4"D49B6' .7' ; 0'050=.0D' 49' #7C0 ' 89D' C89@' C750' 49' .20' : 57?49=48'# D46.54=.6' 73' 246' <4D0' D7C494796* 1 3.05' .246' : 0547D ' 98C0"@' .28.' 73' .20' 9.794906 ' 00 5=24.0=.A50 ' M86' 4""49' 7 ; G 605?06N "4F0' .20' 0C : 450 ' D0="490D'# 3' .246' <0' 28?0' : 5773' 49' .20' .54AC : 28'# 85=2' 73' 0 : .4C4A6' 0?05A6 ' @0.' .28.' : 549=0' "7?0D' 9D' 09=7A58B0D' .20' 85.'# 9D05' "0I89D05' 0?05A6 ' 6F4"3A'# ; A4"D056 1 C09' 73' B094A6 1 C0.' <4.2' : 8.5798B0 ' 89D' C89@' 0D434=06' <050' =796.5A=.0D' 75' 506.750D'# A.' .20' 6=409=0' 28D' D0.054758.0D ' 89D' .20' 49G =508649B' .57A ; "06' 73' .20' 0C : 450' : 50?09.0D' 4.' 357C' 50B84949B' 89@' : 75.479' 73' 4.6' 375C05' : A54.@'# .' "09B.2 ' <209' 796.89.490' 06.8 ; "4620D' .20' 608.' 73' B7?059C09.' 8.' @\89.4AC ' 89D' <209' .20' 275D06' 73' .20' 975.2' : 7A50D' .205860"?06 ' 49' : 05 : 0.A8'# 49=A564796 ' 7?05 .20' 34906.' : 75.4796' 73' .20' #7C89' .0554.75406 ' .209' 85=24.0=.A50 ' : 57 : 05"@' 67' =8""0D ' ; 0=8C0' 0I .49=.' 89D' 496.08D' 73' 7598C09.49B' 89D' 4C : 57?49B' =4.406 ' 97.249B' <86' .27AB2.' 73' ; A.' .20' =796.5A=.479' 73' 375.506606*U

7496 ' ; 7.2' =796A"85' 89D' 4C : 0548"' 28?0' : 50G 605?0D' .7' A6' .20' C0C75@' 73' C89@' : A ; "4=' 0D434=06' <24=2' =I4*6.0D ' 89D' 67C0' 73' <24=2' 6.4""' 0I46. ' 49' #7C0* 1 20' * ' ; ' M600'# : *' H,N' 46' 50 : 50609.0D' 79' 8' D09854A6' 73' .28.' 38C4"@'# 20' ' 75' C85F0.E : "8=0 ' 73' ABA6.A6 ' 50G

8B8496.' .20' 85.24896'# 246' <86' 75D050D' ; @' . ; 0' 098.0' <24"6.' .20' <85' <86' 6.4""' : 09D49B ' 975 ' 8DD6' .20' #7C89' 246.75489' M 99'# I?'# , N' <86' .20' <75F' D46=79.49A0D' <209' .20' D4686.57A6' 0?09.' ; 0=8C0' F97<9* 1 20' =2403' 85=24.0=.A58'# A9D05G .8F49B' 73' 06 : B6489 ' <86' 246' .94"@' C8B9434=09.' C : 24.208.50 ' .20' 3456.' 73' .28.' F49D' =796.5A=.0D' 73' 6.790 ' ; A.' "03.' 375' .20' 0"D05' 89D' <75.2405' 73' 246' 6796' .7' 349462* 1 C79B6.' .20' <75F6' 73' 246' 6A=G =066756' <050 1 .20' .54AC : 28'# 85=2' 73' 4.A6 ' .20' 98AC8=248' 89D' 375AC ' =7CC09=0D' ; @' 7C4.489 ' 89D' 3494620D' ; @' 05?8 ' <27' 24C60"3' =8A60D' CA=2' .7' ; 0' 8je 7C : "46 ; =D' 49' .20' D0 : 85.C09.' 73' 8S90E' DA0.6* 1 58 89L6' 504B9' <86' D46.49BA4620D' ; @' .20' B589D0A5' 89D' 0"0B89=0' 73' .20' 6.5A=.A506' ; A4".' A9D05' 246' 8A6 9==6'# 3' .2060' .20' ; 864"4=8 ' .20' 375AC ' .20' =7"AC9 ' 89D' .20' .54AC : 28'# 85=2 ' .28.' 2085' 246' 98C0 ' <050' .20' C76.' 5=9485F82K0 ' 89D' .20@' 375C' .@ : 06' 79' 246' =7496*

A.' 73' 8D5489' 4.' 46 ' 79' 8""' 289D6 ' 8DC4..0D' .28.' 97' C : 0575 ' C750' 0I .0964?0"@' 75' C750' CA94G 34=09."@' .289' 20' D0?7.0D' 8..09.479 ' 8A.2754.@ ' 89D' C0896 ' .7' .20' =796.5A=.479' 73' : A ; "4=' ; A4"DG 49B6'# 7.' .7' 6 : 08F' 73' .20' 506.758.479' 89D' 0CG ; 0""462C09.' 73' 9AC057A6' =4.406' 49' .20' : 57?49=06' 89D' =7"794=6' 73' .20' =CQN450 ' .20' 8A67"0C9' 8E' D54894' 89D' .20' 796' 0"4446' 8.' #7C0 ' M6.4""' 0I .89.' A9D05' .20' 98C06' 73' .20' =86."0' 89D' .20' ; 54DB0' 73' .'# 9B0"7 ' .27AB2' A950 : 50609.0D' 79' 89@' =749' 73' B09A490' 89.4SA4.@ N' .7B0.205' <4.2' .20' 5A496' 73' 246' 0I .58EA5 ; 89' ?4""8 ' 850' <75F6' .28.' 8..06' .20' 6 : "09G D4D' .54AC : 2' 73' 85=24.0=.A50' 49' .28.' : 549=0I5' 504B9* ?AD05' 9.7949A6' 4A6' 850' .7' 20' 97.0D' 246' .0CG : "0' 73' 8A6.498 ' 89D' 8"67' .20' =7"AC9' 73' .28.' CG

; A4".' ; @' 057' 375C8' .20' 50?0560' 73' 790' .@ : 0' 73' .28.' 0C : 0575I6' "85B0' ; 5866' =7496 ' 357C' <24=2' .20' 8990I0D' =A.' 46' =7 N40D'# 20' $+ ' 75' 8CG : 24.208.50 ' ; 0BA9' ; @' 06 : 86489 ' 46' 34BA50D' 79' 8' "85B0' ; 5866' 73' 4.A6 ' 8 4D 50 : 08.0D' 79' C0D8"6' 73' 6A==00D49B' 0C : 05756' M600' : *' E>N* 1 20' * ' 8K+ ' .20' ! ' 7 ' 89D' .20' ' 7 ' 8 : : 085' 79' B7"D ' 64"?05 ' 89D' ; 5866' 73' .28.' : 549=0'# 20' .0C : "0' D0D4=8.0D' .7' 8A6.498' 609475' 89D' 9.794AA*6' 4A6 ' 89D' .20' 9.74449'0' 4""85' 850' 8"67' .@ : 4340D' 79' =79.0C : 758907A6' =7496'# M 00' C?7' 47*N 1 .' 46 ' 49D00D ' .257AB2' .20' C0D4AC' 73' 9AC46C8.4=' C79AC09.6' .28.' <0' 850' C8D0' 8=G SA849.0D' <4.2' .20' 0I .05475' 375C6' 73' 208.209' .0C : "06 ' .20' : 549=06 ' : 07 : "06 ' 89D' =4.406' 73' .20' 89=409.' <75"D ' ; 049B' 8==A6.7C0D' 350SA09."@' .7' 8D7^_' 50 : 50609.8.4796' 73' .2060 ' .2045' 68=50D ' 0D434=06 ' 86' .@ : 06' 375' .2045' C790@* 1 00' .20' <75D6' ' ' * ' ' ! ' ' + ' 89D' .20' <77D=A.6' <24=2' 506 : 0=.4?0"@' 4""A6G .58.0' .20C*

' ."40' ; 7<' 8' <08 : 79' 73' .20' =2860 ' 89D' 8' 6@C ; 7'# 73' 4898 ' <24=2' 86' .20' B7DD066' 73' 2A9.49B ' 620' 67C0.4C06' 27"D6' 49' 205' 54B2. ' 8.' 7.205' .4C06' 49' 205' "03.' 289D'# 246' 46' 620<9' 79' =7496' 73' .20' C : 0548'# 60540*6' 86' 49' 4.A6 ' 05?8 ' 546 : 498 ' 5027A489A6' &8""A6 ' 7C4"489A6 ' 8"05489A6

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76.ACA6 ' =# 20 ;7<' 89D' SA4?05 ;0249D' .20' 208D' 73' 4898' :*::085' 79' 8' C0D8"' 73' 9.7949A6' 4A6*

' + 8 1 20' ;7<' 46' 350SA09."@' 790' 73' .20' 4964B948' 73' :7""7 ' <209=0' .28.' D04.@' <86' =8""0D' ;@' .20' :70.6' ^600' ?4D ' # 4# w8' ; ' 20' ;7<' 86' 89' 8..54 ; A.0' 73' :7""7' 46' 6009' 79' =7496*73' # A50"4A6 ' &8""A6 ' 7"A648E' 9A6 ' 8"=5489A6*

' ; 1 20' ;7<' 73' 05=A"06 ' <4.2' 246' ="A ; ' 89D' 8557< ' 7==A56' 79'=7496'73' .20' A5.{8' 89D' 7944.48' 38C4"406 1 8"67' 49' .20' 289D6' 73' .20' D0C4B7D ' 86' 49' .20' 7 ;"4=48' 89D' 9.7948' 38C4"406# .' 8 : :08"6' "4F0<460' 79' C :0548"' =7496 ' 86' 49' 9.7949A6 ' # 05A6 ' 7CC7DA6 ' # 0?05A6 ' 0C4"4AAA6 ' 76.ACA6 ' 47="0.489A6 ' 844C48E' 9A # 8"# 0?05A6*

' + ' 20' .54AC : 28"' 85=2* 1E 246' F49D' 73' C79AC09.' =79646.6' 73' B589D' : 75G .4=706 ' 050=.0D' 8.' .20' 09.589=0' 73' =4.406 ' 75' 8=5766' 6.500.6 ' 75' A : 79' ;54DB06 ' 89D' : A ; "4=' 578D6 ' 04.205' .7' .20' 2797A5' 73' 8' =79SA0575 ' 75' 49' 50C0C ; 589=0' 73' 67C0' 4C : 75.89.' 0?09.# 76.' 73' .2060' 850' =285B0D' <4.2' 496=54 : .4796' D0D4=8.0D' .7' .20' 49D4G ?4DA8"' <27' 28D' ;009' D0=500D' .7' D0605?0' .20' :50G 0C4909."@' 24B2' D46.49=.4796' ';73' .20' #7C89' .54G AC : 2# 6' 89' 85=24.0=.A58"' 49?09.479 1 43' 49D00D' .20' 8 N : 57 : 548.479' 73' 6A=2' 467"8.0D' 7 ; 0=.6' .7' .20' B"75@' 73' 49D4?4DA8"6' C8@' ;0' .0990D' 89' 49?09G .479 1 .20' C054.' 73' D064B949B' 89D' =796.5A=.49B' .54AC : 28"' 85=206' ;0"79B6' 0I="A64?0"@' .7' .20' B0G 94A6' 73' 89=409.' #7C0# 20' 3456.' .28.' <050' ;A4".' 49' .20' .4C0' 73' .20' #0 : A ; "4=' 28D' 27<0?05 ' 97.249B' 73' .20' C8B9434=09.' 75' 73' .20' D0=758.4?0' 8 ; 7A.' .20C# 9D' 375' 8' "79B' .4C0' .20@' 0I24 ; 4.0D' .20' 64C : "0' 375C' 73' .20' 28"3' =45="0 ' 79' .2S' .7 : ' 73' <24=2' <050' : "8=0D' .57 : 2406' 8AD' .20' 6.2.A=6' 73' .20' ?4=.7547A6' B09058"6# 3.040<85D6 .20' D4C09G 64796' 73' .2060' 85=206' <450' B508."@' 49=50860D ' 89D' .20@' <050' C750' 75' "066' =7?050D' <4.2' 7598C09.6' 73' 0?05@' D06=54 : .479# 20' C866' 73' .2045' =79E 6.5A0.47A' 375C0D' 8' 6SA850' :405=0D' <4.2' .2500' 85G =8D06 ' <24=2' 50=04?0D' 97.' 79"@' 496=54 : .4796' ;A.' ;86' 50"4036 ' 89D' <24=2' 6A : 75.0D' 0SA06.5489' 6.8.A06 ' =28547.6' 89D' 275606 ' <4.2' 7.205' 7 ; 0=.6' 73' 8' F49D' 8664C4"8.0D' .7' .20' =2858=.05'89D' D064B9' 73' .20' C0C7548"' 4.60"3*

20' ' $' ' K ' 46' .20' C76.' =7964G D058 ; "0' 89D' .20' ;06.' :50605?0D' 73' 8"" .20' 0I46.49B' C79AC09.6' 73' 28.' F44"D' 8.' #7C0* 1 20' ' $' F +$ ' F ' 5060C ; "06' .*48.' 73' 796.89G .490 ' 75' 58.205 ' 4.' 627A"D' ;0' 684D' .20' "8..05' 50G 60C ; "06' .20' 375C05# 20' ' $' F3' C =2' 085"405' 4A' D8.0 ' 89D' C750' 246.754=8""@' 49.0506.49B ' 46' 73' 493054?5' 85=24.0=.A58"' =7964D058.479' =7C : 850D' <34.2' .20' .<7' :50=0D49B' 7906# A.' .27AB2' .20' .2500' 6.5A=.A506' 8 ; 7?0' 98C0D' 850' 6.4""' .7' ;0' 6009' 49' 8' C750' 75' "066' 68.4638=.75@' 6.8.0' 73' :50605?8G .479 ' @0.' 79"@' 790' 73' .20C ' 98C0"@' .28.' 73' 0G ?05A6 ' 46' 50 : 50609.0D' 79' 89@' =749 ' <24"6.' 79' .20' 7.205' 289D ' .20' .@ : 06' 73' C89@' .54AC : 28"' 85=206' D06.57@0D' 8B06' ;8=F ' 8 : : 085' M"4F0' 4 8.' 73' 057' 8 ; 7?0' 09B58?0DN' 79' B09A490' : 57DA=.6' 73' .20' #7C89' C49.*

' $' F + ' F 1 20' 8990I0D' 09.' 46' 09B58?0D' 357C' .20' =86.' 73' 8' ?05@' 5850' D0G 9854A6 ' 7 ; "4B49B"@' .5896C4..0D' .7' .20' 8A.275

' #

73' .246' <75F' 49' , [, ' ;@' 5# 7A ; "0D8@' 73' .20' 54.462' A60AC ' 6779' 83.05' 20' 28D' C8D0' 8' : A5=2860' 73' .20' 754B498"' 375' .20' C0D8"' D0 : 85.G C09.' 73' .28.' 96.4.A.479*

1 *1 # ' 4?6# &# "8A508.=D' 208D' 73' .20' C : 0575*

6 1 =76# # : *: * 1 54AC : 28"' 85=2*

' $' 1 ' 64"?05' =749' 73' ABA6G .A6 ' .20' 50?0560' 73' <24=2' ;0856' .20' "0B09D' # ?4 4=4?6' M790' 73' 246' C790.8"' .54AC?456N' 286' 375' 4.6' .@ : 0' 8' .54AC : 28"' 85=2' 73' 8' : 0=A"485'379A# .' =79646.6' 73' 8' B589D' 85=8D0' .48AF0D' ;@' .<7' =7"AC96 ' <24=2' 6A : : 75.' 89.8 ; "8.A50' 6A5G C7A9.0D' ;@' 89' 8..4=' 79' <24=2' 46' 496=54 ; 0D' 6# # %# #" # ' 89D' 79' .20' .7 : ' 46' .20' 4CG : 0548"' SA8D54B8# 9' 04.205' 64D0' 73' .20' =09.58"' 85=2' 850' .<7' 6SA850' : 75.8"6' 73' 6C8""05' 6A\.O' <4.2' 8' : 0D4C09.' 89D' 8' =7"AC9' 8.' .20' .<7' 0IG .50C4.406 ' 08=2' 6A5C7A9.0D' ;@' ' 6.8.A0*

"" K ' 3' A9D05' .20' 208D' 73' ."40' 7C : 7948' 38C4"@' <0' 600' 8' 60=79D' =7"7948"' ;5866' 6.5A=F' 8.' 7549.2' 89D' D0D4=8.0D' .7' ABA6.A6 ' 79' .20' 50?0560' 73' <24=2' 46' 8' C76.' 0"0B89.' 85=2 ' <4.2' 8' "85B0' : 75.8"' 49' ."40' =09.50' 89D' .<7' 6C8""05' 79.6' 79' 08=2' 64D0' 73' 4. ' 6A5C7A9.0D' ;@' 8' .54AC : 28"' SA8D54B8' 89D' ?4=.75406' =57<949B' .20' C : D575# 8?05=8C : ' =7964D056' .246' .7' 50 : 50609.' .20' 85=2' 050=.0D' 8.' 7549.2 ' 04.205' 79' .20' 7==86479' 73' 246' 09.5@' 49.7' .28.' =4.@ ' 75' 79' 8==7A9.' 73' .20' ?4=.75@' 8.' =.4AC*

A.' 8C79B6.' 7.205' .54AC : 28"' 85=206' 50 : 50G 609.0D' 79' =7496' 73' ABA6.A6 ' .20' C76.' 50C84FE' 8 ; "0' : 0528 : 6 ' 86' <0"" 375' 4.6' 49=54 : .479' 86' 4.6' .@ : 0 ' 46' .28.' <24=2' <86' 58460D' 4A' C0C75@' 73' .20' ?4=.75@' B8490D' 7?05' .20' 85.24896' 357C' <27C' 20' 50=04?0D' ;8=F' .20' C4"4.85@' 0964B96' <24=2' .20@' 28D' =8 : .A50D' 357C' 5866A6' 89D' 85F' 9.79@# 20' 85=2' 286' .2500' : 75.8"6' 89D' 79' 4.6' 6ACC4.' <0' 600' .20' 0C : 0575' 49' 8' SA8D54B8' 790' 85.2489' : 50609.49B' .7' 24C' 8' 6.89D85D' 8AD' 897.205' 8' "0B47985@' 08B"0 1 00' "! !$ ' C "' ' # ' # *

' $; *1 2050' 850' ; 7.2' 64"?05' 89D' B7"D' 7496' 73' "8AD4A6 ' <24=2' 0I24 ; 4.' .20' 85=2' 58460D' .7' =7CC0C758.0' .20' ?4=.75406' 7 ; .8490D' 49' 54.849 ' DA549B' .20' 504B9' 73' "8AD4A6* 1 00' $ 3 ! ' 9 A . F3' 1 20' 85=2' 73' C85 ; "0' <?24=2' .20' 098.0' =8A60D' .7' ;0' ; A4".' 49' 2797A5' 73' 5A6A6' 609475 ' ;57.205' 73' 4 ; 054A6 ' 86' =79SA0575' 49' 89' 0I : 0D4.479' 8B8496.' .20' &05C896' M49' =7960SA09=0' 73' <24=2' 20' <86' =8""0D' & 3 !" A ' 46' .@ : 4340D' 79' B7"D' 89D' 64"?05' =7496 ' ; 08549B' .20' : 75.584.' 73' .28.' 2057' 79' .2045' 7 ; ?0560# 20' 68C0' 6A ; 0=.' 46' C750' 85=24.0=.A58""@' D46 : "8@0D' <54.2' 5A6A6' 79' 27560 ; 8=F ' 89D' <4.2' .57QN2406' 6A5C7A9.49B' 4. ' 79' .20' 50?0560' 73' 8' "85B0' ; 5866 ' 6.5A=F' A9D05' "8AG D4A6* 1 00' 2 ' "0 ! ' * ' C" 7' 1 ' "85B0' ; 5866' 73' 246' M8' =7 : @' 73' <24=2' 38""7<6' .246N ' : 50609.6' 89' 85=2' 73' 6.8.0"@

' # * *

:57 : 75.4796 ' 54=2' 49' 6.8.A85@' 89D' 7.205' 7C8_' C09.6 ' 6A5C7A9.0D' <4.2' .57 : 2406' 73' &05C8G 94=' 85C6 ' 89D' 79' 89' 0 ' M496=54 ; 0D' <4.2' .20' .2500' "0..056 ' <24=2' 620<' 4.' .7' 28?0' ; 009' D0D4=8.0D' .7' KA : 4.05 1 ?4\#' ' 17 79 3%' <0' 600' .20' 4C8 0' 73' .20' 0C : 0575' 49' 8' .54AC : 28'# =28547. ' =57<90D' ; @' . @7 34BA506' 73' 4=.75@*

246' D0=758.0D' 6.5A=.A50' <86' 050=.0D' 49' 2797A5' 73' 58 89#' T' .' <86' : 57 ; 8 ; "@' .20' ?06.4 ; A"AC ' 75' : 75=2' 73' .20' =8 : 4.7"' C09.4790D' 49' .20' : 890B@54=#' 0D5A64' 37""7<49B' +4 : 24"49A6 ' .249F6' 4.' 6.77D' 49' .20' 75AC#' A"A6' &0""4A6' .0""6' A6' .28.' 4.' <86' 496=54 ; 0D' ' $!! ' M C@.2 ' ' ' [*N 4 *1 2050' 46' 79' 8' "85B0' ; 5866' 73' &8" ; 8' 89' 85=2' 375C0D' 73' 8' 649B"0' : 75.8" ' .7' <24=2' .2050' 46' 89' 86=09.' ; @' 8'3""4B2.' 73' 34?0' 6C8"" 6.0 : 6 ' 89D' 79' .20' 6ACC4.' 46' .20' 34BA50' 73' .20' 0C : 0575' 49' 8' SA8D54B8# "446 ' 27<0?05 ' 86' 4""49' 7 ; 605?06 ' 46' 73' .20' 9AC6 ; 05' 73' .2760 ' <24=2' 7AB2.' .7' 20' 0I=" AD0D' 357C' .20' ="866' 73' .54AC : 28'# 85=206 ' : 57 : 05"@' 67' =8""0D' 86' C8@' 20' : 05=04?0D' 357C' .20' 496=54 : .479* 1 00' % # # * . *1 9' 8' "85B0' ; 5866' 46' .20' 85=2' 73' .28.' 0C : 0575 ' <24=2' 20 ' .20' C76.' : A64""894C7A6' 73' .@589.6 ' 28D' .20' 033579.05@' .7' ="84C' 357C' .20' 098.0 ' 375' 8' ?4=.75@ ' <24=2' 20' 90?05' 7 ; .8490D' 7?05' .20' &05C896' 89D' 8=4896# .' 46' =A547A6"@' 50 : 50609.0D ' 86' 375C0D' 73' .<7' 6.75406 ' .<7' 85=20D' : 75.8"6' 7==A : @49B' .20' "7<05' 790 ' .20' <27"0' 6A5G C7A9.0D' ; @' .<7' SA8D54B8' 73' 0"0 : 289.6 ' <4.2' 8' .54AC : 205' 49' 08=2 ' 790' 38=49B' .7' .20' 54B2.' 89D' .20' 7.205' .7' .20' "03.* 1 9B58?0D' 49' ' 49BL6' "8.06* # ' &&# * *1 ' .54AC : 28'# 85=2' 73' .2500' : 75.8"6 ' D0=758.0D' 79' .20' .7 : ' <4.2' 6.8.A06# 9' ; 5866' 73' 84E8=8""8*

20' : 0547D' <209 ' 89D' .20' : 85.4=A"85' 7==8647 9' 79' <24=2 ' .246' * " ' C * ' <86' 050=.0D ' 46' 620<9' ; @' .20' 496=54 : .479' 6.4""# 50C8494 9B' 79' 4.6' 3579.# =F20'# M?4# > [N 286' B4?09' .20' <75D6' 09.450 ' 86' 50=04?0D' ; @' 85.2t"tC@' 357C' .20' 8=.A8'# =7 : @46.# 20@' e.08=2' A6 ' .28.' .20' 85=2' <86' ; A4".' 49' .20' @085' 73' #7C0' a[' 9 ' ' > HN

#& # a

49' 2797455' 73' 0?05A6' 89D' 246' 6796 ' 83.05' .2045' ?4=.75406' 7?05' .20' 85.24896 ' .20' 58 ; 6 ' 89D' .20' I D48 ; 094# 2050' 46' 8' 50C85F8 ; "0' =45=AC6.89=0' =7990=.0D' <4.2' .20' 496=54 : .479' 8 ; 7?0' 8""AD0D' .7 ' ?4\#' .28.' .20' 98C0' 73' 4 ' 37""7<49B' .2760' 73' F ' 89D' ' ' 9 ' #' # ! !! ' & ' 4444664 ' #4N' <86' 05860D' 357C' .20' C85 ; "0' M.20' <75D6' # : # 1+ ' 0 ' ! +) ' ; 049B' 49605.0D' 49' .2045' : "8=0*N 246' <86' D790' ; @' 246' 492AC89' ; 57.205L6' 75D056 ' 86' 49D00D' .20' 68C0' 98C0' 89D' .4."06' <050' 8"67' 50G C7?0D ' 49' 7 ; 0D409=0' .7' .20' 68C0' =7CC89D6 ' 357C' 8""# 7.205' =79.0C : 758907A6' : A ; "4=' 0D434=06' 89D' C0C7548"6*

9' 5030509=0' .7' .246' 49.0506.49B' 50?0560 ' 8 : .# C@.2' 7 ; 605?06 1 T' 90' 73' .20' DA : 794"44 ' 49 ' 6=54 ; 0D' * " ' && ' 50 : 50609.6' .20' .54AC : 28'# 85=2' 73' 0?05A6 ' 8.' .20' 377.' 73' .20' 8 : 4.7"4440' 24""' 0I8=."@' 86' 4.' 8 : : 0856 ' 97<' .28.' .20' 5A ; ; 462' 46' 50C7?0D' 49' <24=2' 4.' <86' 28"3' 24DD09U' M:# , a>*N # ' .20' 340"D' 75' 6A538=0' 73' 8' =749* ' 8' =4.@' 49' &8""48' 85 ; 7909646 ' 97<' =8""0D# - F3' 89D' .7' .246' D8@' 8' =7964D058 ; "0' .7<9' 49' 57?09=0 ' ; 049B' .20' 600' 73' 89' 85=2 ; 4627 : 54=#' A6794A6' =4D"6' 4.' &8""A"8' #7C8* 89D0' DA : "0I' 50"8.0' .A76' ; "89D8' 276 : 4.8' 75.A6' 4 ' #7588' 1 1 EEEEE ^ : 09' <4D0' 50"8.0' .2@' : 75.6' <4.2' 3509D"@' <0"=7C0' .27A' "4.. "0' 4 8 ' 7C0*0 .' <86' 790' 73' .20' 64I' =4.406 ' .7' <24=2' .20' 54B2.' 73' =74949B' C790@' <86' =79=0D0D' 49' .20' "7<05' 0C : 450 ' <209=0' =7496' 73' ML796.8A.490' 89D' 7.2056' 28?0' 375' .2045' C49.EC85F #' ' 50E' "8.0964AC' 54C8 ' =* 1 00' 4.46=A6' 89D' #86=2=' <27' =8 ' 50"8.0' 8' #7C89' =7"79@' 4.' 46' 27<G 0?05' 97.' 49="AD0D' 86' 6A=2' 49' .20' 506 : 0=.4?0' =8.8"7BA06' 73' =F20'# 75' 47990.* # ' 8' ' 49B' 73' 58 ; 48' <27' 8==75D49B' .7' K760 : 2A6' B8?0' H ' .8"09.6' .7' =8A5A6' .7' <4.2D58<' 246' 85C@' 357C' .28.' =7A9.5@'# "446' : 549=0' 46' D0 : 4=.0D' 79' 8' D09854A6' 73' .20' ' B096' F900"49B' 86' 43' 49' .20' 8=.' 73' 6A : 334=8.49B' : 08=0' 8.' .20' 289D6' 73' .20' #7C896* 1 4 00' * 6' 2 #& ' * ' 1 00' F ' =7496' 73' .20' #7C896* #& ' 4"?05' <86' 8' <75D' 0C : "7@0D' ; @' .20' 8.496' .7' D097.0' C790@' 49' B09058"' 8".27AB2' 64"?05' C790@' <86' 97.' .20' 3456.' 49.57G DA=0D' 49.7'#7C0' M600' %1 T 5B09.AC ' A5AC' 0.' =6' 64B98.AC ' 38=.AC ' 4930=.AC*U' 64D75A6' =4.0D' ; @' =F20'# M?7"# ?# , N .2A6' 0I : "8496' .20' 64B9434=8.479' 73' .2060' <75D6 ' 86' 8 : : "40D' .7' .20' .2500' C0.8"6 1 64"?05' B7"D' 89D' ; 5866 ' ?4\# 0' ' 46' .28.' <24=2' 286' ; 009' =7490D' 49.7' C790@' $ ' 46' .28.' <24=2' 286' ; 009' =79?05.0D' 49.7' ?8606' 89D' 4C8B06 ' $ 3' .28.' <24=2' 46' 49' .20' "AC : ' 75' 86' <0' 627A"D' 97<' =8""# 4. ' 49B7.6 ' 75' ; A""479* #& ' 75' .20' 64"?05' : 40=0' 46' .20' 98C0' B4?09' .7' .20' "85B0' D09854A6' 73' 858=8""8' 89D' 246' 6A==066756' ; @' .20' <54.056' 73' .20' ABA6.89' 46.75@ ' 89D' 49' 506=54 : .6' 73' .20' : 0547D# .' <86' 8"67# =8""0D' # ++ F3' 75' .20' 4"?05' 24"4 : ' .20' <75D' 24"4 : ' 28?49B ' DA549B' .20' "7< 05' 8B0' 73' .20' 4C : 0548"# B7?059C09. ' ; 0=7C0' 8' 38C4G "485' 8 : : 0""8.479' 375' 89@' =749# 20' =7CC79' D0E

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98544 97<' 3456.' ;0B49 ' 8DD6 49F05.79 ' .[' ;0 .05C0D ' 89D + '+ ++ ' ' .7' 0I:5066 .2045' ;049B 6C8""05 .289 .20 7.205# 20 3456.' ' 46 <75.2' 790 624""49B 6.05"49B* 1 1 00 , 3 ?7"# 4# , * #& ' .20 98C0 73 .20 384.23A" D7B 73 "@6606 .28.' 8"790 F90<' 246 C86.05 50.A5949B 27C0 83.05 .<09.@ @0856 8;609=0# ^ 7C05# 1-3 ' ,# I?44*0 ' 38C4"@ D09854A6 50:50609.6 "@6606 D46BA460D 86 8 C09D4=89. ' 89D 246 D7B 49 .20 8..4.AD0 73 38<949B 79 24C*1 00 Y ' B096* # ' 75 ' 46 684D .7 28?0 ;009 .20 D8AB2.05 73 4976 .20 60=79D ' 89D 73 864:280 ' 89D .7 28?0 ;0=7C0 098C7A50D 73 2060A6 ' <209 .28.' 38?7A54.0 2057 73 .20 .2094896 8554?0D 49 205 38.2056 F49BD7C' 73 50.0 ' <4.2 7.205 @7A.26 .7 ;0 D0"4?050D A:' .7 .20 497.8A5# 8;"0 :57=00D6 .7 50"8.0 .28.' 620 620<0D 2060A6 .20 <8@ .7 ?89SA462 .28.' C796.05 ' 89D .28.' 620 B8?0 24C 8 ;8"" 73 .2508D ' ;@ .20 84D 73 <24=2 20 <86 098;"0D .7 349D 246 <8@ 7A.' 73 .20 "8;@549.2* 1 20 60SA0" 73 548D90L6 6.75@ ' 86 B09058""@ 8D7:.0D ;@ :70.6 ' 85.46.6 ' 89D C@."47"7B46.6 ' 46 .28.' 620 <86 D0G 605.0D ' 49 .20 C76.' 384.2"066 89D A9B58.03A" C89G 905 ;@ 2060A6 ' 89D 24D B4?09 20560"3 A:' .7 D06:845 ' <209 8==2A6 =8C0 89D =7967"0D 205 49 .20 46"0 73 8I76*

X 47990.' 8A.209.4=8.06 8 C0D8""479 73 9.794G 9A6 4A6 ' 79 .20 50?0560 73 <24=2 8::085 8=G =2A6 89D 548D90 ' 49 8 =85 D58<9 ;@ 8 8.@5 89D 8 89.205* ^ 20 8;7?0 46 09B58?0D 83.05 8 =86.' 357C 8 B09A490 6:0=4C09 49 .20 ') ' ' ! *1 ' 2050 46 897.205 49 .20 C:0548" 8;490.' 8.' 40998*1 9 .20 7;?0560 46 8 3490 :75.584.' 73 9.7949A6 20 496=54:.479 79 .20 0I05BA0 # ' ' ('=76# 620<6 .20 D8.0 73 4.6 C49.8B0 .7 ;0 * # ,Ha() F"4""49 246 * ! $' ' !) ' 6:08F6 73 8 3490 C0D8""479 73 "0I89D05 0?05A6 49 .20 A60AC 8.' 8546 89D <24=2 20 D06=54;06 86 50:50609.49B 8==2A6 98F0D 27"D49B 548D90 86"00:' 57A9D 24C 850 .2500 68.@56 <2760 B06G .A506 0I:5066 86.7946 2C09. 89D 9085 24C 46 89 7"D C89 D50660D 49 8 ="78F 89D "08949B 79 8 6.833*1 3 .246 C0D8""479 97 ' 9.479 46 C8D0 04.205 49 47990.' 75 49 F05C89L6 D06=54:.4?0 97.4=06 73 #7C89 =7496*1 00 * # *1 00 * # # EEE # # w 1 6A598C06 D054?0D 357C .20 =79SA06.' 73 5C0948 ;@ .20 #7C896*

1 8 50B479 73 648 97<' 375C49B 85.' 73 .20 485 0F45 89D ' 7A5D46.89 49 .20 A5F462 0C:450# .' <86 89=409."@ D4?4D0D 49.7 .<7 :57?49=06 7 89D 5C0948 8 75 <86 79 .20 086.059 ;89F 73 .20 A:258.06 ;7A9D0D 79 .20 975.2 ;@ 7"=246 89D ;0548 79 .20 67A.2 ;@ 067:7.8C48# 99jOC8 4975 <486 79 ."40 <06.059 ;89F 73 .20 A:258.06 ;7A9D0D 79 .20 <06.' ;@ 8::8D7=48 73 <24=2 4.' 754B498""@ 37990D ::85. ' 79 .20 67A.2 ;@ .20 =2849 73 .20 8A5A6# 5C0948 86 8 =7A44. @ <86 D46.49BA4620D 98.4798""@ ;@ .20 ;7<' SA4?05 73 8557<6 89D 7;"79B C4.50 49 .20 628:0 73 8 277D M8 =7?0549B 375 .20 208D <24=2 <86 =7CG C79 .7 4.6 4928;4.89.6 73 ;7.2 60I06N*1 A=9"246 <86 .20 3456.' 73 .20 #7C89 B09058"6 <#27 A9D05 .20 50:A;"4=' 49?8D0D 5C0948 9$ '=# aN# 0 ?89SA4620D 4.6 F49B 4B58906 # 679E49E"8<' 73 4.254D8.06 44 48.75 89D .77F 4B5897005.8 4.6 =8:4.8 M97<' F $ 49 ' 7A5D46.89N# 246 F49B 83.05<85D6 6A5509D050D 246 =57< 4 .7 7C:0@ ."40 6A==0667 73 A0A""A6 9$ ' " ' YYA ' 89D <27 83.05 28?49B D06:74"0D 24C 73 067:7.8C48 :05C4..0D 24C .7 504B9 49 5C0948*1 4B58906 ;049B D08D .20 #7C896 ;0=8C0 8"C76.' ."40 8267"A.0 C86.056 73 ."40 F49BD7C*1 # 9.79496 34"=20D 4.6 =57< 4 357C 5.8?86D06 .20 "8<3A" 67?0504B9 8;7A.' .20 @085A*=# > ' 89D >,' 9$ " ' HHN*1 ABA6.A6 B8?0 8 F49B .7 4. ' <"AC 8.' .20 D08.2 73 5.8I486 4.' <86 + ' 75 .8F09 49.7 :766066479 ' ;@ .20 #7C896 " ' >[' 75 > ' 9$ " ' > N 89D 6A=G =0OD49B 0C:05756 =79.49A0D .7 0I05=460 89 7:G :50664?0 :7<05 7?05 4.6 B7?059C09.# .' "09B.2 58 89 A94.0D 4.' 86 8 :57?49=0 .7 .20 0C:450 9.7949A6 M600 * 6E * ! ' A ;06.7<0D 8 F49B A:79 4. ' 89D 5C0948 50C8490D 375 8B06 83.05<85D6 .20 6"8?S 73 C:0548" #7C0*

#4" # ' # ' ' # ' *1 ' ' ' - ' ! ' ' ' + ' 5C0948 .8F09 75 6A;DA0D*1 246 "0B09D 8::0856 79 8 D09854A6 73 # SA4""4A6 "75A6 790 73 ABA6G .A6L6 C7A=.8" .54AC?456# 20 :57?49=0 46 :05G 679430D A9D05 .20 34BA50 73 8 30C8"0 49 8 "79B D5066 <08549B 8 .4858 75 24B2 =8:' 49 .20 F900"G 49B :76.A50 73 8 6A::"489.# 40 496=54:.479 * D ! ' 242(=# 7==A56 79 64"?05 73 AG BA6.A6 <4.2 A:54B2.' 34BA50 73 89 5C09489 49 .20 28;4.' 73 246 =7A9.5@ ' 27"D49B 8 6:085 89D ;7<*1 * ! ' " # ' 8.' 3A""" "09B.2 46 6009 79 B7"D 73 .28.' C:0575 28?49B 375 .@:0 73 50?0560 8 =8:54=794 B"7;0 89D =759A07:4p# 97.205 ' <4.2 .20 68C0 <75D6 79 4.6 50G ?0560 ;0856 8 6:249I# .' <86 6.5A=F 79 .20 7==86479 73 8 679 73 4B58906 28?49B ;009 C8D0 F49B 73 .20 B508.05 990A48 ;@ ABA6.A6*1 D09854A6 73 .20 68C0 C:0575 286 8"67 .20 0:4G B58:2 73 5C0948 8:.8 89D 375 4.6 .@:0 .20 57@8" .4858 .7B0.205 <4.2 8 ;7<' 89D SA4?05 3A""

*

73' 8557<6 ' .20' .<7' "8..05' 4""A6.58.49B' <28.' f46' 684D' 73' 5C0948 ' ;@'.20' : 70.' A=89' 1

5C09476S90' 85=A6' &0.4=46' 49.09D4.8' 905546*
^ 9D' ;09D' 5C09489' ;7<6' <4.2' &0.4=2 6.509B.2*Q

75' CA6.' 97.4=0' ;0' 7C4..0D' 73' .20' 0"0B89.' 50G ?0560' .@ : 0' 79' 8'B7"D' =749 ' < 24=2' <86' C49.0D' A9D05' .20' 68C0' 504B9 ' 89D' < 24=2 ' 86' 89' 8==7C : 894C09.' .7' # ' ' z0 : 50609.6' 8' <49B0D' 4=.75@' 27"D49B' D7<9' 8' ; A""' ;@' .20' 27596 1 8 : .' 0C ; "0C' 73' 8' =79SA0575' 50DA=49B' 8' 375C4D8 ; "0' 090C@' .7' 68 ; 0=.479' ; @' 375=0' 73' 85C6* 1 75' 09B58?49B6' 73' .2060 ' 600' ' ' ++ ' 6 ' ≠ 44≠ ≠ I ?44≠' 34B≠ ' ' 89D' *I4≠ 34BA506' >H ' > [' > *

8.8' W≠ 4 2 ' H 1 5G C0948' 79' 205' F9006' 23.6' A : ' 205' 289D6' 49' 6A : : "4G =8.479≠ 9' 8' D09854A6' 73' ABA6.A6* 1 479' 89D' 8=4.A6' M=4.0D' ;@' =F20" ' ?4≠ a N' =A56754"@' C09G .479 ' .28.' 4 ; 054A6' <86 ' ≠A≠ =≠ H ' 9$ ' " ' > N ' 609.' ; @' ABA6.A6' 357C' @548 ' 79' 89' 0I : 0D4.479' 49.7' 5C0948 ' 49' 75D05' .28.' ;@' D0308.49B' 5.8?86D06 ' 20' C4B2.' =79345C' .20' : 766066479' 73' .28.' =7A9.5@' .7' 246' ;57.205' 4B589=6≠ 0""04A6' 46' C750' .7' .20' : A5 : 760' 73' .20' =749' 49' SA06.479 ' 375' 20' 68@6' T 4 ; 054A6' 09.0549B' 5C0948' <4.2' 246' "0B4796 ' 89D' 50DA=49B' 4.' A9D05' .20' : 7<05' 73' .20' #7C89' : 07 : "0 ' ; 06.7<0D' 4.6' B7?059C09.' 79' 4B.8906*

' ≠ M ≠ 88*N'

5C0948' ?89SA4620D' 75' 6A ; DA0D* 1 ' D09854A6' 73' 85F' 9.79@L6 286' 79' 4.6' 7 ; ?0560' .20' ; 850' 208D' 73' .20' 54AC?45 ' <4.2' .20' .4858 ' 75' =57<9' 73' .20' 5C09489' F49B6' ; 0249D' .20' 90=F ' 89D' .20' <75D6' ≠ # ' * 1 9' .20' 50?0560' 46' .7' ; 0' 508D ' " o # * ' * & ! .12' * & ' (1 ' 2<1 ' M ; @' 4C : "4=8.479' -' 20' .@ : 0' : 50609.6' .20' 208D' 73' "07 : 8.58 ' .20' ' ; 0. 50' 4. ' 49' 8""A6479' .7' 9.79@L6' 89BA5624 : *

≠ ,

8"6O' 50=75D0D' .28. ' 73' 246' 7<9' =24"D509' ; @ "07G : 8.58 ' 20' ; 06.7<0D' @548 ' 79' .7"0C@ ' <4.2' 8""≠ .20' .0554.7540 6' ; 75D0549B' 79' .20' 0""06 : 79. ' 79' "07 : 8.58' .20' D46.54=.' 73' @5090 ' 89D' 79' "01G 89D05 ' 5C0948' 89D' < 28.0?05' =7A9.5406' 20' C4B2.' 6A ; DA0' ; 0@79D' .20' A : 258.06*EEEEE 00' 4o D # *

* 1 9' .20' 50?0560' 73' 8' SA49854A6' 73' 057 ' 46' .246' "0B09D ' 89D' 8' 34BA50' 73' 4=.75@' <8"F49B' <4.2' B85"89D' 0"0?8.0D' 49' .20' 54B2.' 289D ' 89D' 8' "79B' : 8"C' ; 589=2' =85540D' 79' .20' "03.' 627A"D05* 1 9B58?0D' 49' 84""89. ' # ' ++ ' 6 ' : ≠ ' 8546' 0D4.479 ' , a *

28.' .246'=749' <86' C49.0D' 49' .20' @085' 73' #7C0' , ' 9 ' ' [N' .2050' 8 : : 0856' .7' ; 0' 27' D7A ; . ' 375 ' 49' 246' "430' 73' .28.' C : 0575 ' 8=4.A6' 49375C6' A6' .28.' 057' <86' D0="850D' + ' 79' 8=G =7A9.' 73' B508.' 6A==0660' 49' 5C0948 ' 89D' .28.' 6.8.A06' 89D' 85=206' <050' 050=.0D' .7' 246' 2797A5 ' =≠ .' =8997. ' 27<0?05 ' <4.2' .20' 68C0' D0B500' 73' =7934D09=0 ' ; 0' : 5797A9=0D ' <20.205' .20' <75D' # ≠ 6.89D6' 375' .20' .4."0' 73' ' D0=500D' : 0528 : 6' .7' 057 ' 89D' .0C : 75854"@' 86G 6AC0D ' 75' 375' ' # " 8* 1 20' 375C05' 6A : : 764.479' 46' 38?7A50D' ; @' 64C4"85' =7496' 73' ≠ 0?05A6 ' 79' .20' 50?0560' 73' <24=2' 850' 37A9D' .20' <75D6' * $ ' ! $!" ' M<4.2' .20' .@ : 0' 73' 4=.75@' <8"F49BN' <24=2' 850' =05.849"@' .7' ; 0' 01G : "8490D' .2A6 ' # 4 4W' 7 2 43 ' 4.' ; 049B' <0"≠ F97<9 ' .28.' 0?05A6' 28D' .2760' .4."06' =7930550D' 79' 24C* 1 # ' ' ' ?4≠ > H* # ' ' ' E' ' # + ' ; ' # * 1 ' 9' .20' 340"D' ≠ * 1 9' 3456.' ; 5866' 73' 58 89≠ 20' .@ : 0' 0I24 ; 4.6' .20' C : 0575 ' 8..450D' 49' C4"4G .85@' ?06.C09.6 ' <4.2' 8' 6 : 085' 49' 246' 54B2.' 289D' 89D' .20' + ' M600' .20' <75DN' 49' 246' "03.≠ 0' 6.89D6' 49' .20' 8..4.AD0' 73' 8' =79SA0575 ' 28?49B' 246' "03.' 377.' : "89.0D' 7988' ?89SA4620D' 370≠ 9' 08=2' 64D0' 46' 8' 54?05' DO4.@' 50="4949B' 79' 89' AC ' <209=0' <8.05' 3"7<6*

246' ?05@' 5850' =749' 605?06 ' ; @' <28.' 4.' 0I24G ; 4.6' 79' ; 7.2' 64D06' 73' 4. ' .7' =7CC0C758.0' 0?09.6' <24=2' .77F' : "8=0' 49' .20' @085' 73' #7C0' > ' 9$ ' " ' H N ' =79345C8.75@' 73' .20' 8==7A9.6' B4?09' 506 : 0=.49B' .20C' ; @' 246.754896≠ 20' 7 ; ?0560" 0B09D' D06=54 ; 06' 5C0948' 86' 6A ; DA0D' " % 89D' 8==75D49B"@' 8' .4858 ' 6@C ; 7"4\49B' .20' 5C09489' C7985=2@' 46' : "8=0D' 79' .28.' 64D0 ' ; 0249D' .20' : 75.584.' 73' 9G .79@' <27 ' 67' 385' 357C' 28?49B ' 49' 3845' 89D' 7 : 09' <853850 ' ?89SA4620D' 5.8?86D06 ' 28D' 79"@' 6A=G =00D0D ' ; @' 8' ; 860' 6.58.8B0C ' 49' D58<49B' .28.' A9375.A98.0' : 549=0' <4.249' 246' : 7<05 ' 89D' .209' D06 : 74"49B' 24C' 73' 246' D7C494796≠ 20' "0B09D' 73' .20' 50?0560"46V : 7C : 796' 49' .20' 0I.50C0 ' .27AB2' 246.754=8""@' =7550=. ' =8""49B' "07 : 8.58' .20' %A009' 73' ' 49B6 ' 89D' M.20' <75D' ' ; 049B' A9D056.77DN' .20' 7.205' 73' ' 49B6L' 796≠ 20' .06.4C79@' 73' 479' 6A : : 75.6' .20' 38=.' .28.' 49' 8' 6 : 00=2' .7' .20' : 07 : "0' 73' "0I89D548 ' 85F' 9.79@' =7CC89D0D' .28.' "07 : 8.58' 627A"D' ; 0' 6.@"0D' %A009' 73' ' 49B6 ' <4.2' 54B2.' 89D' .4."0' .7' B@ : .' 89D' @ : 5A6≠ .' 46' 5C0948' 46' 50 : 50609.0D' ; @' .20' <7C89 ' 79' <2760' 208D' 46' 8' C4.50E375C0D' =7?0549B ' .20' 98.4798≠ =8 : ' 73' .28.' =7A9.5@ ' A6.' 86' 79' =7496' 73' ABA6.A6' 496=54 ; 0D' ' ' + 1 067 : 7G .8C48' 46' 49D4=8.0D' ; @' .20' .<7' : 05679434=8.4796' 73' 54?056 ' 86' ; 7A9D0D' 79' 790' 64D0' ; @' .20' 4B546 ' 89D' 79' .20' 7.205' ; @' .20' A : 258.06 ' 4.' .77F' 4.6' 98C0' 357C' 4.6' 64.A8.479') & ' .2760' .<7' C4B2.@' 6.508C6' 73' .20' 86. ' <24=2' 8"C76.' 8.' .2045' =79G 3"A09=0' 38""' 49.7' .20' 056489' &A"3* 1 ?4D' <209' : 50D4=.49B' <4.2' A96A==0663A'* 8ABA5@' .20' ?4=.75@' 7?05' .20' 85.24896' ; @' 8496' 80685' 679' 73' B54 : : 8 ' 89D' .20' =7960SA09.' D46 : "8@' 73' .20'

> # *

6@C ; 7"6 73 ?89SA4620D 98.4796 89D =4.406 49.57G DA=06 .20 37""7<49B "4906 <24=2 850 649BA"85"@ D06=54 : .4?0 73 .20 .@ R0 8 ; 7?0 B4?09/1

40 06. , $? $ ' :50=4A=.96 8589D490 3579.058 8 =7C8 D0 : 0C"0. 705A"8 ' 054.*

76 38=4.7 5C09476 ; 60= 06. 898048 05648 +K5;6 49 =260CO7446 ?8""4 ; A6 46.8 3A4.*

^ 246 46 A : 258.06 <4.2 246 ;57<=57<90D <4.2 500D6

28.5 ; <4.2 3"7<49B ; "A0 2845 46 4B546

2060 * 5C094896 & 8960489 05646

28. 2 =4.@ .20 !%% 73 =260CO948*Q

3 .246 <0""EF97<9 246.754=8" 50?0560 49 <24=2 67 CA=2 D064B9 46 =7C : 50209D0D <4.249 67 98557<

8 6 : 8=0 "4.."0 3A5.205 50SA4506 .7 ; 0 684D .289

.28 .20 =749 4.60"3 <86 6.5A=F a 9 , , N 89D .28 .' 4.' 50"8.06 .7 0?09.6 73 .28 .' 89D

.20 : 50=0D49B @085* 1 58 89 .7<85D6 .20 ="760

73 246 504B9 8=.A8.0D .77 CA=2 375 246 7<9

508" B"75@ 89D 246 0C : 4506 <0"3850 ; @ 8 6 : 454 73

8BB50664?0 8C ; 4.479 D0="850D <85 8B8496 .20

85.24896 <27C 83.05 7?055A9949B @548

067 : 7.8C48 89D 5C0948 20 D0308.0D 49 0?05@

09=7A9.05 97C498.49B 35062 F49B6 06.8 ; "46249B

60?058" B7?059C09.6 89D .2050 ; @ B84949B 357C

.20 7C89 098.0 .20 .."0 73 # 246

3490 =749 89D .<7 7.2056 375C .20 506 : 0=.4?0

9AC46C8.4= 50=75D6 73 .2060 =79SA06.6* 1 00

' 89D' # +' # ' *

" % #" # # =* 1 20 : 57?49=0 : 05679430D 608.0D 79 .20

B57A9D 8C4D6. .20 8996 73 205 =7A9.5@ 6A : G

: 75.49B 205 208D <4.2 .20 54B2. 289D 205 "03.

506.49B 79 .20 : 57<73 8 624 : *

20 "0B09D 89D . P : 0 8 : : 085 79 8 D0985496 73

05A6 C49.0D ' ' , H* 1 2 50 46 8"67 8

; 5866 C0D8""479 73 .20 68C0 0C : 057. .20 50?0560

73 <24=2 286 ' ?454*' ! # ' " ! ' 375 4.6

"0B09D 1 .20 .@ : 0 50 : 30809.49B 05A6 79 27560G

; 8=F 37""7<0D ; @ .<7 67".2056 ; 0908.2 .20

27560 8 : 576.58.0 090C@# 9 .20 0105BA0

zWz*EEEE 9B58?0D 49 4""49 4

$ $ 0 # 4*' : 4*' III?444# 7# H 1 89D' 49

460"4A6 F ' I4I # 7# *

246 ?7"A : .A7A6 89D 49D7"09. : 549=0 <4.27A. 89@ : 056798" 546F 75 0105.479 73 246 7<9 ; A.

67"0"@ .257AB2 .20 ?8"7A5 73 .20 "0B4796 A9D05

246 ;58?0 89D 8 ; "0 B09058" .8.4A6 5460A6

28D 50B8490D 5C0948 357C .20 7==A : 8.479 73

7"7B80606 *' ' 49B 73 .20 85.24896 <27 28D

24C60"3 0 0=.0D 780C76 8 : 549=0 6 : 5A9B 357C

.20 58=0 73 .20 568=4DC# 9 .246 8==7A9. .20

.4."0 73 F3 75 .20 5C09489 M754B498""@

=7A30550D 79 057N <86 886C90D 86 8 =7B97C09

; @ # 05A6 89D 8"67 ; @ 246 609475 8667=48.0 49

.20 0C : 450 # A50"4A6*

57C .2060 =74A6 M68@6 =F20" ? 44# a N <24=2

8..54 ; A.0 .20 .4."0 73 .7 05A6 86

085"@ 86 246 .245D .54 ; A90624 : " <0 "0859 .28 .' 246

0C : 0575 8D7 : .0D .20 8 : : 0""8.479 677905 .289 #

A50"4A6 375 .20 "8..05 46 97 .' =8""0D 5C0948=A6

79 =7496 .4""# 246 4 .2 .54 ; 9906 44 : <24=2 =75G

506 : 79D6 <4.2 .20 37A5.2 73 1 05A6# 20 ?0660"

8 : : 8509. "@ 503056 .7 67C0 98?8" ?4=.75@ B8490D

7?05 .20 5C09489 6 79 .20 A : 258.06*

20 .@ : 0 73 5C0948 608.0D 79 .20 B57A9D 46

8"67 6009 79 .20 =7496 73 A50"4A6*

*

T 7 .20 ; 06. 73 C@ F97<"0DB0 M8DD6 .20

8A.275 73 . % .2060 =7496 850 .20 79"@

7906 <24=2 : "8=0 .20 .4."06 ! # ' ! ! ' 89D 54 ; AE

98.A6 # 49 A I .8E : 764.479*U

, # ' ' 1 00 * 6

2 46 # 7A =74446 73 9.7A49A6 4A6 89D

A=4A6 05A6*

75 # # n * 1 2050 46 8 ; 5866

C0D8""479 73 50 ; 79489A6 &8""A6 <24=2 79 4.6

50?0560 0124 ; 4.6 .20 34BA50 73 : 7""7 <4.2 58D4G

8.0D 208D 6.89D49B 79 57=F6 58460D 49.7 .20

375C 73 C7A9.849 27"D49B 49 790 289D 8 "85B0

; 589=2 73 7"4?0 75 "8A50" 89D 49 .20 7.205 8 ; 7<

A96.5A9B# 9 .20 340"D 73 .246 =749 46 496=54 ; 0D .7

.20 54B2. # # 89D .7 .20 "03. ! 75 86 4.5 08D6

79 8 60=79D ; 58.6 73 7"A6489A6 * ' >0 / '

84""89. 89D 83.05 24C #89DA54 8""ADO .7 8

64C4"85 C0D8""479 2A. 904.205 73 .20C 600C .7

97.4=0 .20 .@ : 0*

7D47 ; 85 ; A6 <27 8 : : 0856 .7 37""7<.20 8A.275

73 .20 =8.8"7BA0 + 286 <4.27A.

C09.47949B .20 64\0 ="8660D 4.5 8C79B6. .20 =7"7G

948" C0D8"6 86 43 * 89D ! <050 .20 98C0

73 8 =7"79@* 1 k50 85D7A49 49 09D08?7A549B .7

0 I : "849 4. <89D056 8<8@ 8==75D49B .7 246 A6A8"

C89905* 1 0""0549 49.05 : 50.6 .20 60 <75D6 86 .20

8 ; ; 50?48.0D 98C06 73 .<7 .7<96 49 C ; 548

98C0"@ 89D 2060 <050 904B2G

; 7A56 8AD 8. .2045 749. 0I : 0960 =8A60D .20

34BA50 73 : 7""7 .7 ; 0 58460D 79 89 0"0?8.0D 6 : 7.

49 75D05 .28. 4. C4B2. ; 0 6009 8385 7. 89D 49G

?7F0D ; @ 8"" .20 : 07 : "0 73 .20 6A557A9D49B D46G

.54=. 79 8==7A9. 73 8 D508D3A" : 06.4"09=0 <24=2

58B0D 49 .8"@ DA549B .20 504B9 73 50 ; 79489A6

&8""86 ; 0.<009 ' >[>' 89D >[# 28. 0CG

: 0575 28D 49 =7960SA09=0 75D050D : 57 : 4.48.75@

68=5434=06 .7 ; 0 734050D .7 8"" .20 B7D6 49 0?05@

: 57?49=0 73 .20 0C : 450 / 89D 4. 46 0864"@ .7 ; =*6A : E

: 760D .28. .20@ <7A"D 8 ; 7?0 8"" C 4"750 .20 84D

73 : 7""7 <27 <86 : 85.4=A"85"@ 50B85D0D 86 .20

208"49B 89D 6A==7A549B D04.@ 49 =8606 73 C8"8G

D406# 2050 850 7.205 C0D8"6 73 .20 68C0 CG

: 0575 ; 08549B 79 .2045 50?05606 .20 "0B09D

4 4 o *! 89D 28?49B 375 .2045 .@ : 0 8

50 : 50609.8.479 73 : 7""7 <4.2 79"@ .246 D44305E

0.4=0 .28. .20 208".2E506.7505 46 :"8=0D 49 .20

8 ; 7?0 C0D8""479 79 .20 6ACC4. 73 8 57=F@ 24""

89D 600C6 .7 28?0 ; 009 =7"7668"# .' <86 8DD6

0""0549 C76. : 57 ; 8 ; "@ 50B85D0D 86 8 C79AC09.

73 6A334=409. 4C : 75.89=0 .7 C054. ; 049B 9AC46E

C8.4=8""@ 50=75D0D 49 2797A5 73 .20 =4.406

89D ' ; @ <2760 4928 ; 4.89.6 4. 28D ; 009

749 @ 050=.0D# 2060 .<7 :"84?06 0146. .7 .246

?05@ D8@ .20 790 A9D05 .20 98C0 73 *10

9 1$ 89D .20 7.205 A9D05 .2835 73

75 89 09B58?49B 73 .20 0749 600 6 '444#

: # [>

=F20" 0?4D09. "@ 49=4906 .7 .508. 0""0549G

=79 0=.A50 86 49 8"" : 57 ; 8 ; 4"4.@ 2 54B2. 790

; A. 249F6 .20 SA06.479 6.4"" 7 : 09 86 .7 <20.205

.2060 =7496 <050 6.5A=F 8. #7C0 75 49 .20 .7<96

.20C60"?06# 9 .20 .4C06 73 .20 C : 05756 .2050

<050 97 C790.8" 733=06 M75 C49.6N 49 .8"@ 7A.

73 #7C0# T 7< M20 8DD6N 28D .20@ ; 009 6.5A=F

49 .20 =4.@ D7 97. ; "0402?0 .28. .20 C85F

6# =# <7A"D 28?0 ; 009 "03. 7A. 0?09 79 60=79D

; 5866 =74A6# 0?05.20"066 086@ 86 4. C8@ 20 .7

C77.' 89' 7:49479' 8D?0560' .7' .28.' 73' 67'0C4909.' 8' C89' 86' 0""0549 ' 4.' 46' ?05@' D4334=A":.' .7' 8D?89=0' 89@.249B' ;0..05 ' 75' 73' B508.05' ?8"4D4.@*U' M?44# H[N# 2050'850' =7496' 73' &0.8 ' 73'8' 64C4"85'D0E' 6=54:..479 ' ;08549B'375' "0B09D' ' $ 1 00'.20' .!75D*

' B096' :"0;048* 1 ' 38C4"@' <24=2 ' D0G 6=09D0D'357C' %# 554A6 ' .54;A90' 73' .20' :07:"0' :57DA=0D' C09' 605?4=08;"0' .7' .20'50:A;"4=' ;A.' 4.' ;0=8C0' 6.4"" ;0..05' F97<9' A9D05' .20' 0C:05756# .6' =7B97C09'46' F F3' 79' =7496 ' 73' <24=2' 4.' :50609.6' 60?09' ?8540.406# 7.2' B7"D' 89D' 64"?05' ! ?05@' 5850# 20' ;5866' :40=06'850' =7"7948"# M73' 7G 549.2N' 89D' 5850* 1 20'37""7<49B' "0B D' 89D'.@:0' 8::085' 79' B7"D' 89D' 64"?05' C49.0D' ;@.246' 38C4"@/

1 1 # 4?6' * 1 "8"=' 208D' <4.2' @7A.23A"# ;085D*

1 (4.27A.' "0B09D# ' 6:085' ;0.<009' 8' B85"89D' 89D' 89' 8".83' "4B2.0D*

2050' 46' 897.205' D09854A6' <4.2' .20' 68C0' 50G ?0560' 89D' .20' 68C0' 38C4"@' 98C0' 79' .20' 7;?0560' ;A.' <4.2' 8' 30C8"0' 208D' 89D' 8;7?0' 4.' .20' "0..056' ** *' *

A=2' .0D47A6' 89D' 35A4."066' D46:A.8.479' 286' ;009' 20"D' ;@' =05.849' C790.8"# 89.4SA85406' 73' .20' 0"D05' 6=277"' 79' .20' SA06.479' 86' .7' <27' .246' ' F ' <86z' (4.2' 506:0=.' .7' .20' "0..056' # # #8==75D49B'.7' 8?05=8C:L6'7:49479' 4.' 64B943406' ! ' ! + '6 :' ;A.' 84""89.' 508D6# ! ' 7:A"4 #7C894' 89D' 8.49'6ABG B06.6' ! ' 7:A"4 #7C894# =F20"# M?7"# ?*N' 46' D0=4D0D"@' 49' 38?7A5' 73' .20' 3456.' 49.05:50.8.479' 75.4.AD0' 97.' ;049B' 50=7B9460D' 86' 8' D04.@' ;@' .20' #7C896' <24"6.' .20@' <050' :0=A"485"@' 8DD4=.0D' .7' .20' <75624:' 73' 75.A90# 9' .20' F ' 38C4"@' .2050' 46' 8' 64C4"85' 30C8"0' 208D' 57A9D' <24=2' <0' 508D' % * ' # ' $

' *' ' 49B' 73' 5C0948' <27C' 85F' 9.79@' .77F' :5467905' ;@' 6.58.8B0C' H' @0856' ;03750' .20' 2546.489' 6058' 89D' "0D' 24C' 8<8@' =8:.4?0' <4.2' 246' =24"D509' 49' .54AC:2' .7' "0I89D548# 09=0' 79' 8' =749' 73' 9.79@L6' <0' 600' 8' .57:2@' 8""A64?0' .7' .20' 38.0' 73' 5.8?86D06' 89D' 79' 897.205' C49.0D' A9D05' .20'68C0' 54AC?45' 8::0856' .20' 75409.8"# 4858' D064B90D' .7' 6@CG ;7"4\0' .20' 0?09.' 73' .20' 5C09489' =57<9' 38""49B' 49.7' .20' 289D6' 73' .28.' #7C89' &09058"* 1 00' # ' 4 # 00'7"67' '

+ ' ' 49B' 73' 5C0948' ;@' <2760' D08.2' .20'B7?059C09.' 73'.28.' =7A9.5@' D0?7"?0D' .7' .20' #7C896' A9D05' ABA6.A6* 1 300' ' 679' 73' 9086' ;@' 50A68' D8AB2.05' 73' 548C# 0' <86' 83.05<85D6' =8""0D' 3' 8""A64?0' .7' .20' 3456.' D7<9' 73' .20' 2085D# M 45B# ' *' 4*N' 54?09' 357C' 57@' <4.2' 246' 38.205' 20' 83.05' C89@' <89D0549B6' 8554?0D' <4.2' 24C' 49' 8.4AC# .' <86' 49' C0C75@' 73' 6=894A6' .28.' .20' 7 ' 4 ' M 57440' %' <050' =0"0E' ' >

;58.0D' 8.' #7C0# 3' .2060' B@C986.4=' 6:75.6' 20' <86' .20' 50:A.0D' 37A9D05' k7! 3' # ?*N' 89D' .20' @7A.2' 73' .8"@' .77F' 89' 0I="A64?0' :85.' 49' .20C# 20' 6.54:"49B' <27' :5064D0D' 79' .2060' 7==8647960' <86' =8""0D' ! + '- $ ' M 2403' 75' 549=0' # 73' 7A.2N# <209=0' .28.' .4."0' =8C0' 83.05<85D6' .7' ;0' ;06.7<0D' 79' .20' 20456' 89D' 006856' 73' .20' 0CG :450' <27' 850' .2A6' D064B98.0D' 79' 8' "79B' 6A=G =06647' 73' 50?05606' 49' .20' 4C:0548"# 605406' 73' #7C8A' =7496# 6=894A6' <86' .20' 866AC0D' :57G B094.75' 73' .20' - ' B096' .7' <24=2' KA"4A6' D685' ;0"79B0D# ==75D49B"@' .20' 4C8B06' 73' ;46' 38.205' 89D' B589D38.205' M4 9086' 89D' 9=24606N' .7B0.205' <4.2' 246' 7<9' 86' 8' "4.."0' ;7@' 375C' 8' B57A:' 79' D098544' 6.5A=F' A9D05' ABA6.A6' 89D' 79' C0D8"G "4796' 73' A.7749A6' 4A6* 1 00' ' ::# , ' 89D' , *

* 1 00' ; + ' 6646' 89D' *! 1 2060' <050' .20' <75D6' A60D' ;@' .20' #7C896' 49' =7990=.479' <4.2' .20' 6A; 0=.' 73' C790@' .7' D097C498.0' 89' 49.0B05' 75' 09.450' SA89.4.@' 73' <04B2.' " '+ ' 86' =F20"# 0I:506606' 4.N' D4?4D0D' 49.7' .<0"?0' :85.6' =8""0D' ' 9D' 86' .20@' =7CC09=0D' .2045' =749G 8B0' <4.2' ;5866' 67' .20' ' <86' .2045' C76.' 89=409.' C790@# 20'6 C79@C06'73' c' 75' ' <050') ' 8 ' 89D' + :' .20' <04B2.' 73' .20' ' C790@' ;049B' .20' 68C0' 86' .28.' 73' .20' :7A9D' 73' .<0"?0' 7A9=06' ' 89D' 9AC057A6' =7496' 850' 01.89.' 97.' 79"@' 73' .20' 09.450' ' ;A.' 8"67' 73' .20' :85.6' 49.7' <24=2' 375' C790.85@' :A5:7606' 4.' <86' 334?4D0D*

0="4A4AB' .7' .7A=2' A:79' 9AC057A6' D0.84"6' 73' D46=A66479' =79.8490D' 49' .20' =7:47A6' :8B06' 73' =79.57?05648"# 89.4SA85406' 89D' 64C:"@' 50305549B' 375' 3A5.205' :85.4=A"856' .7' 7128.' <4""# 20' 37A9D' B4?09' 49' .246' D4=.47985@' A9D05' .20' 208D' 73' * ' ' 4.' 628""# 2050' 6A334=0' .7' 866AC0' 86' =05.849' .28.' C790@' =79646.49B' 73') ' 3' ;0B89' .7' ;0' 38;54=8.0D' C' #7C0' 43' 97.' 8=.A8""@' A9D05' 05?4A6' A""4A6' 8.' "086.' 6779' 83.05' .28.' F49BL6' D08.2# 20' :549=4:8"# :40=0' <386' .20' ' <24=2' =796.4.A.0D' .20' :54C4.4?0' A94.' 73' .20' #7C89' C49.# 20' 085"406.' F97<9' 6:0=4C096' 73' 4.' 850' 73' ;A"F@' D4C0964796' ;A.' .20@' <050' 90?05.20"066' A9SA06.4798;"@' C790@# 28.' :75.479' 73' .20C' 27<0?05' <24=2' 357C' .2045' 375C' 64\0' 89D' <04B2.' =7C0' A9D05' 7A5' 8==0:.8.479' 73' .20' <75D' ' CA6.' 0?4D09."@' 28?0' ;049.57DA=0D' 8.' 8' CA=2' "8.05' :0547D* 1 20' ;5866' =7498B0' 73' #7C0' 3456.' 06.8;"4620D' ;0.<009' .20' @0856' [[' 89D' [[[' ;03750' .20' 2546.489' =058' M75'.7' .8F0' .20' =7C:A.0D' DA58.479' 73' .20' 504B9' 73' 05?4A6' A""4A6' ;0.<009' [' 89D' [H ' @0856' $ ' " A' =79G 646.0D' 86' 8;7?0' 6.8.0D' 73' .20' ' .20' :54C85@' A94.' <04B249B' ,>' =' 75' 7A9=06N' 89D' <75.2' ,>' A9=4=0' 49' C790@# .6' + ' 89D' 4.6' + ' <050' 86' 37""7</1

K *

A:79D496' M.<7' %

54:79D4A6' M.2500' %

%A8D5A6646' M37A5' %

0=A6646' M.09' %

(*

0C46' M"48"'3' 73'.20' ' 75' 64I' A9=4=0N*

%A49=A9I' M34?0' A9=4=0N*

5409G' M.245D' 73'.20' ' 75' 37A5' A9=4=0N*

%A8D5896' M37A5.2' 73'.20' ' 75'.2500' A9=4=0N*

*

01.896' M641.2' 73'.20' ' '.<7' 99=460N*
9=48' M.<0"3.2' 73'.20' ' 75' 790' 7A9=0N*
20' M^749=76646' M34?0' ' 75' 8' SA49854A6N ' .20' 0A91' M0"0?09' 99=460N ' 01.896' M9490' 99=460N ' 06' MO4B2.' 99=460N ' 0:.994' M60?09' 99=460N ' <050' C790.85@' 358=.4796 ' M86' *' 09949' 7;605?06N ' <24=2' <050' 7==864798""@' 960D' 49' =8"=A"8.479 ' ;A.' <24=2' 28D' 97' 0146.09=0' 86' 508*' C790@*
7C0' 73'.20' 8;7?0E964C0D' ;5866' =7496 ' 73'085"@' 7C89' 38;54=' ;085' C85F6 ' 89D' 496=54:.4796 ' 86' <0"" 86' .@:06 ' 357C' <24=2' 8' 6@6.0C' 286' ;009' 375C0D' 375' 34149B' .2045' "0B8" ?8"A06' 89D' .2045' D097C498.4796*' 20' 37""7<49B' 46' 8' D06=54:.4?0' "46.' 73' .20C ' =7C:4"0D' 357C' =F20" ' 47A90.' F05C89 ' 89D' 09949'/1
3 ' ' 5# ' ' ' ' ! ' ' *
,* 20' . ' C85F0D' +* 286' 375' .20' .@:0

*

73' 4.6' 7;?0560 ' .20' 208D' 73' 4905?8 ' 79' .20' 50?0560' 46' .20' :57<' 73'8' ?0660"* \ ' 20' / ' 0124;4.6' ?8547A6' .@:06 ' .20' C76.' =7CC79' 73' <24=2' 46' 8' ;A"" <8"F49B* ^ 2060' :40=06' 28?0' .20'375C' 73'8' "79B' 6SA850* 20' 6:0=4C096' 49' .20' 54.462' A60AC' 4' 49=206' ;@' H4' 49=206* 20' 208?406.' <04B26' H' ";6* ,>'7*1 00' F05C89L6' . ' ' ' ?7"* ,*Q
* 20' + ' C85F0D' *' ;0856' 79' 790' 64D0' .20' 208D' 73' 4905?8 ' 79' .20' 50?0560'V8 624:L6' :57<*
* 20' * + ' 46' C85F0D' *' ^ 7C0' 73' .2060' :40=06' 850' 73' .8"489' 754B49 ' 89D' 2085' .20' <75D' # o 3! ' 49' 50.57B58D0' .946=89' =2858=.05*Q' 20' .@:0' 73'.20' 7;?0560' 46' 4G 905?8L6' 208D '89D' 73'.20'50?0560' 8' 624:L6' :57<* * 20' ' M:54C4.4?0' C790.85@' A94.N*

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<86' ?8"A0D' 8.' , ' ' C) ' <209=0' 4.6' 98C0*

' 20' 'F ' <86' 73' .20' <04B2.' 73' .<7' 7A9=06' 246' 6.89D85D' ;0 89' <24"6.' .20' 3456.' A94=' <85' <86' 8.' 4.6' 204B2.' 89' =79.49A0D' .4"'" .20' D4=.8.75624:' 73' %*' 8;4A6' 8I4CA6' A:79' <24=2' 20' 09.050D' *A*=*' [H ' 9s ' " ' >, ' >9D' @085' >9D' 3494=' <85*N

' 20' ' ' <04B20D' 79D' 7A9=0' 357C' .20' D4=.8.75624:' 73' %' 8;946' A9.4"' .20' 49G .57DA=.479' 73' .20' ' ! + :' 506:0=.49B ' <24=2' "8<' 4.' 46' 97.' :50=460"@' 86=05.3.A0D' 8.' <28.' .4C0' 75' ;@' <24=2' 8:454A6' 4.' <86' =8554D*' 20' <75D' 'A60D' ;@' "49@' 620<6' .28.' .246' 375C' 73' .20' 'D4D' 97.' "86.' "79B*' 57C' .28.' .4C0' .20' ?8"A0' 73' .20' ' <86' 8A.2754.8.4?0"@' 3410D' 8.' , '

*' 20' 'F ' 75' 73' .20' 28"3E7A9=0' " % ' 246' =7CC09=0D' <4.2' .20' ' ! +

A=2' 850' .20' 6AC' 89D' 6A;6.89=0' 73' .20' 49D4G =8.4796' B4?09' ;@' "49@*' A.' .2050' 850' 97.' 8' 30<' =45=AC6.89=06' <24=2' 8::085' .7' ;0' 8.' ?85489=0' <4.2' .20C*' 9D' .2060' =F20"':57=00D6' .7' :749.' 7A.' 49' .20' 37'"'7<49B' C89905'/

! 3' .20@' 850 78.58D4=.0D' ;@' 0I:05409=0' 4.60"3*' 75' 49' C89@' CA60AC6' .2050' 850' 9AC05G 7A6' 6:0=4C096' 73' .20' ' 89D' .2760' A9D7A;.0D"@' #7C89' <24=2' <04B2',,' ,' 89D' 'A9=06' =*' "67' ' 73' [' '=*1 9D' 49' .20' 68C0' 58.47' .20' '0 ' ' 89D' ' 09=0' 4.' 46' 0?4D09.' .28.' .20' ' =7A"D' ;@' 97' C0896' 28?0' ;009' M86' "49@' 8:0856' .7' 86605.N 50G DA=0D' 6ADD09"@' <4.27A.' 89@' 49.05C0D48.0' D4C4G 9A.479' .7' .20' <04B2.' 73' >' A9=460*' ?

T'F 3' 86' .20' =7CC79<08".2' 79' .20' 50G DA=.479' 73' .20' {' .7' >'7 ' B8490D' 8' :5734.' 73' [E .26' 375' .20' "4SA4D8.479' 73' .20' :A;"4=' D0;.' 67' .7' :54?8.0' 49D4?4DA8"6' .20' "766' <86' :57:75.4798.0*' 209' =8C0' .20' 28"3' 73' .246' <209' .20' 0 ' <86' D4C494620D' .7' 790' ' 9D' "86."@' .20' 28"3' 73' .246' 8B849' 79' .20' 49.57DA=.479' 73' .20' 60C4A9=48*' ' 20503750' 20' <27' 49' .20' @085' +K*=*' a ' 28D' ' ' :A.' 7A.' .7' 49.0506.' 37A9D' 24C60"3' 6ADD09"@' 50DA=0D' .7' ' 49' 375.@E60?09' @0856' 83.05<85D6' .7' [' 89D' 97.' "79B' 83.05' .28.' ;@' .20' 8:45489' "8<' .7' >[*' 7<' 43' 86' .246' C790@' D0=50860D' 49' <04B2.' .20' 54=2' ;@' .20' =79=7C4.89.' 5460' 49' .20' :54=0' 73' 85.4="06' CA6.' 28?0' ;009' 50DA=0D' .7' :7?05.@' 89D' .20' :775' .7' A..05' D06.4.A.479' =7A"D' 89@' 7.205' 506A".' 28?0' 28::090D' .289' .20' 09.450' 5A49' 73' .20' 6.8.0z

T' 3' 649=0' .20' D09854A6' <86' <75.2' , ' ' C) ' 89D' .2050' <050' H ' D0985442' 49' .20' "4;58' M79' "49@L6' .06.4C79@' =79=A550D' 49' ;@' .28.' 73' 0"6A6' 89D' =54;794A6' 85BA6N 4.' 90=06G 6854"@' 37'"'7<6' .28.' 6"?05' <86' .7' ;5866' 8.' .28.' :0547D' 86' ,' .7' ' 49' ?8"A0*' 7<' 27<' CA=2' 670?05' <0' C8@' ;0' 49="490D' .7' 50B85D' h.20' 89=409.' #7C896' 86' :775' 89D' D034=409.' 4:' .20' C750' :50=47A6' C0.8"6' =89' 6A=2' 89' 0I.50C0' D46:57:75G .479' ;0.<009' 64"?05' 89D' ;5866' ;0' =7964D050D' :57G ;8;"0'z' A.' .27AB2' .7' .20' B508.' C8 754.@' .246' 7:49479' CA6.' 8::085' 50:AB989.' .7' 8"'" .5A.2' @0.' .7' C89@' 4.' <86' C8..05' 73' ;0"403' .28.' .20'

*

6.5A=F' 8.' .28.' .4C0' <209' .20' ' <86' 6.4"'" 49' A60' <86' 73' B508.05' <04B2.*' ^ 3.05' 07CE' ;8..49B' <4.2' =79="A64?0' 0330=.' .20' ?4647985@' =79G 0=.A506' 73' 8?7.' 89D' 7.2056' 73' .20' 0"D05' 6=277" 73' 9AC46C8.46.6' 79' .246' :749.' =F20" 901.' 7;G 605?06'/Q

N'! 3' .20' C76.' 86.7946249B' 38=.' 46' .246*' 20' D09854A6' <24=2' 8.' 3456.' <86' 0SA4?8"09.' .7' ,' ' C) ' 75' ,>' ' <4.249' 8' =7CG :858.4?0"@' 30<' @0856' <86' <75.2' , ' ' 75' ' A9=4W*' ' D7' 97.' M8DD6' 7A5' 8A.275N' 4C:AB9' .246' "86.' :57:75.479' <24=2' 49D00D' D706' 97.' 01=00D' .20' 27A9D6' 73' C7D058.479 1 98C0"@' .28.' 375' 8' ' <24=2' <86' 790E60?09.2' 73' 89' ' <050' 01=289B0D' ' ' 73' ;5866' C790@*' A.' <27' =89' 0864"@' D4B06.' .20' 97.479' .28.' 49' 67' 6275.' 8' 6:8=0' 73' .4C0' 64"?05' 357C' ;049B' .20' C76.' =76."@' C0.8"' <86' 50DA=0D' .7' 6A=2' =208:9066' zU

7' 385' .20' A.275' 73' T' . W' 79' "49@L6' 8==7A9.' 73' .20' 085"@' 246.75@' 73' .20' #7C89' =7498BW'O 89D' 73' .20' D4C49A.479' 73' .20' 1 N5*' 85D<0"'" 49' 790' 73' 246' "0=.A506' .508.49B' 73' .20' 68C0' 6A;G 0=.' 733056' 50C85F6' 73' <24=2' .20' .0975:0530=."@' =749=4D06' <4.2' .20' 8;7?0' =4.0D' ?40<6' 89' 5086796 49B6' 73' .20' B508.' AC46C8.46.' 73' 40998' 86' .7' .20' D7A;.3A'* =7550=.9066' 73' "49@L6' 8==7A9.*' A.' U' 8DD6' .20' 08590D' 549=4:8'* 73' .*' ";89L6' 8"'" ' T' .20' 6.579B06.' 7;0=.479' 8B8496.' .20' 6.8.0C09.' 73' "49@' 6.4"'" 50C8496*' 3' 246' 8==7A9.' <050' =756 50=.' 97' ' =7A"D' 0?05' 28?0' ;009' C49.0D' 73' 8' <04B2.';0.<009' .20') '73' .20' 085"406.' :0547D' 9 'F ' ' .20' A94=' <85' 975' 49' "4F0' C89905' 89@' F 9';0.<009' .20' 3A"'" <04B2.' 73' 641' 7A9=06' 89D' .'40' 50DA=.479' .7' 790' 649B"0' 7A9=0' <20508' .20' 38 ' .28.' <0' C00.' <4.2' ;7.2' .2060' =7496' 4A' 89.20' 60?058" 6.8B06' 73' D0B58D8.479' :57?49B' 49=79.06.8;"@' .28.' .20' =289B0' <86' B58DA8"*' 28.' 6A=2' =289B06' <050' 8=.A8"'@' C8D0' 89D' .28.' .20' =7CC79' =A5509=@' 73' #7C0' A9D05<09.' 50:08.0D' 89D' 8.' "86.' 01.50C0' ?8548.4796' 49' 4.6' 6.89D85D' 46' 8' 38=.' .28.' C4B2.' =05.849"@' ;0' 89.404 48.0D' 357C' .20' A96=409.434=' =2858=.05' 73' .20' .4C06' 357C' .20' D0C89D6' 73' 8' =796.89.' 6.8.0' 73' <853850' 89D' 0?09' 357C' .20' A94?0568"' :50?8"09=0' 73' D0;.' ;A.' .246' 38=.' 46' 3A"'@' 06.8;"4620D' 86' .7' .20' C7D0' 89D' 01.09.' 73' 4.6' 7:058.479' 97.' ;@' <28.' <0' 3..205' 357C' 246.75@' ;A.' ;@' <28.' 46' ="085"@' "84D' ;03750' A6' 49' 8' 605406' 73' =7496*U 1 ?4*:*' , *

^ 6.7' .20' ?7"AC497A6' 7:49479 6' <24=2' 28?0' ;009' 37A9D0D' 79' .20' 6.8.0C09.6' 73' .20' 7"D' <54.056' ;@' 8' 276.' 73' C7D059' 7906' 86' <0"'" 50*6:0=.49B' .20' 508"' <04B2.' 73' .20' 89=409.' #7C89') ' M75' :7A9DN' 86' <4.2' 50B85D' .7' .2S' 50DA=.4796' 6A=G =0664?0"@' C8D0' 49' .20' <04B2.' 73' .20' 1 904.205' 850' .20@' ="085' 097AB2' 49' .20C60"?06' 975' 850' .20@' 6A334=409."@' 8==75D89.' <4.2' 08=2' 7.205' 975' M<28.' 46' C76.' 4C:75.89.N' 850' .20@' ' <4.2' .20' 50SA464.0' D0B500' 73' =75506:79D09=0' 27C0' 7A.' ;@' .20' =7496 .20C60"?06' .7' <24=2' .20@' 50305' .7' 3A59462' 8' ="A0' ;@' <24=2' 89@' :764.4?0' D0=46479' =89' ;0' 8554?0D' 8.' 79' .2760' 506:0=.4?0' :749.6' 73' D46=A66479' <24"6.' .20@' 0SA8"'@' 38"' 6275.' 73' 06.8;"46249B' 89@' <0"'" E D4B06.0D' 6=8"0' ;@' <24=2' .7' C086A50' .2760' 6ADG D09' 89D' 01.5875D4985@' D4C49A.4796' 49' .20' 64\0' 89D' <04B2.' 73' .20' #7C89' ;5866' =7498B0' ."C.

"49@' 89D' 7.2056' 83345C' .7' 28?0' .8F09' :"8=0# 3' 49D00D' 8' 570"4=2' D0="850D' 24C60"3' 49=7C:0.09.' .7'.20'.86F' 73'D4609.89B"49B'.246'SA06.479'357C'4.6' B508.' 8C;4BA4.406' 89D' D4334=A".406 1 43' 0?09' 89' =F20"' <4.2' 8""# 2460?4B7A5' 73' 49D86.547A6' 50# 6085=2' ;A.' 49'.20' 68C0' 6:454.' 73'C7D06.@ 49G 60:858;"0' 357C' .940' B094A6' 286' ?09.A50D' .7' D7' "4..'0' C750' 49'.246'496.89=0' .289'.7' 8DDA=0'.20' ?85@49B' 7:494796' 73'7.2056' 89D'.209' T' "08?0'.20' 508D05'.7' 60"0=.' .28.' <24=2' 8:.0856' .7' 24C' C76.' 5086798;"0hO' 9D'.27AB2' "86.' 97.' "086.' 09.4."0D' .7' =7964D058.479' 43' 83.05'.20' 8=SA450C09.6' 89D' !'0105.4796' 73'6A=2'0C4909.' 89.4SA85406'86' 85D498"' n0"8D8' 89D'7.205' .8"489' 49?06.4B8.756' 73' 8 ' =7496 1 C09' <27' 28D' 6A=2' 6A:05475' 8D?89.8B06' 375'0?7"?49B' .20'.5A.2' 357C' .20' B09A490' :40=06' ;03750' .20C 1 43' M<0' 68@N 83.05' 8""# .2060' 8DG ?89.8B06' 89D' 03375.6' 67' =7C:858.4?0"@#.543"49B' 89' 8D?89=0' 286' ;009' C8D0' 49' :58=.4=8"# F97<"0DB0' 79' 8' SA06.479' <24=2' 286' ;009' C76.' 8664DA7A6"@' 89D' 7;6.498.0"@' D46:A.0D 1 <0' C8@' <0""# ;0' 01G =A60D' 375' D<= 49B' 97' "79B05' A:79' 4.' ' .289' <24"6.' 6ACC49BEA:' .20' 8C7A9.' 73' .20' 49375C8.479' 3A5G 94620D' .7' A6' 357C' .20' 67A5=06' 8;7?0EC09.4790D# 9D' .246' =8997.' :0528:6' ;0' ;0..05' D790' .289' ;@' 2050' =79=09.58.49B' .20' 50C85F6' 73' # 09949' 79' .246' 6A;0=./1 T 20'97.4=06'B4?09';@' "49@' 79'.20'D4C49A.479' 73'.20' 89D'73' <04B2.6' 850'904.205'3500'357C' .20'308.A506'73'4C:57;8;4"4.@' 975'850'.20@'=79G 345C0D';@'.20' '3A594620D' 79'8'=7C:854679' 73'.20'<04B2.6'<4.2'.20'=7496'.20C60"?06# .'46' D4334=A"." 49D00D'.7';0"40?0'.28.' 49'67'6275.'8' 6:8=0'73'.4C0' .20' '627A"D' 28?0';009' 50DA=0D' 357C'.<0"?0'.7'W.<7'7A9=06# 20'D4330509=06' <24=2'CA6.' 28?0'50646.0D'357C'6A=2'"85B0'50G DA=.4796' <7A"D' 28?0'=8A60D'.77'B508.' 8'D06.5A=G .479' 73' :57:05.@' 0.7' 28?0'8DC4..0D' 73'6A=2' 0975C7A6'=289B06*1 9'.20' 7.205'289D':2050' 0146.' ' 75':85.6'73'.20' ' <2760'64\0'89D' <04B2.'49D4=8.0'\8 6.4""# "7<05'50DA=.479'.289'.28.' .7'.20' ' x _ '.28.' 46'.7'68@' 8'50G DA=.479'357C'.20'28"3E7A9=0'.7'.20'SA85.05E7A9=0' :' <209=0'4.'37""7<6'.28.'.20' ' <86'6A==0664?0"@' D4C494620D'.7'.20'375.@E04B2.2':85.'73'4.6'754B49' <04B2.# 9D' <28.0?05' C8@' 28?0' ;009'.2060' 6A==0664?0'50DA=.4796';20'38=.'50C8496'.28.'.2050' 0146.' ' 89D'3587"4796'73'.20' ' 73'D4430509.' <04B2.6'89D'<24=2'C8@';0'="8660D'8==75D49B'.7' .2045'506:0=.4?0'<04B2.6*OO 9'=79="A6479'8C4D6.'CA=2'.28.'46'?8BA0' =793A60D'89D'4C:57;8;"0' .2A6'CA=2'C8@';0' "77F0D'A:79'86'C8..05'73'38=.'D0?74D'8"".7B0G .205'73'D7A;.'89D'A9=05.849.@'?4*1 ,# 28.'.20 "456.'#7C89'C790@'<86'73') 1 ># 28.'.20' 3456.'A94.'73'.20'#7C89'C49.'<86'8'?8"A0'98C0D' ' <24=2'<86'"4F0<460'.20'A94.'73' <04B2.' 89D' C086A506*1 H# 28.'.20'3456.' ' C7:0@' 0146.0D'357C'.20'06.8;"462C09.'73'8'=7498B0'8.' #7C0'A9D05'05?4A6'A""4A6'.7'.20'3456.' A94=' <85*1 # 28.'34?0'@0856';03750'.28.':0547D' 98C0"@' ' ' "' ' 9$ ' 4 ' > aN' 64"?05' C790@' <86'3456.'6.5A=F'8.'#7C0*1 [# 2*E4.'8.'.246' 0:7=26'89'8".058.479'.77F' :"8=0'49'.20'C76."5086798#' A94.# 20' ' <24=2'28D';0=7C0'73'"066'89D'"066' ?8"A0' =0860D'.7'605?0'.20':A5:760'73'4CC;0549B' 6AC6'89D'.20'F ' .77F'4.6':" 0'86'42=' A94.'73'C790@*1 # 28.'.20'C7DA"0'89D'<04B2.' 89D' =7960SA09."@'.20'C0.8""4=' ?8"A0'73'.20' ' 28?49B' 01:0540 9=0D'.2060'6A==0664?0'50DA=.4796' A:'.7'.20'6058'73'.20'4C:0548""B7?059C09.'73' #7C0') ' C790@'.209' ;0=8C0'3410D'8.'8' "7<05'?8"A0' 49'.20'58.47'73'4.6'<04B2.' 89D'.246' ?8"A0' :50605?0D'8'B508.05'D0B500'73'6.08D49066' .289'4.'28D':50?47A6"@':7660660D*1 00' ' ' 0 ' ' # 4" + ^ .'286'8"508D@';009'7;605?0D'.28.'.20' '286' 375'4.6'.@:06'79'790'64D0'.20'208D'73'K89A6' =8""0D'=) $ ' 28?49B'.<7'38=06'<4.2'89'7;"79B' 64B9' :"8=0D'8.'.20'.7:'73'.20'2=4D'86'.20'D46G .49BA46249B' ' 75'C85F' 89D'79'.20'7.205' 64D0'.20':57<'73'8'624:' <4.2'8'64C4"85'97.0'75' 64B9* .'.20';0B49949B'73'.246'85.4="0'79'.20'6A;0=.' 73'.20' '46':"8=0D'89'09B58?49B'49'<77D'.7'.20' 018=.'64\0'357C'8'=86.'73'<24=2'.20'754B498""46' <4.2'7.2056'73'.20'68C0'="866'49'.20'=8;490.'73' .20' 54.462' A60AC# .'<04B26' '7\6# 'D<.6# > 'B58496'89D'C086A506'.<7'49=206'89D'8'28"3' 49'D48C0.05# 0 246'<0"" :50605?0D'89D'5850'6:0=4C09'73'4.6' =45=A"85';5866'=7498B0'46'8664B90D';@'9AC46C8.4=' 89.4SA85406'.7'8'?05@'084@'.27AB2'97.'.20'085G "406.':0547D'73'.20'#7C89'C49.# 0?05.20"066' "77F49B'.7'4.6'6.@"0'73'38;54=1 4.6'3500'D064B9 1 4.6' 24B2'89D';7"D'50"403 1 89D':85.4=A"85"@'.7'.20' 308.A506'73'.20')$ '67'D0=4D0D"@'898"7B7A6'86' .20@'850'<4.2'.20'=2858=.0546.4=6'73' .5A6=89'85.' 4.'600C6'6=85=0"@' :7664;"0'.7'8?74D'8667=48.49B' .246'97;"0'50"4=' 73'89.4SA4.@'<4.2'89'8B0'73'C7E' 90.8"' <75FC89624:'89.0547'5'.7'.28.'73'#7C0# A.'.209'.2050'46'.20'38=.'.7'09=7A9.05':28.' 0?09'.246'=86.':40=0'73'57A9D0D':7=:05'357C'.20' D40E649F05L6'C8.54I' <4.2'8"" 4.6';508D.2'.24=FG 9066'89D'<04B"4.'46'4.60"3'89'496.89=0'73'B508.' D4C49A.479'357C'.20'754B498" ' <24=2'357C'8' :7A9D'73',>'7A9=06'B58DA8""@'D<49D"0D'D7<9' .7'.20'<04B2.'73'285D"@'28"3'89'7A9=0',7'A9E

;@' .20' 89=409.6 ' .7' 790' 73' .20' .2500' : 85.6' 73' .20' <75"D' F97<9' .7' .20C ' 89D' <24=2' 0SA8""0D ' 43' 97.' 0I=00D0D' 49' 0I.09. ' .20' 7.205' .<7# ==75DG 49B' .7' .20' 7"D' B07B58 : 2056 ' 4.' <86' D4?4D0D' 357C' A57 : 0' 79' .20' <06. ' ;@' .20' 54?05' 89846' M75' 79N' 89D' ;@' .20' AI490' 89D' B089' 6086# 57C' 354=8 ' 4.6' "490' 73' D0C85=8.479' <86' .20' 4"0 ' 80=75D49B' .7' "49@/' .20' 58 ; 489' &A" : 2' 8==75D49B' .7' .7"0C@# ==A : @49B' .20' C76.' 305.4"0' 89D' D0"4047A6' SA85.05' 73' .20' 28 ; 4.8 ; "0' B"7 ; 0 ' 4.6' 4928 ; 4.89.6' 28?0' 0?05' 2809' 97.0D' 375' .2045' 49D7"09.' 28 ; 4.6 ' .2045" "AIA54G 7A6' .86.06 ' .28.' T' 375' .20' : 57DA=.4?090*66' 73'4.6' 674*' .20' ?8540.@' 73' 4.6' 35A4.6 ' .20' <4D0' 0I.09. ' 73' 4.6' : 86.A58B06 ' 89D' .20' CA".4.ADO' 73' 4.6' 0I : 75.6 ' 4.' ?86."@' 0I=00D6' 8"" 7.2056*U 1 .' <86' 357C' 648 ' M ; 7.2' 7 ' 89D' % .28.' "AIA5@ ' .257AB2' .20' C0D4AC' 73' .20' 85C406' 73' .20' 50 : A ; "4=' 49G .57DA=0D' 4.60"3' 49.7' #7C0 ' <2050' 4.' 0I05=460D' 8' 38.8" 493"A09=0' 79' .20' C758"6' 73' .20' : 07 : "0 ' 86' 4.' 28D' D790' 79' .20' D46=4 : "490' 73' .20' 67"D4056* 1 ' 9' .20' @085' *=# a ' 9.47=2A6 ' F49B' 73' @548 ' D0="850D' <85' 8B8496.' .20' #7C896 ' <27' 609.' 8B8496.' 24C' .20' =796A" &"82547 ' ;@' <27C' 20' <86' ?89SA4620D ' 9085' 205C7 : @"80 ' 89D' D54?09' 357C' &500=0" 20' 37""7<49B' @085 ' .20' =796A" # =4 : 47 ' ; 57.205' 73' =4 : 47' 354=89A6 ' 8"67' D0308.0D' .20' 68C0' C7985=2' 8.' .20' ; 8.. "0' 73' 8B90648* 1 ' 246' ?4=.75@' : A.' 89' 09D' .7' .20' <85 ' 89D' =4 : 47' 09 7@0D' .20' 2797A56' 73' 8' .54AC : 2' 375' 9.47=2A6' 89D' 375' 648# A.' : 08=0' <86' 97.' 58.4340D' <4.2' 9.47=2A6' .4#' .20' @085' # =# , * 1 3.05' .20' D08.2' 73' ' 49B' AC0906 ' 246' 679' 7 ; .8490D' T' 357C' .20' K 73' .20' #7C89' 098.0 U' .20' .2579D' 73' @548 ' 89D' .28.' : 549=0' D@49B' # A*=# >,' 9s ' =# ,HHN ' 8 : : 749.0D' .20' #7C89' : 07 : "0' 246' 20456# A.' 96.794=A6 ' 98.A58" 679' 73' AC0906 ' 6275."@' 83.05<85D6' 49?8D0D' .2760' 648.4=' : 57G ?49=06' <24=2' 20' ="84C0D' 86' 246' : 8.54C79@ ' 89D' 7?05=8C0' .20' =796A" 58 6A6' A=489A6 ' <27C' 20' C8D0' : 5467905 ' 89D' : A.' .7' D08.2 ' # =# ,H # 546.794=A6 ' 27<0?05 ' <86' 49' 246' .A59' D0308.0D' 89D' =8 : .A50D' ;@' .20' =796A" 05 : 0998 ' <2760' 6A==06675' .20' =796A" SA4""4A6 ' ;@' 7?05=7C49B' 89D' 6"8@49B' 546.794=A6 ' .05C498.0D' .20' 60=79D' 648.4=' <85" 9D' .2A6' <86' .20' 06605' 648' ; 57AB2.' 49.7' 6A ; 0=.479' .7' #7C0 ' 89D' B7?0590D' ;@' : 57E=796A"6# 3' 4.6' 54=206 ' 49' A""8L6' .4C0 ' 67C0' 4D08' C8@' ; 0' 375C0D' 357C' .20' .8I ' 73' > .8"09.6 ' <24=2' 20' 4C : 760D' 79' 4.# 85F' 9.79@ ' 49' 790' @085' 73' 246' B7?059C09.' .2050 ' 46' 684D' .7' 27?0' 8=SA450D' 89' 0SA8# 6AC*

' 46' 6@C ; 7"460D' 79' #7C89' =7496' ;@' .20' 605 : 09. ' M600' .20' + ' 73' # 9.79496N' 8"67' ;@' .20' 624 : L6' : 57<' 89D' 5ADD05 1 .20' "8..05' T .7' 620<' M68@6' K7 ; 05.N' .28.' 4.' 46' 8' =7A9.5@' <24=2' =8997.' ;0' 85G 54?0D' 8.' 357C' #7C0' <4.27A.' B749B' ;@' 608U 1 89' 7DD'508679' 1 T'=A547A6' 43' .5A0*U 1 =F20" 8""AD06' .7' <4.27A.' D46=7A9.0G 989=49B ' .20' 509=2' K06A4.L6' =79 0=.A50 ' ; A.' 8.' .20' 68C0' .4C0' 8664B96' 897.205' 508679

C750' B05C890' .7' : 57 ; 8 ; 4"4.@ ' ?4* ' .28.' .20' 4CG : 0548" =7496 ' <2760' "0B09D6' 50305' .7' ' B4?0' .7' 205' : 05679434=8.479' C854.4C0' 8..54 ; A.06 ' ;0=8A60' C89@' 73' 205' : 57?49=06' 850' 64.A8.0D' 79' .20' 608' =786.** 1 20' : 50=0D49B' 09B58?49B' 46' 357C' 8' 5850' D09854A6' 73' 8D5489 ' ; 08549B' ' 375' 4.6' 67"0' "0B09D' 73' 50?0560' / .20' .@ : 0' 46' .28.' 73' 8' <7C89' ="7.20D' 49' .20' .A94=' 6.89D49B' <4.2' 205' 54B2.' 377.' 79' .20' : 57<' 73' 8' 624 : ' 27"D49B' 49' 205' 54B2.' 289D' 8' B85"89D ' 89D' 49' 205' "03.' 8' 5ADD05' 50?0560D" @' .20' <75D' 648' .2A6' 496=54 ; 0D ' 46' .7' ;0' A9D056.77D ' 97.' .28.' B508.' B07B58 : 2 08" D4?4G 6479' 73' .20' <75"D ' <2760' B09058" 0I.09.' 286' 8"508D@' ; 009' 97.4=0D ' ; A.' 57=796A"85' 648 ' .257AB2' <24=2' .20' C : 0548" .58?0""05' C8D0' 246' .7A5 ' 8' <0"" 06.8 ; "4620D' 38=. ' <2=2' .28.' : 549=0' =8A60D' .7' ;0' 50=75D0D ' 97.' 79"@' 79' .246' 64"?05' =749 ' ; A.' 8"67' 79' .<7' 3456.' ; 5866 ' ?4\# ı' 1< ' z' 6" =" .27' C 40575' .7B8.0D ' 89D' 8' <7C89' 68=5434=49B ' 89D' $ ı $ı' ı ' 6" =" <4.2' .@ : 0' 73' .20' C : 0575' 584*649B' 8' 30C8"0' 34BA50' <4.2' 58D48.0D' 208D ' 27"D49B' 8' 6=0 : .50' 49' 205' "03.' 289D* 1 9' 897.205' =749' M60=79D' ; 5866N' <4.2' 68C0' "0B09D ' 8' <7C89 ' <4.2' ; 09D0D' F900 ' ; 0856' 8' 5ADD05' 7?05' 205' 627A"D05 ' 89D' 46' 58460D' ;@' .20' 0C : 0575 ' <27' 6.89D6' ="7.20D' 49' .20' .7B8" 7.2' .20' 3456.' ; 5866' 85=' 09B58?0D' 49' 8?05E =8C : L6' = ' ' ' : 85.489' 49375C6' A6 ' .28.' <24"0' 7A590@49B' .257AB2' .246' 50B479 ' 8D5489' 050=.0D' .0C : "06' 49' 246' 7<9' 98C0" 9D' =4.406' 8"67' 850' C09.4790D' <24=2' <050' 67' CA=2' 09"85B0D' ;@' 24C ' .28.' .2045' 4928 ; 4.89.6' 2064.8.0D' 97.' .7' : 57="84C' 24C' .2045' 60=79D' 37A9D05' 89D' .7' 8 : : 57 : 548.0' 246' 98C0" C79B6.' .2060' <050' @\4=A6 ' C@598 ' .58E' .794=8' 49' 8548 ' 89D' C89@' 7.2056" (28.' ?86.' 6AC6' 73' C790@' 20' 0I : 09D0D' 79' .20' 0C ; 0""462G C09.' 73' C@598' 8"790 ' C8@' ;0' B8.2050D' 357C' 24"76.58.A6" 20' 609OX06' =7930550D' ;@' 24C' A : 79' @\4=A6 ' <2050' 8' C8B9434=09.' .0C : "0' <86' 050=.0D' .7' 246' 2797A5 ' 89D' B8C06' 496.4.A.0D ' 850' 49D4=8.0D' 49' .20' =7498B0' 73' .28.' =4.@ ' <2760' 49G 28 ; 4.89.6' 6.@"0D' 24C' .20' ' B7D* 1 00' =F20" ' ?4" a>*

' EEEE 20' 50B479' 67' 98C0D' =7CG : 5460D' .20' : 57?49=06' ; 0.<009' .20' 9I490' 89D' 0D4.05589089' 6086 ' =7960SA09."@' 4.' 49="AD0D' 4.2@948 ' 8 : 2"8B7948 ' 79.A6 ' &8"8.48 ' @648' M600' 5786N ' @D48 ' 8548 ') 7"48 ' 7948 ' @=48 ' 8C : 24"48 ' 29.A@B48 ' 8 : : 8D7=48 ' 4"=48 ' 89D' @=87948* 1 T 20' =7A9.5@' M7 ; 605?06' .20' "8.0' 4627 : ' A."05' 49' 246' 8DC458 ; "0' 6F0.=2' 73' 9=409.' 89D' 7D0C' &07B58 : 2@N' <24=2' <0' =8""' 648' 4975' M8' .05C' 97.' 49' A60' 8C79B' .20' 89=409.6 ' <27' =8""0D' 4.' 64C : "@' 648N' 46' 97<' =8""0D' 98.7"48 ' 75' 58.205' ' 357C' P3 E ' .20' 86.*U

' # * 1 =.75@' <4.2' 0I : 89D0D' <49B6' 89D' 27"D49B' 8' =57<9 ' 6.89D6' 79' 8' =@"49G D54=8" ; 86F0.' ; 0.<009' .<7' 605 : 09.6* 1 9' 8' SA498E' 54A6' 73' ABA6.A6' M73' <24=2' .20' 6A ; 7490D' =A.' 46

D8AB2.05' 73 B54: : 8# "40 .77F' 205' .7 ' <430 ' 89D' ;@' .28.' C85548B0' ;0=8C0' .20' 38.205' 73 8' 9AC05G 7A6' :57B09@# 20' 98C0' 73' # ' 8: : 0856' 79' 8' D09854A6' :A; "4620D' 49' 750"L6 ' 89D' 49' 84""89.L6' # ' 6 ' 86' 37""7<6/ 1

1) 1 # #8D48.0D' 208D' 73' :7 7*

6 1 =# 4 4# =# # # k ' ' ' '

! % 506=09.' C779' 89D' 60?09' 6.856*

75' .20' 8 ; 7?0' .@ : 06' 600' ' B096*

..4=498' (948' 46=460*EEEE 749 6.5A=F' 49' .20' 3456.' C49.E7 4=0' 8.' F ' 49' 8997948*

#& ' 75' 86' 7.205<460' =8""0D' + ' 8' 6 : 549F"05' 75' 27"@E<8305' 6.4=F' 28?49B' 09D6' 73' "79B' 27560E2845 ' <24=2' .20' #7G C896' C8D0' A60' 73' .7' ; 06 : 549F"0' .2760' <27' 86G 646.0D' 8.' .20' 68=5434=06' 89D' 8"67' .7' .257<' .20' "A6.58"# <8.05' 7?05' .20' 8".85' 89D' .20' ?4=.4C6* 1 ' 00' # $ '

* 1 246' 46' <89.49B' 49' .20' 75.27G B58 : 2@' 73' .20' C750' 89=409.' #7C89' =7496# =G =75D49B"@ ' <0' 349D' <54..09' <4.27A.' .20' 86 : 458.0' " %' .20' 98C06' =4 7* / &$ " " / #!0!## / *EEE # *EEE *EEE375' 24"7 &58==2A6' 2 4 : : A6 ' 8C : 24"A6 ' 54AC : 2A6' L 68696* 1E 00' #86=20L6

#* 1 00' ;

* 1 ==.4=40' =7"7948' M "46 : 8948N ' 3 ' ' 64.A8.0D' 79' .20' 54?05' 8D46 ' 7 : : 764.0' &8D=6' M 8D4\ ' 49' 9D8"A648N# .6' =7496' 850') 0 ' 89D' ' 8A.79749=6 ' 49' 3456.' 89D' 60=79D' ;5866# 20' 375C05' 0I24;4.' 79' .2045' 7 ; ?0560' ' 89D' .20' ; 850' 208D' 73' 8' C89 ' 79' .2045' 50G ?0560' 8' 0".4 ; 05489' 496=54 : .479' 89D' 8' <49B0D' 6 : 249I * 1 20' "8..05' 28?0' 375' 7 ; ?0560' ' # #!0 0 !' ' :# 8A508.0D' 208D' 73' :7 7* 1 #0?0560 ' :# # # # # ' ; A ' 6.89D49B* 1 00' 5# F05C89L6' T' ' ' $' ' N =# : # >>*

E E=8""0D' 49' =54 : .A50' T 62.857.2U' 1 <86' .20' 38?7A54.0' B7DD066' 73' .20' 4D794896' E4896 ' 24"46.4906 ' 89D' @57E 2.094=4896' B090G 58""@# 20' 8 : : 0856' .7' 28?0' ; 009' 4D09.4=8"# <4.2' .20' &500F + ' 89D' .20' #7C89' ' 4 ' ; 049B# ; 0"40?0D' ; @' .20' 89=409.6' .7' ; 0' .20' B7DD066' 73' B09058.479 ' 86' <0 ' 86' 73' ; 08A.@# 1 @' 4".79 ' 49' 246' 858D460' #0B8490D ' 8' : "8=0' 46' 8664B90D' .7' 205' 8C79B' .20' 38""09' 89B0"6'

EEEE ' Y W (4.2' .2060' 49' .577 :

8C0' 6.750.2 ' <27C' .20' 27094=4896' =8 0D ' SA009' 73' 08?09 ' <4.2' =506=09.' 27596 7' <2760' ; 54B2.' 4C8B0' 94B2."@ ' ; @' .20' C779 4D79489' ?45B496' : 84D' .2045' ?7<6' 89D' 679B6*

C79B' .20' 4C : 0548#' =7"7940 6' 49' .20' 086.' .20' =4.406' 73' 04@.A6 ' 76.58 ' 4D79 ' 89D' @50 ' 850' .2760' 49' <24=2' ' <86' =2403"@' <7562 4 : : 0D' ' 89D' 79' .20' 506 : 0=.4?0' =7496' 73' <24=2' 620' 8 : : 0856*

A9D05' .20' 4C8B0' 73' 8' @7A9B' <7C89 ' <08549B' 8' .A.A"8.0D ' 75' .A3.E"4F0 ' 208D' D5066 ' 89D' ="7.20D' 49' 8' .A94= ' 24B2' 49' .20' 90=F 1 67C0.4C06' M86' 49' .20' 89901 0D' 09B58?49B' 357C' 8' @5489' =749N ' 97.' 508=249B' "7<05' .289' .20' F9006 ' 67C0.4C06' <4.2' 8' "79B05' D5066 ' ; A.' <4.2' .20' 54B2.' F900' 0IG : 760D ' 89D' .20' 377.' : "89.0D' 79' 8' 624 : L6' : 57<*

246' 7 ; 0=.' 73' B4#766' 4D7"8.5@' 28D' 8' 3490' .0C : "0' 8.' 76.58 ' 89D' 79' 8' "85B0' 25866 ' 6.5A=F' .2050' 89D' D0D4=8.0D' .7' KA"48' 8CC8 ' .20' 4D7"' 86' 8 ; 7?0' D06=54 ; 0D ' 6.89D6' <4.249' 8' : 75.4=7' 73' 641' =7"AC96 ' 27"D49B' 8' =5A=4375C' 6.833' 49' .20' 54B2.' 289D ' 89D' 8' =7CA=7 : 460' 49' .20' "03.* 1 ' 3' 05@.A6' 8"67' 620' <86' 8' B508.' .A.0"85@' B7DG D066 ' 375' <24=2' 508679' 79AA6' =8 6' .28.' =4.@' T' .20' 28 ; 4.8.479' 73' 09A6*U 1 20' A496' 8"67' : 84D' 6A : 50C0' 8D758.479' .7' 6.85.0 ' 89D' .2045' =4.@' =79.8490D' 8' 6A : 05 ; ' .0C : "0' 050=.0D' .7' 205' 2797A5# 20' 38=.' .28.' .246' D04.@' <86' .20' 09A6' 73' .20' @54896' 46' =7557 ; 758.0D' ; @' .28.' : 8668B0' 73' 4=057' M"4 ; # 444# ; ' ' ' ; % 49' <24=2' 20' 83345C6 ' .28.' .20' B7DD066 ' <27C' .20' L54896' <75624 : : 0D' A9D05' .20' 98C0' 73' 6.85.0 ' <86' .20' @5489' 09A6 ' <27' <86' 684D' .7' 28?0' ; 009' C85G 540D' .7' D7946* 1 K760 : 2A6' 50=75D6' .20' ; A4"D49B' 73' 8' C8B9434=09.' .0C : "0' ; @' 458C ' ' 49B' 73' @50 ' 49' 2797A5' 73' 62.857.2' M 6.85.0N# 749=4D09.' <4.2' <24=2 ' <0' 349D' 8' 60=79D' ; 5866' 73' "8B8#' ; 8"A6 ' 0I24 ; 4.49B' .20' B7DD066 ' <4.2' 205' A6A8 ' 8..54 ; A.06 ' 6.89D49B' <4.249' 8' .0C : "0* 1 6' .20' =2403"7=8# D04.@' 73' $ ' 620' 67C0.4C06' 8 : : 0856' 79' #7C89' =7496' 73' .28.' =7"79@ ' 6.89D49B' .7B0G .205' <4.2' .20' 34BA50' 73' ' &7DD066' 73' 4"09=0* 1 20' 4D794896 ' "4F0' .2045' L @5489' 904B2E' 27A56' 89D' 54?8"6 ' <050' ; "49D' ?7.8540G' .7' .246' T' 8 ; 7C498.479U' 73' 66@548 ' 89D' .2045' =4.@' 8"67' 28D' 8' 3490' .0C : "0' 73' 6.85.0* 1 C79B6.' .20' 9AC057A6' C790.8# D0D4=8.4796' C8D0' ; @' .20' #7G C89' =7"7946.6' 8.' 4D79 O' .7' "8B8 ; 8"A6' 89D' .20' 30C8"0' C0C ; 056' 73' 246' 38C4"@ ' 850' 3456.' 89D' 60=79D' 25866' =7496 ' <24=2' 0I24 ; 4.' .20' 0334B@' 73' ' 6.89D49B' M600' .20' 8990I0D' <77D=A.N' <4.2' 205' 54B2.' 289D' : "8=0D' 79' 8' .57 : 2@ ' <24"6.' 620' =855406' 49' 205' "03.' .20' ' =5766<460# .' 205' "03.' 289D' 8'34BA50' 73' 4=.75@ ' : "8=0D' 79' 8' =7"AC9 ' : 50609.6' .7' 205' 8' =57<9# .' 205' "03.' 377.' 46' .20' 3 ' 75' 620 ' 3462 ' 357C' <2760' ; "77D' .20' 38C7A6' : A5 : "0' <86' 684D' .7' 28?0' ; 009' C8D0# 20' : 8"C' .500' 46' 8' 6@C ; 7# =7CC79' .7' 2 == 94=48' 89D' 8"06.490# 246' 50?0560' 46' 50 : 08.0D' 79' 7.205' =7"7948# C0D8"6' 73' @50' 89D' 73' 4D79 ' <4.2' .20' 8DD4.479' 73' 50 : 50609.49B' .20' 4D7"# <4.249' 4.6' .0C : "0*

9' 84 89.L6' ' ' 850' B4?09' 8' =749' 73' 0 : E' .4C4A6' 0?05A6 ' 89D' 897.205' 73' 48DC909489A6 ' .20' 375C05' ; 08549B' .20' 37""7<49B' "0B09D' 89D' .@ : 0' 79' .20' 50?0560 ' ?4\# " 0 ' 0I ' ' #! ' M06.8 ; "4620D' ; @' 8D5489' 79' .20' 5A496' 73' - 0 - 1 9' .246' 50?0560' ' 75' 09A6 ' 27"D6 ' 49' 790' 289D ' .20' 208D' 73' 058 : 46 ' 89D' 49' .20' 7.205' .20' .' 205' 54B2.' 377.' ; 049B' : "8=0D' 79' .20' =57A=249B' 34BA50' 73' 8' 54?05EB7D# 9' .20' =749' D0D4=8.0D' .7' .20' @7A.23A# 679' 73' 8=549446' .<7' <49B0D' 4=.75406' 850' 8DD0D ' 6.89DG 49B' 8.' 205' 300.' 79' 08=2' 64D0* 1 20' 68C0' "08590D' <54.05 ' 49' D06=54 ; 49B' .20' <0""EF97<9' .@ : 0' <24=2' 8==7C : 89406' ' ' ' ' ' 79' 8

a> # *) *

D09854A6' 73'.20' C : 0575' 0?05A6 ' 68@6' 73' '3 ' ' 1 T 246' B7DD066' 46' .20' 6.85.0' 73' 85.28B0*LO1 0= ' ' + 1 ' * 1 * 3 1 F ' 89D' 3 ' 49' .2045' 506 : 0 = .4?0' : "8=06* '46' 8"67' .@ : 4340D' 79' C89@' &500F' = 7496' 73' =4.406' 89D' : 07 : "0' 4F0<460' 79' 67C0' 4 ?' C : 0548" ' 6.5A=F' A9D05' 858=8""8 ' &0.8 ' "8B8E' ; 8"A6 ' "0I89D05' 0?05A6 ' &?5D489A6' 4A6 ' =* # * 1 .856 ' 04.205' 8"790 ' 75' < 4.2' 7.205' 64B96' 8DD0D' .7' .20C ' 850' 0I24 ; 4.0D' 79' C89@' 38C4"@' 89D' = 796A"85' = 7496* 1 9' 8' D09854A6' 73'.20' 64948' B096 ' .20' 58D48.0D' 208D' 73' : 7""7 M6@C ; 7"4649B' .20' A9N' 8 : : 0856' 79' 790' 64D0 ' 89D' 8' =506=09.' C779 ' 6A557A9D0D' ; @' 60?09' 6.856 ' 79' .20' 7.205* 1 .856' 8 : : 085' 7?05' .20' =8 : 6' 73' .20' . ' <27C' 38 ; "0' 286' : "8=0D' 8C79B6.' .20' 208?09"@' 276. (' '89D' # ' <050 ' 79' .246' 8== 7A9. ' <75624 : : 0D' ; @' 98?4B8G .756* 1 9' 8' D09854A6' 73'.20' 6 ' 38C4"@' 8' 6.85' 46' : A.' ; 03750' .20' 208D' 73' 856 ' ; 0=8A60' .20' @085' <86' 50=F790D' .7' ; 0B49' < 4.2' .20' C79.2' ' M 85=2N' < 24=2' .8F06' 4.6' 98C0' 357C' .28.' B7D* 1 ' .856' 8 ; 7?0' 8' =A5A"0' =2845 ' 49D4=8.49B' .20' D4?4G 94.@' 73' KA"4A6' 80685 ' 8 : : 085' 79' 8' 64"?05' = 749' 73' .20' ' 38C4"@' * 1 20' $ ' 75' 6.85' < 4.2' T' .84"' 73' .450 U' 79' .20' 50?0560' 73' B7"D' 89D' 64"?05 ' 6.5A=F' A9D05' ABA6.A6 ' 49' C0C75@' 73' KA"4A6' 80685 ' 46' 50B85D0D' 86' 8""A64?0' .7' .20' B508.' = 7C0. ' < 24=2 ' 8 : 0N0849B' 6779' 83.05' .20' 4=.8G .75L6' D08.2 ' < 86' "77F0D' 79' ; @' .20' = 7CC79' : 07G : "0' 86' D097.49B' 246' 4CC75.8"4.@ ' 89D' .5896"8.479' .7' .20' 6F406* 1 3' .246' : 7 : A"85' = 50DA"4.@' ABA6.A6' 8?84"0D' 24C60"3' .7' 2797A5' 246' A9="0' < 4.2' D04.408E' .479* 1 M 00' ' *N 1 '6.85' 46' 67C0.4C06' : "8=0D' 79' = 7496 ' 8 ; 7?0' 75' 9085' .20' 208D' 73' KA"4A6' 60685 ' T' < 24=2' M68@6 =F2=" ' ?4#' , , N ' : 0528 : 6' 49D4=8.06' .20' 6.85' 73' 09A6 ' C7.205' 73' 4 A=86 75C750' "4F0"@' .20' @085' < 209' .20' =8"09D85' < 86' ; 57AB2. ' < 4.2' B508.05' 0I8=.9066 ' .7' .20' = 7A560' 73' .20' A9# 20' "4BA50' 73' .20' =506=09.' C779 ' 8"67' 6009' 9085' .20' : 75.584.' 73' .20' 68C0' 0C : 0575 ' 46' 73' A9=05.849' 64B94.4=8.479 ' A9"066 ' "4F0<460' 286' 5030509=0' .7' .20' =7550=.0D' @085*U' M?4# , a*N 1 ' 6.85' 46' 37A9D' 79' C89@' = 7496 ' 73' "8B8 ; 8"A6 ' ; 7.2' .2760' 6.5A=F' 8.' #7C0' 89D' .2760' 73' = 7"7948" 38 ; 54=#' 246' 6@C ; 7"# 286' 5030509=0' .7' .20' A9 ' 49' < 2760' @5489' < 75624 : ' 89D' : 5406.277D' 20' < 86' 494.48.0D' ; 03750' 246' ; 8903A"# 8==06647' 9' .7' .20' 0C : 450*E ' 6.85' 7?05' 8' 624 : L6' : 57 <' 8 : : 0856' 79' .20' 50?0560' 73' 8' D09854A6' 73' 06 : 86489 ' < 4.2' "0B09D' 73' = 76# ?444# 89D' .20' 68C0' 34BA50' 7==A56' 79' 67C0' = 749' 75' 7.205 ' .257AB27A.' .20' B508.05' : 85.' 73' .20' 4C' : 0548"# 605406* <7' 6.856 ' A9D05' < 24=2' A : 4D' 64.6' ; 06.54D49B' 8' D7" : 249 ' < 4.2' .20' 496=54 : .479' 6# : #%# $ ' 8 : 4N085' 79' 8' 5850' 64"?05' = 749' 73' ABA6.A6# 0BA49' A9G D056.89D6' 4.' .7' C089 ' 79' 790' 64D0' .20' 6.85' 73' 09A6 ' 7A' .20' 7.205' .20' 6.85' 73' KA"4A6 ' 86' 49D4G =8.49B' .20' 866AC0D' 38C4"@' 754B49' 73' .20' 3456.' 80685* 1 00' ' 4# , [# 4 # & ' 89D' # ' 6@C ; 7"6' 850' 37A9D' 79' #7C89' = 7496 ' 86' 49' .20' 8 : 54=759 ' D7A ; "0' 89D' 649B"0 ' 73' ABA6.A6' 89D' 73' 06 : 86489 ' .20' = 506=09.' C779' 89D' 60?09' 6.856' 73' 8D5489' 89D' 73' 8A6.498* 1 20' &500F' 4C : 0548"# 605406' 8"67' : 50609.' 60?058"# 3490' C0D8"6 ' < 24=2 28?0' 375' .2045' 50?0560' .@ : 06' .20' .<0""?0' 64B96' 73' .20' n7D48=* 1 00' ' + "" ' 8' : 07 : "0' 73' : 849 ' 6A ; DA0D' ; @' #' 85464A6 ' : 57E : 5 r .75' A9D05' ABA6.A6#' 2045 ' = 8 : 4.8"# < 86' 6.A54=8 ' 97 <' 3 ' 49' .20' F49BG D7C' 73' 079* 1 00' F05C89L6' ' ' $' ' ' =#' : #' [* # * 1 84""89.' k ' ' '4 ' : #' , N' B4?06' 8' 60=79D' ; 5866' = 749' < 4.2' .20' 7 ; ?0560' "0B09D' 73' ' 4?4' : #' "4D' ; 850' 208D' 73' ABA6.A6 ' 89D' < 24=2' : 50609.6' 79' 4.6' 50?0560' 8' =7"794 .' : "7AB249B' < 4.2' .<7' 7I09 ' < 4.2' .20' "0B09D' = 7 #' #' & ' <24=2' 20' 509D056' ' 0 ' 3 ' 75' = 7"79@' 73'.20' 6.A5=6 ' 8' .0554G .75@' 73' 46 : 8948' 8958=7A09646* 1 = F20"' 27<G 0?05' 50=7B94606' 49'.20' 8 ; ; 50?48.479' ' .20' 98C0' 73' 97' = 7"79@ ' ; A.' 6.8' 73' * q 1 9D' 47990.' M6#' #' HN' 68@6 ' T = 0..0' CtD84""0' : 0A.' 8A664' ; 409' 8 : : 85.0945' c' ' 7A' + ' 7A' ' ' ' '* q 0 # # ' .20' B589D679' 73' 207D754E' ' 86=09D0D' .20' .25790' 73' .20' &7.26 ' 49' .8"@ ' 79' .20' D=4.2' 73' 246' B589D38.205 ' $ ' [> # 0' D4D0D' * # [H # 0' 46' 6.@"0D' 79' = 7496' M<24=2' 850' 5850N' ' ' 0 * ! " ' 75' 0 $! " ' [8"67' #' # ' # +#' 9' 6 ?=5 SA498544' 73' KA6.49A6' 89D' KA6.49489A6 ' 0C : 05756' 73' .20' 086. ' 246' 98C0' 8 : : 0856' 37""7<0D' ; @' .28.' 73' * 6 ' 75' * ! 6 ' 1 F05C89 ' . ' ' ' 44#' Ha * 89DA54' M?7""#' 44#' : #' H N' B4?06' 8' .245D' ; 5866 ' < 4.2' 4 ?4= ' # ' 89D' .20' B8"08.0D' 208D' 73' 8' < 7C89' 7A' .20' 7 ; ?0560 ' 89D' 79' .20' 50?0560' ' ' 41 1 <4.2' .20' .@ : 0' 73' .28.' : 549=0 ' 6.89D49B ' 20"C0.0D' 89D' 48"AD8.0D ' 38=0' .7' .20' "03.' 246' 54B2.' 289D' 4?6.49B' 7A' 8' 6 : 085 ' 89D' 246' "03.' 79' 8' 624 0"D' : "8=0D' 79' .20' B57A9D# 9' .20' 340"D' 6#' =# ' +* # ' *EEEE 00 *) * 1 .2096 ' .20' C76.' =0"0 ; 58.0D' =4.@' 73' &500=0 ' 64.A8.0' 49' .28.' : 85.' 73' =2848 ' =8""0D' ..4=8* 1 2050' 46' 8' .0.58D58=2C' 496=54 ; 0D' =76#' #' < 4.2' .20' 34BA50' 73' 4905?8' 6.89D49B' ' < 4.2' 50B85D' .7' < 24=2' 84""89.' M 5#' 44#' , N' 46' 73' 7 : 49479 ' .28.' .20' .2094896' 6.5A=F' .246' = 749 ' 49' C0C75@' 73' .20' ; 09034.6' < 24=2' 8D5489' 28D' "4 ; 058""@' ; 06.7<0D' 79' .2045' =4.@ ' 49' < 24=2 ' 8=G =75D49B' .7' : 85.489A6 ' 20' : 8660D' .20' < 49.05' 73' .20' @085' 73' #7C0' [' 9$ ' " ' , >>N*) * 1 246' 8 : : 0""8.479' < 86' B4?09' .7' .2760 ' < 27' = 79.09D0D' 375' .20' : 54\06' 8.' : A ; "4=' B8C06#' 9D' A9D05' .246' 98C0 ' 8C79B' .20' &500F6 ' < 050' = 7C : 5460D' .20' : 573066756' 73' 34?0' D4340509.' F49D6' 73' B@C986.4=6 ' 75' ; 7D4"@' 0I05=4606 ' ?4\#' .2760' 73' .20' 58=0 ' 89D' 73' .20' ' "08 : 49B' < 506."49B ' 89D' : AB4"46C* 1 20' #7C896 ' < 27' .77F' .20' &50=489' C7D0"# B09058""@' 86' .20' 7 ; 0=.' 73' .2045' 4C4.8.479 ' 8 : : 57 : 548.0D' .20' 98C0' 73' ' 8"C76.' 0I = "A64?0"@' .7' < 506."056 ' 89D' .7' .2760' < 27' 37AB2.' < 4.2' .2045' 346.6 ' / < 24"6.' .2760' < 27' : 58=.460D' 7.205' 308.6' 73' 6.509B.2' 89D' 8=.4G ?4.@' 28D' D46.49=.' 89D' : 0=A"485' 8 : : 0""8.4796* : 89204C ' 49' 4""A6.58.49B' 246' .5896"8.479' 73' .20' r 6856' 73' KA"489' M : #' , >N ' B4?06' .20' 34BA506' 73' .<7' 98F0D' <506."056 ' 75' ' 27"D49B' 08=2' 7.205' ; @' .20' 85C6 ' 86' 49' .20' 8=.' 73' T' .5@49B' 8' 38""U' 20@' 375C' .20' .@ : 0' 73' 8' = 749

6.5A=F' 8.' 87D4=608 ' 49' @548 ' A9D05' &858=8""8 ' 743' ."40' 7==86479' 73' 67C0' :A;"4=' B8C06' =0"0;58.0D' 49' .28.' =4.@ ' <4.2' .20' "0B09D' o ! " ' 8' 7C89' =7"79@ ' 89D' <24=2 ' 79' 897.205' 5850' =749' D0D4=8.0D' .7' .20' 68C0' 0C:0575 ' 0124;4.6 ' 49' 8;;50?48.479 ' 8""' 4.6' .4."06 ' ?4\' 7148' E' 44C48' 50h48' 44F08' #7KR7hJ6* 1 8 E "89.' 3A5946206' 8' 64C4"85' 50?0560' 73' "8B8;8"A6' 20' 68C0' 8A.275' M49' 74' ?7"' 44' :' , [N' C8F06' .20' .<7' 37""7<49B' 5030509=060'.7' .20' =79.06.6' 73' .2D' /1 9' .20' 50?0560' 73' 89' ! ' =7"79@' 73' 4D79 ' " * ' " ' # * ' !7 ' ' F ' # ' 1 ' ' <4.249' 8' "8A50" =57<9' 1 9' .20' 50?0560' 73' 8' =7"7948" =749 ' 6.5A=F' 8.' @50' 9" o ' 5 * ' * # A A9D05' 50;79489A6' &8""A6 ' 850' .<7' 98F0D' ' 6.89D49B' <4.2' 8' ?860' ;0.<009' .20 C ' 08=2' 27"D49B' 49' 246' 289D6' 8' ' 7A.' 73' <24=2' 466A06' 8' :8"C' ;589=2' M 84""8A. ' ' ' 44' >, N 1 00' o! # o! ' 89D' ' 89D' 5 * ' " ' % ' 00' 8"67' " ' 4 (' 24' 2 '89D' ' ' 4 1 9' =79G 90=.479' <4.2' .246' 6A; 0=. '5030509=0' C8@' ;0' C8D0' .7' ' ' 1 8' 50:50609.8.479' 73' <24=2' 46' B4?09' 79' 8' ;5866' C0D8""479' 73' &75D489A6' 4A6 ' 49' <24=2' <506."056' 89D' 7.205' ' 8:::085' 49' .20' 3750B57A9D* ' B096' :"0;048EEEE <24=2' <54.056' 28?0 D4?4D0D' 49.7' .<7' 38C4"406 ' <2760' 506:0=.4?0' 6A5G 98C06 ' 86' .20@' 8:::085' 79' =7496 ' <050' *) ' 89D') ' 20' ' 75' ' .8F0' .2045' 38;A"7A6' 754B49' 357C' .20' 57 89' .@6/ 45B4" 68@6 ".05' .@6 ' B09A6' A9D0' ..' D4I[50' 8.494* 0528:6 ' 68@6' 4.46=A6 ' .20' :70.' 6:8F0' .2A6 ' .7' 3"8..05' ABA6.A6 ' <2760' C7.205' <86' 73' .20' :"0;0489' 6.7=F 1 8' 6.7=F' 67' 7;6=A50' 86' 90?05' .7' 28?0' 54609' 8;7?0' .20' :550.7524:* 1 .4A6' *) ' 46' 98C0D' 79' 8' 5B50' 60=79D' ;5866 ' 375' 89' 8==A58.0' 09B58?49B' 73' <24=2' 600' 46=79.4 ' + ' * ' :85.' 4" :4" ?" 34B" ,* 1) 1 " ' " #* 1 850' 208D' 73' 8";A6* 6 1 # " #* 1 08D'73'8'C89'6.589B0"@' 8..450D* 20' 8;7?0' =749' 620<6' .28.' .4A6' 8";A6' <86' 609.' .7' 85D4948' 86' 560.75 V 89D' .28.' ABA6.A6' 28?49B' 8"508D@' 7;.8490D' 6A;C466479' .7' 246' 5A"0' 357C' .20' 85D494896 ' .246' =749' <86' 6.5A=F' <4.2' .20' 208D' 73' .4A6 ' 49' 8=F97<"0DBC09.' 73' .2045' 7;"4B8.479 6' .7' 24C* 1 T' .6' ;85;857A6' <75FC896 624:U' 8DD6' =F20"' T 68?7A56'6.579B"@' 73' 85D4948 ' 8"<8@6 49276:4.8;"0'.7'.20'0"0B89.'85.6*U 1 85DA6' 8.05 ' <27C' .20' 50?0560' 0124;4.6 ' <86' 684D' .7' ;0' .20' 679' 73' 05=A"06 ' <27' 28?49B' "89D0D' 79' .20' 85D49489' =786.' B8?0' 246' 98C0' .7' .28.' 46"89D* 1 75' 8' =749' 89D' 67C0' 8007A9.' 73' 8' C0CG ;05' 73' .246' 38C4"@' ;08549B' 4.6' 60=79D' 6A598C0 ' 89D' <27' 34BA506' 246.754=8""@' 49' .20' 8998"6' 73' .20' "8.05' 50:A;"4=' 600') ' B096' :8.54=48' 0.' :"0;048* 1 9' .20' =7496' 73' .246' 38C4"@ ' 790' F ' 46' =7CC0C75G 8.0D#' 20' 7;?0560' 73' .20' D09854A6' 286' 375' "0B09D' #' 75' # " 89D' 375' .@:0' 8' <49B0D' 89D' 20"E C0.0D' 208D' 73' 8""86" 20' 50?0560' ;0856' " 4 " 89D' .20' 34BA506' 73' .20' 476=A54' 79' 27560G ;8=F' <4.2' 97 ' 8.' .20' ;7..7C 1 75' 4=.75@' 49 8' ;4B8* 1 20' :40=06 ' 49' ;579\0 ' 73' .246' B096 ' 850' ;@' .20' C49.EC86.056' 73' ABA6.A6* 1 00' . ' 8==75D49B' .7' 67C0' C@.27B58:2056 ' <86' =2403' 73' .20' 4.896' .28.' C8D0' <85' 8B8496.' KA:4.05 ' <27 ' .7' :A9462 ' 609.09=0D' 24C' .7' 6A:G :75.' .20' 208?096" 20' 8==7A9.' 73' 24C ' D4?06.0D' 73' 38;"0 ' 46' .28.' ."86' <86' 8' :24"767:205' 73' 57@8" 589F ' <2760' .0554.7540 6' "8@' 49' 975.2E<06.059' 354=8 ' 89D' <27 ' 28?49B' ;009' 8==A6.7C0D' .7' C8F0' 86.5797C4=8" 7;605?8.4796' 79' 8' 24B2' C7A9.849' 73' 8A54.8948 ' B8?0' 246' 98C0' .7' 4.' 89D' 8"67' .7' .20' 7=089' M ."89.4=N ' 79' <24=2' 4.' ;75D056* 1 84""89.' M 5" 444" :" ,> N' B4?06' 8' ;5866' C0D8""47A' 73' 9.7G 949A6' 4A6 ' .20' 0:4B58:2' 79' .20' 50?0560' 73' <24=2' 46' #" " +-+" =76" 9 4"* ' 89D' .20' .@:0 ' KA:4.05' 6.89D49B' <4.2' ' 89D$ ' 89' 08B"0' 8.' 246' 300.' 89D' ."86' ;08549B' 8' B"7;0' 79' 246' 627A"D056" 2050' 46' 49' .20' =9=2 8;490.' 897.205' ;5866' C0D8""479 ' C7A9.0D' 49' 8' "85B0' =45="0 ' 6.5A=F' A9D05' .20' 8;7?0E98C0D' 0C:0575 ' .20' 50?0560' "0B09D' 73' <24=2' 46' .2z' 68C0' 86' .28.' 8"508D@' SA7.0D ' ;A.' .20' .@:0' D4330560' 357C' 4." KA:4.05 ' 49' .20' "8..05' 496.89=0 ' 6.89D6' ;03750' 89' 8".85 ' 89D' .246' 8".85' 46' 7598C09.0D' <4.2' 8' ;86E50"403 ' 50:50609.49B' KA:4.05' 6.54F4 B' .20' 4.896' <4.2' 246' .2A9D05;7".6" 9' .20' 8".85' 46' 89' 08B"0' <4.2' 01 489D0D' <49B6" 0249D' KA:4.05' 46' ' 79' 246' F9006' 6A6.84949B' .20' B"7;0* 1 00' - + ' ' 89' A6A5:05' 49' .20' 504B9' 73' 79754A6 ' 3456.' " .8"@ ' 83.05<85D6' 49' &8A"" 7C' 73' 89' 79489' 38C4"@ ' 20' <86' 8:G :749.0D' 5030=.' 73' #7C0" 9D' ' 49B' "854= <209' 20' .77F' .28.' =4.@' 9 ' ' aN ' :57="84C0D' 24C' 0C:0575" 0:54?0D' 73' .28.' .4."0' ;@' .20' 68C0' B7.24=' =79SA0575' <27' 28D' B4?09' 4.' .7' 24C ' 20' 6A;60SA09."@' 506AC0D' 4.' 49' &8A" ' " " , " 8F09' :5467905' 49' , ' 20' 28D' 246' 54B2.' 289D' =A.' 733' 89D' ?' <86' ;894620D' ;@' 79754A6' .7' .20' 46"89D' 73' 4:854' <2050' 20' D4OD" 9' 246' =7496' M<24=2' 850' ?05@' 5850' 49' B7"D ' 64"?05 ' 89D' 6C8"" ;5866N' 20' 46' 6.@"0D' # * ! " ' M75' # * ! A o ' :" :" &+1 8"67' " #46=?6' o ' # ' # ' 1<' 2060' :40=06' <050' :57;8;"@' C49.0D' 8.' #7C0" 2050' 46' 8' 64"?05' C0D8""479' <4.2' ;46' D48D0C0D' :75.584.' 73' 01.5875D4985@' 64\0' 89D' 24B206.' 5854.@ ' 49' .20' 54.462' A60AC" 5" F05C89' 286' B4?09' 89' 09B58?49B' 73' .246' =749 ' 49' ?7"" 44" :" H ' 73' 246' 06=54:.4?0' 8.8"7BA0" 8 "89.' M 5" 444" > N' 28D' B4?09' 8' 64C4"85' 790

8 ; ; 50?48.479 & ' 8 : : 0856 79 . ; 0 50?0560 ' <4.249 8 =57<9 73 78F "08?06 ' 49 7.2056 73 7"4?0 ' 89D 49 7.2056 496=54 ; 0D 79 8 6240"D ' 6A557A9D0D ; @ 89 7"4?0 <508.2 246 & ' 46 ; @ ' 67C0 6A : : 760D .7 45089 &?5 A.' =F20"' <27 503056 .7 790 49 .20 40998 8 ; 490. ' 8B5006 <4.2 40 ; 0 "4 ' & % 49 .249F49B 4.' C750 :57 ; 8 ; "0 .28. ' 86 .2050 46 97 8..54 ; A.0 73 .20 8ABA5624 :' 79 .2060 =7496 ' .20 "0..056 & ' 49 .246 496.89=0 ' 627A"D ; 0 508D & h{ jz ' 89D .28.' .20 =57<9 ' 75 624 ;"D ' 627A"D ; 0 =7964D050D .7 .@ : 43@ .20 ' 75 7+ ' 733050D 89D D0D4=8.0D .7 ! 06 : 86489 ' 86 <86 =A6.7C85@ 79 6A=2 .54AC : 28 7==864796*

& 1 790 73 .20 .2500 6A598C06 73 .20 444A=48 B096 ' D054?0D 357C .20 8ABA58 :5406.277D*

& 1 75 1 20 A6A8 D064B98.479 73 89 C : 0575 75 73 89 C : 5066*

& 1 20 75D4985@ 0 : 4.20.' 73 #7C89 =7"79406 D054?0D 357C KA"4A6 .0685 89D ABA6.A6 86 & ! o ' ABA6.8 KA"48 ' 75 ! o ' & KA"48 ABA6.8 ' 79 C89@ 73 .2045 =7"7948 =7496*

& 1 00 4 " * ! ' & / ' &*1 ' & * *

& 1 00 # oo ' " * * & ' *

& 75 * 1 ' ! $ ' 75 ! 1 ' 679 75 D8AB2.05 73 .20 ABA6.' 75 C : 0575*

& 75 & 1 ' . ' T ABA6.A6 ' 679 73 .20 4?490 ' 4 0 679 73 KA"4A6 3=685N*

& + & 589D679 73 AG BA6.A6* 1 ' & * ! " ' " *' ! ' % ' ! ! ' 3. ("4 ' ') ' ' ! ' * & ' ' + - & + 1 &508.' B589D=24"D 73 ABA6.A6 ' 86O49 84A6 8"4BA"8 ' =* " * & # * ' 1 3 7A5 C : 0575 1 00 ' & ' 1 % o ! 6 ' ' &' * =* &&* * ' 1 <7 &6 83.05 ' 64B943@ .<7 ' 75 C : 05756 504B949B .7B0.205 1 75 018C : "06 73 &&* 600 =7496 73 0?05A6 89D 858=8 8 ' 8"67 73 8C6 89D 854E 9A6 ' 8549A6 89D AC05489A6 ' 47="0.489A6 89D 814C489A6 05=A"06 ' 796.89.4A6 89D 814E C489A6 1 8"67 24"4 : : A6 609475 89D A9475 ' =* &&& ' 1 4050 .246 8 ; ; 50?48.479 7==A56 4.' 49D4=8.06 .28.' .2500 ' 75 C : 05756 ' 504B90D .7B0.205 75 01G 8C : "06 73 .246 5850 508D49B 79 C : 0548 =7496 600 .20 ?4# 1 &&& 73 854AA6 SA7.0D ; @ =F20" 89D .20 1 ! " * ! ' &&& 73 8"=9.49489A6 =4.0D 2@ 479A=.* 1 84""89.' 86=54 ; 06 8 ! * ' &&& .7 AC05489 ' ; A.' 46 97.' =79345C0D 2@ 04.205 =F20" 75 479A0.* 1 00 & * 1 ' ' ' 75

& # ' ABA56* 1 246 68=05D7.8 75D05 <86 67 =8""0D ' ; 0=8A60 4.' :5730660D .7 : 50D4=.' 3A.A50 0?09.6 2@ 64B96 89D : 57D4B406 2045 D46=4 : "490 89D 50"4B479 <050 : 57 ; 8 ; "@ 73 8 ; 490 754B49 49.57DA=0D 49.7 #7C0 8.' .20 085"406.' : 0G 547D 73 205 37A9D8.479 2A.' ; "09D0D <4.2 .20

.C5489 54.06 89D =050C79406 73 D4?498.479 9 6A=2 24B2 8A.2754.@ 89D 50?0509=0 <86 .246 D46G .49=.' ; 589=2 73 .20 : 5406.277D 20"D ' .28.' .20 085"@ #7C896 90?05 =79DA=.0D 89@.249B 04.205 <4.249 75 ; 0@79D .20 <8""6 73 .2045 =4.@ 9A.4 .20 8A6 : 4=06 28D ; 009 .8F09 49 .20 7 ; 6Mz5?89=0 73 6A : 0598.A58 64B96 <24=2 <050 : A ; "4="@ 89G 97A9=0D ' ; @ .20 ABA56 C866 73 358AD 89D 37""@ C750 : A054"0 89D 8 ; 6A5D <86 90?05 C8D0 .20 6A ; 0=.' 73 6=409.434=2 75B894\8.479 89D 73 67"0C9 :58=.4=0 0.' 4.' <86 .246 0@?849 C@6.0G 547A6 85. ?0 <24=2 .20 #7C896 D4B94340D <4.2 .20 24B206.' :54?4"0BO6 90I .' .2760 73 .20 6A : 50C0 : 79.434=8.0 9D : 8.54=489 ' 73 .20 3456.' 589F 1 98@ C : 05756 .20C60"?06 1 D00C0D 4.' 89 2797A5 89D 89 8D?89.8B0 .7 ; 0' 50=04?0'8 49.7 C0C ; 05G 624 :' ; @ .20 ABA58 =7""0BO 246 8.' 4.6 496.4.A.479 375 <24=2 .20 : 7"4=@ 73 #7G CA"A6 286 .20 =50D4. ' <86 =7C : 760D 73 .2500 ABA56 ' .8F09 357C .20 .2500 .54 ; 06 ' 49.7 <24=2 86 <0 850 .7"D ' .28.' 549=0 8.' 3456.' D4?4D0D .20 6A ; 0=.6 73 246 49389.' 6.8.0 AC8 46 50=75D0D .7 28?0 8DD0D .<7 C750 206O 34?0 <050 8""4 : 8.54=4896 .4"" .20 @085 A4=4 [9s ' =4 H N <209 ' ; @ .20 0I ' BA"948 4.' <86 098=.0D ' .28.' 34?0 73 .20 ABA56 627A"D ' ; 0 ' : "0 ; 04896 :' .7 .246 : 0547D ' .20 =7""0BO 8 : : 0856 .7 28?0 0I05=460D .20 3500 89D 49D0 N79D=9.' 54B2.' 73 0"0=.49B 4.6 7<9 C0C ; 056 44""8 <209 49 A4=4 H ' M#*=4 HN =508.0D : 05 : 0.A8 D4=.8.75 8C7AB9.' 7.205 90<' "8<6 89D 8 : .749.C09.6 : 8660D 790 .7 49G =5086O .246 9AC ; 05 .7 343.009 20 3456.' 89D 7"D06.' 73 .20 ABA56 <86 =8""0D ' 20@ <050 754B498""@ =27609 86 .20 7.205 5406.6 ; @ .20 : 8.54=4896 49 .2045 ' 0I.' .20@ <050 8""7<0D .7 0"0=.' .20C60"?06 A.' 83.05 .20 49.57DA=.479 73 : "0 ; 0489 C0C ; 056 49.7 .20 =7""0BO 8 67C0<28.' C750 QNA"85 C7D0 73 34""49B A:' ?8=89=406 375 8 .4C0 : 50?84"0D T 20 5406.6 73 .20 =7""0BO 73 ABA56 375 8 "79B .4C0 8557G B8.0D .7 .20C60"?06 .20 67"0 : 54?4"0BO 73 6AQN : "4E =8.49B .20 B7D6 375 .20 208".2 73 0?05@ 49D4?4DA8" 89D 73 .20 <27"0 6.8.0 1 86 43 89@0790 =7A"D 97.' 86F 4.' 375 24C60"3 0.' 97.249B <86 C750 : 57G 34.8 ; "0 "49@ C09.4796 60?058 : 2@64=4896 <27 <050 : 0964790D 8.' 8 ; 7A.' $> : 05 899AC 89D 49 .20 504B9 73 "8AD4A6 790 .05949A6 =7C : "84949B 73 .20 6C8""9066 73 246 49=7C0 4.' <86 D7A ; "0D 375 24C*LO M 8 : .4 C@.2 :4 Ka[*N A549B .20 =4?4" <856 .20 ABA56 ; 0=8C0 508D@ 496.CC09.6 375 3A5.20549B .20 D064B96 73 ;7.2 .20 =79.09D49B 38=.4796 9 .20 504B9 73 ABA6G .A6 .20@ A9D0C09.' .20 68C0 =289B06 86 .20 79.4336 98C0"@ 0"0=.479 2@ .20 "0 ; 6 6A ; 0=.' 27<0?05 .7 .20 8 : : 57?8 75 ?0.7 73 .20 ; 549=0 .' "09B.2 .20 C : 05756 50605?0D .7 .20C60"?06 .20 54B2.' 73 97C498.49B .20 ABA56 ' <24=2 =79G .49A0D .7 ; 0 0I05=460D A9.4 .20 504B9 73 207D7G 64A6 .20 &508.' 9 H aN 2546.4894 ; 049B .209 3A @ 06.8 ; "4620D .257AB27A.' ; 7.2 D4?464796 73 .20 0C : 450 .20 8ABA58 " 49 =7CC79 <4.2 0?05@ 7.205 75D05 73 .20 208.209 : 5406.277D ' <86 ; @ "8<' 8 ; 7"4620D A.' . ; 0 3450 73 .246 C76.' 89G =409.' 89D C76.' : 7 : A"85 73 #7C89 6A : 056.4.4796 6C7A"D050D 8C4D6.' .20 5A496 73 : 8B8946C ' "79B 83.05 .20 50?09A06 <24=2 6A : : 75.0D .20 8ABA5624 :' 28D ; 009 8 : : 57 : 548.0D .7 .20 : A ; "4= .5086A5@*

a ' ' &.K# *

R & K# *EOE 20' 89BA58" 34444=.479' <86' .7' : 9 76.408.0' B77D' 75' 02'4" ' 49' 7 ; 605?49B' .20' 3"4B2. ' .20' <85 ; "49B ' 89D' .20' 6=508C6' 73' ; 45D6 ' .20' 8?4D4.@' 73' 37<"6' 49' 08.49B ' 75' .2045' 503968" .7' . 8F0' 377D ' 8"67 . 7' 97.0' .20' ?8547A6' : 2097C098' .28. ' 8: : 085' 49' .20' 208?096" 20' 8=.A8" 496 : 0=G .479' 73' 6"8AB2.050D' 894C8"6' D0?7"?0D' .7' 89' 49G 305475' 75D05' =8""0D' 85A6 : 4=06' ^600' .20' < 75DQ ' <27' 50 : 75.0D' .7' .20' ABA56 ' < 20.205' .20' <86' 6.5A=F ' ; 0G .584"6' 73' 6A=2' 894C8"6' <050' 49' 8' 208".2@' 75' 89' A967A9D' 6.8.0" 6' .20' =2403' 0I : 7A9D056' 89D' 49.05 : 50.056' 73' 8"" . 28. ' 50"8.0D' .7' .20' =050C7948" "8< ' 89D . 7' . 20'50BA"8.479' 73'50"4B47A6' 7 ; 605?89=06 ' .20' ABA56 ' A9D05' .20' F49B6 ' 89D' 83.05<85D6' DA549B' .20' 085"@' 8B06' 73' .20' 50 : A ; "4= ' <050' =79G 6A".0D' 8"<8@6' 79' .20' SA06.479' 73' <8B49B' <85 ' 89D' 79' 89@' 7.205' C8..05' 73' B508. ' : A ; "4=' 4C : 75.G 89=0" ' 6.54F49B' : 5773' 73' .20' : 0=A"485' =7964G D058.479' 8..8=20D' .7' .246' 75D05' 73' C09 ' 0I24 ; 4.6' 4.60"3' 49' <28. ' 46' 6.8.0D' 506 : 0=.49B' 4.6' : 5406."@' 589F ' <24=2' <86' 97. ' 8""7<0D' .7' ; 0' .8F09' 8<8@' 357C' 89@' 790' 79' <27C' 4. ' 28D' 79=0' ; 009' =79G 30550D ' "06. ' .20' 60=50.6' 73' .20' : 8B89' 6@6.0C' 627A"D' ; 0' 50?08"0D' .7' .20' CA".4.AD0" "49@' .20' @7A9B05' =8""6' .20' 8ABA5624 : ' ' : 5406.277D' " ' % ' 97. ' 79"@' 73' 89=409. ' 496.4.A.479' 89D' 27"@' =2858=.05 ' ; A. ' 8"67' 0?4D09. "@' 68=50D' 89D' D46G .49BA4620D ' 357C' .20' 38=. ' .28. ' 4. ' 46' 90?05' .8F09' 8<8@' 357C' 8' : 05679' DA549B' 246' "430' .4C0' / ' ' ' % ' ==75D49B"@ ' 86' <0' "0859' 357C' "A.85=2 ' <28.0?05' C4B2. ' ; 0' .20' =54C0' =7CC4..0D' ; @' 89' ABA5 ' 20' <86' 60=A50' 73' 50.84949B' 246' 7334=0' 375' "430 ' "06. ' .20' : 50.09D0D' C@6.0540'6' 73' 89' 4D7"8.57A6' <75624 : ' C4B2. ' 28?0' ; 0=7C0' 0I : 760D' .7' .20' 54D4=A"0' 73' 609 ; "0' : 05G 6796*

20' : "8=0' 375' .8F49B' .20' 8ABA5@' "8@' 79' 89' 0"0?8.0D' 64.0 ' B09058"46. ' 8' 6275. ' D46.89=0' ; 0@79D' .20' <8 6' 73' .20' =4.@" 20' 7334=48.49B' : 5406. ' : 57G =00D0D' .7' .20' 6 : 7. ' ="7.20D' 49' 8' "79B' 57 ; 0 ' <24=2' =7?050D' .20' 208D' "4F0' 8' ?04" ' 89D' 508=20D' D7<9' .7' .20' 300. ' =8""0D' ; ' 75') ' 209' .8F49B' 49' 246' 54B2. ' F89D' .20' ' 8' 6275. ' <89D ' =A5?0D' 8. ' .20' A : : 05' 09D ' 20' .58=0D' A : 79' .20' B57A9D' .20' + ' 75' ' 3.05' .246 ' 20' D4?4D0D' .20' 208?096' 49.7' 37A5' : 85.6' <4.2' .20' 68C0' ' C85F49B' 79' .20' 085.2 ' 86' <0"" 86' 49' .20' 845 ' .20' 37A5' SA85.056 ' 086. ' <06. ' 975.2 ' 89D' 67A.2" 20' ABA5' .209' 018C490D' ?54.2' B508. ' 8..09.479 ' <28. ' ; 45D6' 8 : : 0850D ' 49' <28. ' C89G 905' .20@' 3"0<' 89D' <28. ' 67A9D6' 466A0D' 357C' .2045' .2578.6" 2760' 64B96' <24=2' D46 : "8@0D' .20C60"?06' .7' .20' "03. ' : 8660D' 375' 38?7A58 ; "0' 7906 ' 89D' .2760' <24=2' <050' 6009' 79' .20' 54B2. ' 64D0' <050' : 5797A9=0D' .7' ; 0' 73' ; 8D' 8ABA50@" 9' 6275. ' .20' <27"0' <86' 8' =7C ; 498.479' 73' : 5406. =583. ' <4.2' 6.8.0' : 7"4=@ ' 49?06.0D' <4.2' 0I . 5875D4985@" : 7<056' 89D' : 54?4"0B06 ' 89D' =A".4?8.0D' =2403"@ .7' 49=50860' .20' 493"A09=0' 73' .20' "08D49B' 8A.2754.406' 7?05' 8' =50DA"7A6' 89D' 4B97589. ' : 07 : "0*

9' 8' D09854A6' 73' .20' ' $ ' B096 ' 89D' 79' =7496' 73' 7C : 0@ .20' &508. ' KA"4A6' .0685 ' 85F' 9.79@ ' ABA6.A6 ' 89D' 7.2056 ' .20' 34BA50' 73' 89' ABA5 ' 89D' .20' D4B94.@' 73' .20' 7334=0' 850' 37A9D' 50 : 50609.0D' 89D' D064B98.0D ' 97. ' 79"@' ; @' .20' 68=05D7.8" 57 ; 0' 89D' ?04" ' ; A. ' ; @' .20' ' .20' + $ %9 ' 89D' 7.205' 6@C ; 7"6 & #*

8"67' ; @' .20' <75D' 4.60"3' 496=54 ; 0D' 8. ' 3A " 75' 8 ; 54DB0D ' ??74." 75' ?7 1 ' D09854A6' 73' 7" 64?6 ' 286' 375' .20' .@ : 0' 73' 4.6' 50?0560' 89' 08B"0' 6.89D49B' 79' 8' .2A9D05 ; 7". ' ; 0. <009' *.20' ' 89D' .20' + $ ' KA : 4.05' <86' .20' .A.0G "85@' B7D' 73' .20' 8ABA58" =7""0B0* 1 9' 8' 64"?05' =749' 73' .20' 9.7948' 38C4"@ ' .20' "0B09D6' 89D' .@ : 06' 73' <2402' 8?05=8C : ' =7964D056' .7' 49D4=8.0' .20' =79=75D ' 6A ; 646.49B' <209' 4. ' <86' 6.5A=F ' ; 0G .<009' 85F' 9.79@' 89D' 0 : 4DA6 ' <0' 600' 79' 790' 64D0' M86' 49' .20' 8990I0D' =A.N 9 ' 4<4' 0E' ' <4.2' 8' 58?09 ' 75' 86' A' &27A" D06=54 ; 06' 4. ' T 790' 73' .20' 68=50D' =24=F096 U' 50"8.49B' .7' .20' : A""46 : 4=AC ' 75' 8ABA5@' ; @' 37<"6' I' .20' + $ ' 89D' .20' ' 850' 6@C ; 7"6' 73' 9.79@L6' 8ABA5624 : " 9' .20' 7.205' 64D0' 46' ' 85' E' :' <4.2' .20' 8 : 0I' M75' 68=05D7.8" =8 : N ' .20' ' M75' 68=5434=48" 8I0N ' .20' + ' M75' =28"4=0N ' 89D' .20' + ' M75' 6 : 549F"05N ' 4964B948' 73' .20' 7334=0' 73' 79.4304' 814CA6 ' <24=2' 0 : 4DA6' 28D' A6A5 : 0D*

& #" " +*1 246' D064B98.479' 73' .<7' D46.49=. ' 7334=06 ' <4.2' 8ABA58" 89D' : 79.4G 34=8" 496.5AC09.6' C49B"0D' .7B0.205 ' 98C0"@ ' .20' ' 89D' .20' + $ ' <4.2' .20' + 0 ' + ' 89D' ' 375C' .20' "0B09D' 89D' .@ : 0' 73' D09854" 73' KA"4A6' 60685 ' 6.5A=F ' 8 ; 7A. ' " A" =" ' 9 $ ' - ' N" 20@' 605?0' .7' 620<' .28. ' .20' 4=.8.75' 28D' 8. ' .246' .4C0' A94.0D' .20' .4. "0' 73' ' .7' .28. ' 73' .20' =2403' : 79.434=8.0' 89D' .7' 246' 7.205' .4. "06" .' <86' 83.05' 246' 50.A59' 357C' B@ : . ' 89D' 648 ' .28. ' KA"4A6' =8A60D' 246' 98C0' .7' ; 0' 496=54 ; 0D' 49' .20' =7 0B0' 73' ABA56 ' 86' <0"" 86' 46' 49' .20' 7.205' 68=05D7.8" =75 : 758.4796" 20' ' C85F6' .20' 8ABA58" 7334=0' 89D' .20' 68C0' 496.5AC09. ' 46' 67C0.4C0 ' : "8=0D' 79' 246' =7496' ; 0249D' 246' 208D*

' $' ?' 3 1 2050' 850' B7"D' 89D' 64"?05' 73' 85F' 9.79@L6' 79' <24=2' .20' 7334=48" .4. "0 ' 8==7C : 8940D' ; @' .20' 57 ; 0' 89D' =577F ' 73' .20' 8ABA5624 : ' 46' =796 : 4=A7A6"@' 50 : 50609.0D" 9' .20' 7 ; ?0560' M86' 49' .20' 8990I0D' 09.N <0' 508D' ' ' ' ' ' ' ' + ' & #" ' #E' ; ' ' C8"0' 34BA50 ' 49' .20') ' <8"F49B ' 27"D6' .20' ' 9' .20' 7.205' 64D0' 46' .20' 58D48.0D' 208D' 73' .20' A9 ' 6A557A9D0D' ; @' .20' 8 ; 54DB0D' 496=54 : .479' 73' 9.79@L6' 7.205' .4. "06 ' ?4\" ' * +) ' ' ' ' ' ' '

73' C : 0548'# : 7<05 ' :"849"@' 58D4=8.06' .20' =79G 64D058.479'# 49' < 24=2' .20'D4B94.@' 89D' 3A9=.47 96' : 3' .20' 375C05' 7334=0' =79.49A0D' D7<9' .7' .246*504B9 ' 9D' 8"67' .28.' 73' 4.A6 ' .7'Y;0' 20"D' , ' .20' ' 7E C8=6'# 9' 8' C85 ; "0 ' .5896=54 ; 0D' 357C' 2458.754 ' ?4 ; 054A6' 46' 97.' 79"@' .05C0D' ¯ ¯ ; A.' 8"67' & #'# I ?4#'# 6'# '# ?45?4#*L' ' ' 89D' ' 46' 8"4BA"8 ' 79' 246' =7496 ' =8""0D' ; 7.2' ¯ +'# 89D' & #* 1 0F20"' ?4'# HH>* C79B6.' .20' D0A8544' 6.5A=F' A9D05' .20' 50E : 43"\"4= ' 89D' <24=2' 8?05=8C : ' 49' .20' ' 73' 750"' ="86606' 86' ' M.20' A9=05E !' .849.@' ; 049B' 86' .7' .20' : 85.4=A"85' ' .7' < 24=2' .20@' 7AB2.' 506 : 0=.4?0"@' .7' ; 0' 8664B90DN ' .2050' 46' 790 ' < 24=2' 0?4D09."@' ; 0856' 8""A6479' .7' .20' 085"406.' .58D4.479'6' 73' #7C0'# * 20' =749' 49' SA06.479' 46' 8' <0""EF97CC' 790'# .' 286' 375' .20' .@ : 0' 73' 4.6' 7 ; ?0560' .20' A6A8'# 208D' 73' 8""86 ' < 4.2' .20' C85F' 73' .20' D09854A6' + ' 89D' .20' '# < 75D' # ' ; 0"7<'# 20'50?0560 ' ' <4.27A.' 0 : 4B58 : 2 ' 0I24 ; 4.6' 8' 20"C0.0D' 30C8"0 ' 608.0D' 79' 8' 208 :' 73' 6240"D6 ' 205' 54B2 ' 289D' 506.49B' 79' 205' F900 ' < 24"6.' .20' "03.' 289D' 46' 6A : : 75.0D' ; @' 8' 6 : 085'# 9' 08=2' 64D0' 73' .20' 34BA50' 46' 8' ; 45D' 3"@49B' .7 < 85D6' 205' ' 8.' 205' 300.' 46' .20' =7CC79' 6@C ; 7'# 73' .20' < 7"3' 6A=F"49B' .20' .< 496*

050' .209' <0' 28?0' ; 03750' & ' .20' : 05679434 0D' B094A6' 73' .20' #7C89' : 07 : "0 ' 75' .20' 50 : 50609.8G .479' 73' D04340D' #7C0' 20560"3'# 20' 46' 608.0D' 79' ; A=F"056 1 4.' C8@' : 0528 : 6 ' ; 0' 6A : : 760D 1 79' .2760' 68=50D' ; A=F"056' M600' ' :'# [N ' 49'# .20' : 76G 6066479' 89D' =A6.7D@' 73' < 24=2 ' 86' 73' 8' 208?09E D06=09D0D' B43. ' .28.' : 07 : "0' 28D' B790' 375.2' 357C' =79SA06.'# 20' B094A6 ' 75' B7DD066 ' 46' "77F49B' D7<9<85D6 ' 86' 43' 8 ; 675 ; 0D' 49' 503"0=.479' A : 79' .20' 5460' 7 e 20' 0.0598'# =4.@ U' 357C' 8' 2ACG ; "0' 754B49 ' A9D05' 4.6' C85?0""7A6"@' 9A5.A50D' F49B ' .7' .20' : 8"C@' 6.8.0' 73' 0I.09D0D' : 7<05' 89D' D7C49479 ' 8.' <24=2' 4.' 28D' 8554?0D' 86' 8' =796A"85' =7CC79E<08".2'# 20' .<7' ; 45D6' <050' D7A ; ."066' C089.' .7' 8DAC ; 58.0' .28.' : 85.' 73' .20' 89=409.' "0B09D' < 24=2' D06=54 ; 06' .20' .< 7'49.50 : 4D' ; 57.2056 ' ; 0=7C0' 97'# "79B05' C050' "08D056' 73' : 86.758'# =7CG 58D06 ' ; A.'.'40' 8=F97<"0DB0D' 6=4796' 73'57@8".@ ' 89D' 3405=0' 54?8"6 ' .20' 790' 8B8496.' .20' 7.205 ' 375' =4?4= 2797A56 ' 89D' 375' 6A : 50C8=@' 73' : 7<05'# .' <86' 8B500D' .28.' .20' SA06.479' 8.' 466A0' ; 0.<009' .20C ' 98C0"@ ' <2050' .20' =4.@' 627A"D' ; 0' ; A4".' 89D' 83.05' <2760' 98C0' 4.' 627A"D' 20' =8""0D' 86' .28.' 73' 4.6' 37A9D05 ' 627A"D' ; 0' D0=4D0D' ; @' 8ABA5@' #0CA6' <8 ' .20' 3456.' .7' 600' ?A".A506 ' 64I' 49' 9AC ; 05'# #7CA"A6' 6779' 83.05<85D6' 68<' .<0""?0'# 8=2' ="84C0D' .20' 8ABA5@' 49' 246' 7<9' 38?7A5'# 20' 50SA0'# 73' .20' 6.75@' 50SA4506' 97.' .7' ; 0' 50"8.0D' 49' .246' : "8=0*

7964D0549B' .20' =796 : 4=A7A6' : 85.' : 05375C0D' ; @' .2760' 49?06.0D' < 4.2' .20' 89BA58'# 7334=0' ; 7.2' DA549B' .20' .4C0' 73' .20' 50 : A ; "4=' 89D' A9D05' .20' 085"405' 6A=-0664?9' 73' 0C : 05756 ' 4.' 600CC6' =8"=A"8.0D' .7' 0I=4.0' 6A5 : 5460 ' .28.' 67' 30<' 0?09' 73' .20' 38C4"@' =7496' 73' .20' #7C896' 0I24 ; 4.' 89@' 8""A64796' .7' ABA5@' 89D' .28.' $ ' .20' 504B96' 73' < 28.' 850' =8""0D' .20' <0""?0' r6856' M79' <2760' C49.8B06' .20' 6@C ; 7"6' 89D' 98C0' 73' 89' ABA5' ; A.' 60"D7C' 8 : : 085NW' 904.205' "0B09D6' 975' : 0 ' ;08 ' 89@' 30508=0' .7' .20' 496.4.A.479' 75' .7' 4.60' : 5406.277D* & #' * 1 00' !! . & (' 75' & *EEEE 246' 0 : 4.20.' 46' M[3 350SA09 7==A5509=0' 79' #7C89' =7496' 73' .20' C : t548'# 605406'# .' < 86' 8' .4."0' D0=500D' .7' .20' <4?06' 73' C : 05756' ' .20' SA8"4.@' 73' ' 86' 50B8940D' .20' 3456.' 4C : 506606 ' ; 049B' 49D00D' .20' 79"@' D46E' .49=.4?0' 8 : : 0""8.479 ' < 24=2' 605?0D' M86' 4.' < 050N' .7' =7960=58.0' .2045' 589F'# 2060' : 549=06606 ' 27<G 0?05 ' .27AB2' D0="850D' ' < 050' 97.' 79' .28.' 8==7A9.' "066' 6A ; 0=.' .7' .20' "8<6' < 24="4 B7?0590D' : 54?8.0' 49D4?4DA8"6'# 75' D706' 4.' 600C' .28.' .20@' < 050' 8DC4..0D' .7' .20' : 54?4"0BO' 73' 28?G 49B' .2045' .4."0' 89D' =" B@' ; 7590' 79' =7496 ' 0I=0 : .' ; @' D0B5006' 89D' A9D05' =05.849' 506.54=.4796'# .' .20' =7CC09=0C09. ' .2060' 2797A56' < 050' D0D4G =8.0D' .7' .20C' 79"@' 79' =7496' 6.5A=F' 49' .20' : 57G ?49=06'# 3.05<85D6 ' < 209' .2045' : 75.584.6' < 050' 09B58?0D' 79' .2760' 8=.A8""@' C49.0D' 8.' #7C0' 4.' < 86' D790' A9D05' .20' : 05679434=8.4796 ' 75' 6@C ; 7"6' 73' =05.849' D4?494.406 ' 75' 73' =05.849' D04340D' ?45.A06'# A.' .20' =A6.7C ' 79=0' 49.57DA=0D' ; @' ABA6.A6' : 05 : 0.A8.0D' 4.60"3 ' 89D' 8"C76.' 84'# 246' 6A==066756' =8A60D ' 75' 8.' "086.' : 05B44..0D ' .20' "4F0906606' 73' .2045' < 4?06' M89D' 7==864798""@' 7.205' 9085' 50"8.4796 ' 86' < 0""# 30C8"0' 86' C8"ON ' .7' ; 0' : "8=0D' 79' 8' : 75G .479' 3' .2045' =7498B0'# ==75D49B"@ ' < 209' 97.' 37A9D' 79' #7C89' =7496 ' : 57 : 05"@' 67' =8""0D ' .20@' 850' A6A8""@' 6009' 79' .2760' 73' 67C0' : 57?49=48'# =4.@' 73' .20' 0C : 450* 1 T' 2060' C0D8"6' 73' 0C : 506606 ' 27<0?05' M86' .20' 8A.275' 73' ^ ' 0 ' 7 ; 605?06N ' 850' B09058""@' "066' 8 ; A9D89.' .289' .2760' 73' .20' : 549=06' <27' 508""@' 20"D' .20' 6=0 : .50'# 9D' 8".27AB2' 375' .28.' 508679' CA=2' 67AB2.' 83.05' ; @' .20' =A547A6 ' 89D' 8"67' 79' 8==7A9.' 73' .2045' B0906 8"7B4=8'# 5030509=0' .7' 4C : 0548'# 38C4"406 ' 43' .20' 0IG : 5066479' C8@' ; 0' 8""7<0D' ' @0.' .20@' 850 ' 375' .20' C76.' : 85. ' "066' 49.0506.49B' 49' : 749.' 73' =25797"7B@' 89D' 73' =7990=.479' < 4.2' 98.4798'# 0?09.6 ' < 24=2' .20@' 60"D7C' .58=0' 49' .."40' 68C0' 6.54F49B' C89905' 86' D7' .20' =7496' 73' .20' 0C : 05756' .20C60"?06*U 1 ' 246' 50C85F' 0SA8""@' 8 : : "406' .7' C0D8"6' 6.5A=F' 49' 2797A5' 73' @7A9B' : 549=06' " / % < 27' D4D' 97.' 504B9*

"49@' =8""6 & ' .20' C8C8B0' 98C0' 9 0 ' 6 ' =' H N'# 9D' .2050 49' 20' 46' ; 7590' 7A.' ; @' 6A=G =0664?0' 0I8C : "06' 49' .20' C49.8B0' 73' C : 0548'# #7C0'# 2A6' 79' 8' B7"D' =749 ' 6.5A=F' A9D05' 7494.489 ' 246' <430' 46' 6.@"0D' ! ! ' & ' (' 4 # M ; @' 4C : "4=8.479' N*1 8A6.498' 609475 ' < 430' 73' 9.7949A6' 4A6 ' 46' =8""0D' % ! ' & ' 89D' % ! ' & ' ! !' = ' M ; @' 4C : "4=8.479' % ' 9' "4F0' C89905' 8"67 ' 79' =7496' 73' .20' @7A9B05' 8A6.498 ' < 430' 73' # A50G "4A6 ' < 0' 508D' % ! ' & ' & ' ! !' (44'# 4 # M 8AB2.05' 73' 9.7949ON*1 4?48 ' < 430' 73' ABA6.A6 ' 0I=289B49B' .20' 98C0' 73' 4?48' 375' .28.' 73' KA"48 ' 79' 205' 8D7 : .479' 49.7' .28.' 38C4"@ ' 46' 6.@"0D' 79' =7496' 6.5A=F' 83.05' 205' 2A6 ; 89DL6' D08.2' 1 ' & / " % ' # ' # 1 ' 89D' 83.05' 205' D08.2 ' ! ' ! 0! ' & / ' A=4""8 ' .20' < 430' 73' # 05A6 ' 46' D064B98.0D' 79' 205' C0D8"6' 86' 0 "!00 ' & ' 75' 0 "!00 ' & ' ' 1 < ' 8 ' M 8AB2.05' 73' # A50"4A6N*1 ' =668"498' < 86' 97.' D46.49BA4620D' ; @' .246' 4C : 0548"

.4."0 ' .4""' 8' "8.0' :0547D' 73' 205' 4938C7A6' =85005 ' 86' .20' <430' 73' "8AD4A6≠ 9D00D ' 8==75D49B'.7' 479 ' .28.' C :0575 ' 503A60D' .7' 8""7<' 205' 6A=2' 89' 27G 97A5' ' 2A.' .20' 098.0' B589.0D' 4. ' :0528 : 6' 83.05' .20' 54.89947' 0I :0D4.479≠ 7C0' &500F C0D8"6 ' 6.5A=F' 49' B@ : .' 0I24 ; 4. ' 857A9D' 205' : 75.584. ' 9D' 79' 67C0' 8.49' =7"7948" =7496' M375' .2050' <050' 9790' 73' 2056' C49.0D' 8.' 7590N ' 620' 46' =8""0D' 1 o * ! ' .' 4"4 ' %' 1 8 ; 498 ' <430' 73' 8D5489 ' 46' 09.4."0D ' 79' 205' =7496 ' $! ' ' ! # ' $! ' ' < ' M2@' 4C : "4=8.479' 9% 2050' 850' 37A5' 4C : 0548"' C8.5796' 73' .20' "7<05' 0C : 450 ' 08=2' 73' <27C' 79' 205' =7496' 46' D097C498.0D' & ' 0.' 89=409.' 246.754896' 28?0' C8D0' 97' C09..79' 73' .20C≠ 2060' 850' 85 ; 48' 5 ; 4898 ' .245D' <430' 73' "0I89D05' 0?05A6 ' 7590"48' A : 056 ' <430' 73' * C4"489A6 ' 0?05498 ' <430' 73' 4AI4289A6 ' 89D' 8B948' 5 ; 4=8 ' <430' 73' 8549A6≠ 9D' 4.' 46' 79"@' ;@' .20' 6A ; 60SA09.' 506085=206 ' D46=7?05406 ' 89D' 8664B9C09.6' 73' ' 20"" ' =F20"' 89D' 7.205' 0C4909."@' "0859OD' 89D' 68B8G =47A6' 9AC46C8.46.6 ' .28.' .20' 506 : 0=.4?0' 2A6 ; 89D6' 73' .20' "8D406' 49' SA06.479' 28?0' ; 0=7C7' F97<9' 8.' .246' : 0547D' 73' .4C0≠

20' .4."0' 73' ' <86' =7930550D' 97.' 79"@' 79' .20' <4?06' 73' 0C : 05756 ' 89D' 73' .20' 606856 ' ; A.' 8"67' 79' .2045' C7.2056 ' B589DEC7.2056 ' 64*6.056 ' D8AB2.056 ' B589DED8AB2.056 ' 89D' 7.205' 30C8"0' 50"8.4796≠ 75' 0I8C : "0' 9.7948 ' B589DG C7.205' 73' 8"4BA"8 ' KA"48' 6068 ' B589DE : 47.205' 73' "8B8 ; 8"96 ' KA"48' 780C486 ' C7.205' 73' .20' 68C0' 0C : 0575 ' KA"48' 8C808 ' C7.205' 73' "0IG 89D05' 0?05A6 ' 28?0' 79' ' 7C89' =7496' .20' 8 : : 09DG 8B0' 73' '496=54 ; 0D' 83.05' .2045' 98C06* 1 20' 68C0' 2797A5' <86' ; 06.7<0D' .27AB2' 4.' 2A.' 60"D7C' 7==A56 ' 79' .20' D8AB2.056' 73' 0C : 05756 ' 64C : "@' 86' 6A=2 1 49' : 5773' 73' <2 4=2' 600' .20' 496.89=0' 73' KA"48' 4& ' D8AB2.05' 7 4.A6 ' 89D' 73' 4D48' "858 ' D8AB2.05' 73' ' D4A6' KA"489A6≠ (4.2' 506 : 0=.' .7' 646.056' 73' 0C : 05756 ' 09D' 7.205' <7C09' 73' ABA6E' .8"≠ 589F ' ; A.' 97.' C85540D' 04.205' .7' 504B949B' : 549=06' 75' .7' 20456' 73' .2760' : 549=06 ' <0' 349D' M.7' 68@' 97.249B' 73' .20' 50?7".49B' 0I8C : "0' 73' 5964""8' 89D' KA"48 ' 646.056' 73' 8"4BA"8N ' .20' B58=03A"≠ =7CG : "4C09.' : 84D' .7' 85=4898 ' 646.05' 73' 58 89 ' 89D' .7' 205' D8AB2.05' 8.4D48 ' =7960SA09."@' 940=0' .7' .28.' 0C : 0575 ' 08=2' D0=758.0D' 79' .2045' =7496' <4.2' .20' 6A598C0' 73'

20' '75' 0C : 506606' 89D' 7.205' : 549=06606' 73' .20' #7C89' 0C : 450' M68@6' 89B085.N ' C894306.0D' 97' "066' 8C ; 4.479' .289' .20' : 7.09.8.06' <27C' .20@' 06 : 7A60D ' 75' <050' 50"8.0D' .7≠ .' 3456.' .20@' 28D' ; A.' 790' 98C0 ' .7' <24=2' .20@' 6779' 8DD0D' 8' : 50G 97C09' 89D' 8' =7B97C09 ' A94.0D' <4.2' .4."06' 86' ?849' 86' .20@' <050' 76.09.8.47A6≠ 9' .20' 348..05E' 49B' 866AC : .479 ' .28.' .20@' 5060C ; "0D' .20' B7DG D06606 ' 86' .20' 0C : 05756' D4D' .20' B7D6 ' .20@' <4620D' .7' 27"D' .20' 68C0' 6A : 05E2AC89' 589F' ' 89D' .20506 3750' =8A60D' .20C60"?06' .7' ;0' : 75.58@0D' "4F0' .20' 4C8B06' 73' .2760' 30C8"0' D4?494.4= ' <27C' .20@' .20C60"?06' 506 : 0=.4?0"@' 20"D' 49' : 0=A"485' ?090580 .479 ' ==75D49B"@' 83.05' 8' .4C0 ' <0' 349D' .20C' 79' .2045' C0D8"6 ; 7557<49B' .2045' ?05@' 98C06' 89D' .4."06 1 .2045' 8..54 ; A.06 ' 6@C ; 7"6 ' 89D' 6.8.A85@' 375C6≠ 90' 0C : 5066' =8""0D' 20560"3' 0506 ' 89G 7.205' 4898≠ 246' ' .77F' .20' 98C0' 73'

&"?) *

KA97 ' .28.' 73' A98' A=43058≠ A.' 97.' =79.09.' <4.2' 28?49B' 57 ; ; 0D' .2760' B7DD06606' 73' .2045' 8 : : 0""8.4796' 89D' SA8"4.406 ' 67C0' 73' .20' #7C89' : 549=06606 ' 6A=2' 86' .20' 8A6.4986 ' 546 : 496 ' A=4""8 ' KA"48' 7C98 ' =≠ 0"0?8.0D' .20C60"?06' 8.' 79=0' 49.7' D4?494.406 ' 86' 46' 620<9' ;@' .20' "0B09D6' 79' .2045' =7496 ' ?4\≠ 08 ' 4?8 ' 8.05' 034C ' &090.54I ' 5 ; 46 ' 0506' 5AB43058' ' 4898' ABA6.8 ' KA97' #0B498≠ 7' 67C0' 73' .20C' .2060' .4."06' <050' B4?09' DA549B' .2045' "430E.4C0 ' .7' 7.2056' 83.05' .2045' D08.2≠ 2050' 850 ' 27<0?05 ' 97.' 8' 30<' <27' <050' 2797A50D' <4.2' .2060' 50=7B94.4796' 73' D4?494.@' ; 7.2' <24"0' "4?49B' 89D' <209' D08D* 1 ' M 00' ' P' ' F ' ' = ' :≠ [H ' ' 0%

q ' <27' <050' .20' <4?06' 73' 0C : 05756' M86' <4""' 28?0' ; 009' 6009' 357C' : 50=0D49B' 7 ; 605?8G .4796N' 850' 904.205' 79' .2045' 7<9' =7496' 975' 79' .2760' 73' .2045' 2A6 ; 89D6 ' 0?05 =8""0D' ' ; A.' 8"<8@6' ≠ 75' & ' .' 46 ' .20503750' 357C' .20' .4."0' ; 06.7<0D' A : 79' .20C' 49' .20' 4CG : 0548≠ C0D8"6 ' .28.' 8' ?8"4D' 85BAC09.' C8@' ; 0' D58<9' 86' .7' .20' 380.' 73' .2045' 28?49B' 62850D' .20' 8ABA6.8≠ ; 0D*

8 "89.' M 5≠ ≠ 44≠ >H[N ' 49' 8""AD49B' .7' .20' 64"?05' =749' 73' KA"48' 7C98' 79' <24=2' .28.' 8C ; 4.47A6' <7C89' 46' 0I24 ; 4.0D' <4.2' .20' 0 : 4B58 : 2 ' 89D' A9D05' .20' 4C8B0 ' 73' KA97 ' 7 ; 605?06 ' T' .28.' 49' 75D05' .7' 6A557A9D' .20' : 056796' 73' 0C : 506606 ' <4.2' B508.05' D4B94.@' 89D' 50?0509=0 ' 4.' 28D' ; 0=7C0' .20' 096.7C' .7' 8664C4"8.0' .20C' <4.2' .20' 375C6' 89D' 8..54 ; A.06' 73' B7DD06606 ' 89D' .7' : 50609.' .20C' 49' .2045' 98C06' .7' .20' : 07 : "0*U 1 C : 506606 ' 49' 898"7B@' <4.2' .20' 0I8C : "06' 73' .2045' =79675.6 ' <050' =8""0D' ' MC7.2056' 73' .20' =7A9G .5@N ' F ' MC7.2056' 73' .20' 098.ON ' F ' 9' =7"7948" =7496' .20' =7A9.0989=06' 73' .20' ' <050' 7A.' 73' 8DA"8.479 ' 73.09' 50 : 50G 609.0D ' 86' 4 ' T-) ' 8 : : 8509."@' .7' 49D4=8.0' .28.' 6A=2' =7"7940' 20"D' .2045' =4.406' A9D05' .20' : 57.0=.479' 89D' : 8.5798B0' 73' .2760' 0C : 506606*

' 28D' 8"67' .20' : 54?4"0B0' 73' 28?49B' .2045' =7960=58.0D' 4C8B06' =8554D' 49' .20' + ' M75' =7?050D' =28547.6N' 79' .2760' : A ; "4=' 7==864796' <209' .20' 6.8.A06' 73' .20' 0C : 05756' <050' =79?0@0D' 49' .20' ' 75' =856' 73' 6.8.0* 1 20' 496=54 : .4796' 73' ' ' ' =≠ 77"7<0D' ; @' ≠ 850' 73.09' 6009' 79' .20' =7496' 73' ' 8==7C : 8940D' ;@' 8 : : 57 : 548.0' .@ : 06≠ T' 2A6' .2050' 46' 6=85=0"@' 8' 30C8"0' 73' .20' ABA6.8"≠ 27A60 ' (?27' .27AB2' 620' C4B2.' 97.' : 766066' 8' .5A0' ="84C' .7' =2858=.05' 375' ; 049B' 8' : 47A6 ' C7D06. ' 89D' B77D' <7C89 ' @0.' 384"0D' .7' C8F0' 89' 76.09.8.479' 73' 205' : 40.@ ' =286.4.@ ' 89D' ?45.A0≠ 75' .246' =8A60' 4.' <86' 8' 38?7A54.0' : 58=.4=0' <4.2' .20C' .7' 28?0' .20' 34BA50' 73' ' 09B58?0D' 79' .2045' =7496' A9D05' <2760' 4C8B0' 86' A9D05' .20' : 0=A"485' .@ : 0' 73' =286.4.@ ' .20@' .27AB2.' 34.' .7' ; 0' 50 : 50609.0D' ; 03750' .20' : A ; "4=*U

20' 605406' 73' ' <2760' 98C06' 89D' : 75G .584.6' 850' 37A9D' 79' #7C89' =7496' M.27AB2' 97.' 73' 0?05@' C0.8"N ' 357C' .20' 504B9' 73' ABA6.A6 ' <27' D40D' , ' @0856' 83.05' .20' ; 45.2' 73' 7A5' 8?47A5' .7' 864"46=A6 ' ; 57.205E49E"8 <' 73' 07' ≠ <27' 504B90D' * ≠ ' 46' 86' 37""7<6 / 1

4?48 ' <430' 73' ABA6.A6≠ 759' [' @0856' ; 03750' 2546.' ' D40D' ≠ ≠ >a*

9.7948 ' <430 73 5A6A6 609475# 759 Ha' @0856 ;03750 ;546. ' D40D H *

B54: : 498 609475 ' <430 73 &05C894096# 7C' , [' @0856 ;03750 2546. D40D H*

0668"498 ' .245D' <430 73 "89D4A6# 40D

B54: : 498 A9475 ' 37A5.2' <430 73 "8AD4A6 ' 646.05 73 8"4BA"8# 7C' , ' D40D [* =.8?48 ' 3456.' <430 73 057# 40D H* 7: : 608 ' 60=79D' <430 73 057# 40D H* ! "8?48 7C4.4""8 ' <430 73 06:86489# 40D .20 @085 :50?47A6 .7 205 2A6;89DL6 08==066479 .7 .20 0C:450* KA"48 ' D8AB2.05 73 4.A6# 40D 49 .20 504B9 73 7C4.489 ' ?4\# ;0.<009 ,' 89D a * 7 94.48 ' <430 73 7C4.489# 40D 49 .20 504B9 73 9.7949A6 4A6 ' ?4\# 8;7A.' , * "7.498 ' ?5430 73 58 89# 40D ,Ha* 85=4898 ' 646.05 73 58 89# 40D 8;7A.' , , * 8.4D48 ' D8AB2.05 73 85=4898# 40D 49 .20 504B9 73 9.7949A6* 8;498 ' <430 73 8D5489# 40D ,H * 8A6.498 609475 ' <430 73 9.7949A6 4A6* 1 ' 759 , [' ' D40D , ,* 8A6.498 A9475 ' <430 89D =7A649 B05C89 73 # A50"4A6# 40D , [* A=4 8 ' D8AB2.05 73 # A50"4A6 ' 89D' <430 73 ' 0C6# 7C' , ' D40D 8;7A.' , H* 546:496 ' <430 73 7CC7DA6# 40D , H* 84D48 =89.D"8 ' <430 73 4D4A6 KA"489A6 ' C:0575 49' , aH* 4D48 "858 ' D8AB2.05 73 4D4A6 KA"489A6 89D' 73 =89.4 8# 7C' , [H* KA"48 7C98 ' <430 73 0:.4C4A6 0?05A6* 1 ' 40D' H, * "8A.4""8' M A"?48N ' <430 73 858=8""8# 40D H, H* KA"48 8A"8 ' 3456.' <430 73 "8B8;8"76 ' .7' <27C' 620' <86 C85540D' 8;7A.' H, a* KA"48 SA4"48 0?058 ' ?06.8" ' 60=79D' <430 73 "8B8;8"A6 ' 6A5?4?0D' 205' 4938C7A6' 2A6;89D ' <27' <86 6"849 HHH* 9948 8A6.498 ' .245D' <430 73 "8B8;8"A6* KA"48 780C486 ' C7.205 73 "8B8;8"A6# 40D HHH* KA"48 C68 ' 646.05 73 KA"48 7C98 ' B589DG C7.205 73 "8B8;8"A6# 40D HHH* KA"48 8CC8 ' D8AB2.05 73 6068 ' 646.05 73 780C486 ' 89D' C7.205 73 "0189D05 0?=586* 1 ' 40D' HH[* 5;4898 M 8"A6.48 85;48N ' .245D' <430 73 "01G 89D05 0?0C6 ' HH # ' 97<9 79"@ ;@ 205 =7496* 8A"498 ' <430 73 814C49A6 ' <27 504B90D' HH[' .7' HH # ' 97<9 79"@ ;@ 205 =7496* 589SA4 498 M A548 8;498N ' .245D' <430 73 &75D489A6 4A6 ' 6A5?4?0D' 205 2A6;89D ' <27' D40D' H * 85=48 .8=4"48 0?04y ' <430 73 24"4:' 609475 ' 6A5?4?0D' 205 2A6;89D ' <27' D40D H a* 0509948 .586=4 8 ' F97<9 79"@ ;@ 205 =7496 89D 89 496=54:.479 ' <86 .20 <430 73 58 89A6 0=4A6 ' <27' D40D' H[,* 7590"48 A:056 ' <430 73 0C4"489A6 ' <27' A6A5:0D' .20 ' :A5: "0 H[H# ' 97<9 79"@ ;@ 205 =7496*

' >

85494896 ' 6A: : 760D' 60=7AD' <430 73 8"A54E 89A6 609475 ' <27' <86 :57="84C0D' C:0575 H[H* 8"79498 ' <430 73 &8""409A6# 40D > * 0?05498 ' <430 73 A50"489A6 ' C:0575 > * 8B948 5;4=8 ' <430 73 8549A6 ' C:0575 > H# ' 97<9 79"@ ;@ 205 =7496* 0"098 ' 3456.' <430 73 796.89.496 2"75A6* 1 ' 758 > ' D4?75=0D' ;@ 205 2A6;89D ' D40D H> * 207D758 ' 60=79D' <430 73 2"75A6 ' C85540D' .7' .28.' :549=0 >a>* 8"0548 M&8"0548N ' 60=79D' <430 73 844C489A6# 40D H, [* 8A6.8 ' <430 73 796.89.490 .20 &508.# 40D HH * 8A6.8 ' C85540D' .7' 796.89.496 ;0.<009 HH[' 89D' H[* 0"098 ' 6A: : 760D' <430 73 546:A6 8/685 ' H, ' 679 73 796.89.490 .20 &508.* 0"098 ' <430 73 KA"489A6 40D H * "8==4""8 ' <430 73 207D764A6 .20 &508.# 40D H * &8""8 "8=4D48 ' <430 73 796.89.496 * 1 ' 40D [* 028 AD7148 ' 75 AD7=48 ' <430 73 207D7G 64A6 .20 @7A9B05# 758 aH ' D40D * 4=4948 AD7148 ' <430 73 8"09.4948A' * 1 ' 758 HH* 797548 ' 646.05 73 8"09.49489 759 , * A"=20548 ' 646.05 73 207D764A6 <430 73 85=489A6# 759 Haa ' ABA6.8 , ' D40D [H* 05498 ' <430 73 07 40D * A:20C48 ' <430 73 9.20C4A6 ' C:0575 49' * 0"48 ' <430 73 86 46586 ;57.205 49 "8<' 73 07 40D .20 @085 83.05 .20 DOG .25790C09.' 73 #7CA"A6 ABA6.A6 ;@ D78=05 ' <24=2 :A.' 89 09D .7 .20 #7C89 0C:450 49' .20 <06.* ^ 20 8;7?0 850 3A5.205 97.4=0D' A9D05 .2045 506:0=.4?0 208D6*Q

& # # * 1 246 "0B09D' 8: : 0856 79 8 "85B0' ;5866 73 8A6.498 609475 ' 6.5A=F 83.05 205 D08.2 , N# 20 7;?0560 ;0856 .20 "0B09D <4.2 205 : 75.584.* 1 20 50G ?0560 M86 49 .20 8;7?0 =A.N ' 286 375 4.6 .@:0 .20 D0=0860D' 0C:5066 6.89D49B ' A9D05 .20 34BA50 89D' <4.2 .20 8..54;A.06 73 ' 5 98C0"@/ 27"D49B 8 .75=2 ' 89D' =856 73 =7C* 1 20 68C0 0:4B58:2 46 50:08.0D' 79 .20 =7496 73 8A6.498

208DED5066 A6A8""@ <759 ; @ "8D406 73 .2045 .4C0 8AD <24=2 86 46 .20 =860 49 7A5 7<9 D8@ <86 7:09 .7 .20 =289B0 89D =8:54=0 73 3862479 89D 6A6=0:.4;"0 73 89 493494.0 ?8540.@ 73

9 .2045 =7960=58.479 C0D8"6 .20 208D6 73 .20 850 =7?050D <4.2 8 ?04"/ 0I8C:"06 73 <24=2 8::085 49 ;7.2 .20 8A6.4900 8"67 49 7C98 4068 8A"498 854948A8 9 =7496 73 7C89 D40 7C98 <86 .20 3456.' <2760 208D M:"8=0D 7?05 8 =506=09.' C779N <86 7490D .7 .200 58D48.0D 208D 73 0?05A6 205 2A6;89D 86 6009 49 .20 C49.' 73 .28.' 0C:0575 M49 .20 @085 0A =a[[' > >N 20 68C0 =A6.7C <86 =79.49A0D .7 .20 504B9 73 47=":0.489 89D .209=0 D7<9<85D6 .7 8 CA=2 "7<05 :0547D 73 .20 0C:450

8 27"4D8@6 496.4.A.0D ;@ .20 098.0 89D 07:"0 .7 =0"0;58.0 .20 50.A59 73 ABA6.A6 .7 #7C0*1 00 zIB # WW &*

75 .20 C:0575L6 <508.2*1 00

& 1 9 B7"D 64"?05 89D C4DG D"0 ;5866 73 858=8""8 .246 "0B09D 46 8==7CG :8940D ;@ .20 .@:0 73 .28.' :549=0 89D .20 0CG :0575 0?05A6 64..49B .7B0.205 79 89 06.58D0 ;7.2 ="7.20D 49 .20 .7B8 79 790 64D0 46 8 "4=.75 <4.2 8 57D 79 .20 7.205 8 .7B8.0D 34BA50*

246 =749 M73 <24=2 2=" 49 246 A:"0C09.' .7 84""89.' 286 B4?09 89 09B58?49BN :50605?06 .20 C0C75@ 73 .20 =796A"624:' <24=2 858=8""8 605?0D 86 .20 =7""08BA0 73 246 38.205 9?06.0D <4.2 .246 D4B94.@ .20 .<7 0C:05756 <09.' 49.7 B@:.' 989D .209=0 50.A5949B .7 #7C0 .20 679 .77F 48A.4""8 .7 <430 2050 46 8 64C4G "85 "0B09D 89D .@:0 ;A.' 79 C4DD"0 ;5866 49 .20 C49.' 73 0?05A6*

! ; 1 8AB2.05 73 .20 CG :0575*1 00 - 8

! 1 79 73 .20 C:0575 1 00)

\W*1 246 8:.0856 79 .20 64"?05 89D ;5866 C0D8"6 73 8A6.498 A9475 620 ;049B .20 D8AB2.05 73 9.7949A6 4A6*

#* * &*EEEEE 9 8 3456. ;5866 73 057 208549B .246 "0B09D .20 50?0560 .@:0 50:50609.6 8 C854.4C0 :75. 20 C:0575 "8AD4A6 28D =8A60D 67C0 4CC0960 <75F6 .7 ;0 =796.5A=.0D 8.' 6.48 8 .7<9 64.A8.0 8.' .20 C7A.2 73 .20 4;05 ;A.' 057 8:.0856 ;@ .246 C0D8" .7 28?0 866AC0D 8"" .20 2797A5 73 28?49B 0I0G =A.0D .20C*1 00 # *

& # *EEEE @ .246 .4."0) 86 <0"" 86 . 46 D097C498.0D 79 =7496 73 58 89*1 #86=20*

& * * * <4.249 8 =57<9 73 78F "08?06 79 60=79D ;5866 73 ABA6.A6*1 00 1) F

& #* 3 .20 C:05756 6 49 75 75 =*

& *1E 246 <86 .20 6A598C0 <24=2 49 .20 @085 A =* > MI> ;0375 .20 2546.489 6058N .20 098.0 73 #7C0 49 4.6 7<9 98C0 89D 49 .28.' 73 .20 :07:"0 =7930550D 79 =.8?4A6 75 =.8?48AA6 .20 8D7:.0D 679 89D 2045 73 KA"4A6 8z685 86 89 8=F97<"0DBC09.' 73 .20 605?4=06

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,*1 1 479 8664A6 49 246 246.75@ 73 .20 #7C89 C:05756 9o "444 ~ , N 50C85F6 .28.' ML0685 =.8?489A6 ee83.05 .20 34D34"C09.' 73 .20 :57C4606 20 28D C8D0 866AC0D .20 98C0 73 8. .20 D0645O 73 .20 098.0 89D .20 07:"0 75 86 .20@ 28D D0.05C490D 79 D46.49B4346249B 24C ;@ 67C0 :0=A"485 8::0""8.479 89D <050 =7C:8549B .20 C054.6 73 60?058" 60685 .'47AB2 24C60"3 ?05@ 8C;4.47A6 73 .20 98C0 73 #7CA"A6 6.4"" 79 349D49B .28.' 20 <86 357C 4.=45=AC6.89=0 6A6:0=.0D 73 84C49B 8.' ; 7 D4B94.@ B8?0 4.' A:' 89D <86 6.@"0D 86 43 20 <050 8 ;049B 6A:05475 .7 .20 C75.8 58=0 75 8"" .249B6 ^8C79B .20 #7C896 <24=2 850 =79G 64D050D C76.' 2797A58;"0 89D C76.' 68=50D 850 =8""0D M ABA6.8N 89D 79 .246 8==7A9.' .20 &500F6 509D050D .20 <75D & ;@ > > >' 75 "0

%!' 20 68C0 0?09.' 46 .2A6 50=75D0D ;@ A0.794A6/ T 0 .209 866AC0D .20 98C0 73 80685 89D 83.05<85D6 .20 =7B97C09 73 D & '[.20 790 49 8==75D89=0 <4.2 .20 <4"" 73 246 A9="0 .20 7.205 8.' .20 6ABB06.479 73 A98E .4A6 "89=A6 75 <24"6.' 67C0 <050 73 7:49479 .28.' 20 627A"D ;0 =8""0D 6 86 .27AB2 24C60"3 .20 37A9D05 73 .20 =4.0 4.' <86 D0.05C490D .28.' .20 .4."0 73 & 627A"D 49 :5030509=0 20 B4?09 24C 1 8 .4."0 97.' 79"@ 97?0"' ;A.' 8"67 C750 D4B94340D 4986CA=2 86 D8=06 D0D4=8.0D .7 50"4B47A6 :A5:7606 89D 49 <24=2 89@.249B 46

, H & *

=7960=58.0D' ;@' D4?498.479 ' 850' =8""0D' ' V' V V 0""MWAH 8"67' 6"4B2."@' 8""AD06' .7' .20 6A ; 0=./ T' 20' #7C89' 6.89D85D6' <050' 609.' ;8=F' ;@' .20' 85.2489' ' 49B' .7' ABA6.A6 ' 8' .4."0" =7930550D' 79' 24C' ; @' .20' A94?0568"' =79609.' 73' .20' 098.0' 89D' 07 :"0' 73' #7C0 ' 79' .20' C7.479' 73' "89=A6*U' 9D' "86."@' 0967549A6/ T' 57C .20' D8@' ;03750' .20' , .2' 73' .20' =8"09D6' 73' 0 ;5A85@' ' ' + ' . ' ! ' M#' 0#' 679' 73' .20' 4?490' KA"4A6N ' 79' .20' C7.479' 73' # A98.4A6' "89=A6 ' <86' =8""0D' ABA6.A6' ;@' .20' 098.0' 89D' 506.' 73' .20' =4.4\096 ' 49' 246' 7<9' 60?09.2' =796A"8.0 ' 89D' .20' .245D' =796A"8.0' 73' # 4:6894A6' B54: :8*1 57C' .2060' .06.4C79406 ' C8@' ;0' B8.2050D' .20' 754B49' 89D' =8A60' 73' .20' .4."0' 73' ABA6.A6* >#' 1 :' $ ' ' 3 $' ' & 1 57C' .20' 8A.2756' 8;7?0' SA7.0D ' .20' 0I :"898.479' 73' .20' 0 :4.20.' 46' 7;.8490D ' ;7.2' 49' .20' 8.49' 375C ' & ' 89D' 49' .28.' 73' .20' &500F' > > >#' 9D' .7' .20C' C8@' ;0' 8DD0D' .20' .06.4C79@' 73' ?4D' "! ' ' ?#' aN*

89=.8' ?7=89.' 89B96.8' :8.506 ' 89BA6.8' ?7=89.A5' 0C :"8 ' 68=05D7.AC' 54. ' D4=8.8' C899*

^ 20' 8.2056' M#' 0#' .20' 092.0N' =8""' 8""' 68=50D' .249B6' ' .0C :"06' .77 ' 43' DA"@' =7960=58.0D' ;@' 68=05D7.8#' 289D6 ' 850' 6.@"0D'

"67' 7C :04A6' 06.A6' " ' % ' 8AE' 689486' "4F0<460' M4#' 444#' =#' >N ' 68@6 ' T' 46' 98C0' <86' ABA6.A6 ' <2#=2' 49' .20' &500F' "89BA8B0' 46' 0SA4?8"09.' .7' > > >' ") 7*1 ' .' 8' "8.05' :0547D' 4.' <86' 0557907A6"@' 6A: :760D' .28.' .20' 98C0' ABA6.A6' <86' D054?0D' 357C' 897.205' 577.' 98C0"@' ' ' .7' 49G =50860#' 6' 50B85D6' .20' =2858=.05' 73' .246' S: :0 8E' .479 ' 4.' 46' 6A334=409."@' 0?4D09.' 357C' .2.0' .06.4G C7940 6' 8DDA=0D' .28.' 4.' <86' =7930550D' A:79' =.8?489A6' 375' 97' 7.205' 508679' .289' .28.' <2#=2' 7:058.0D' 49' B4?49B' .20' 98C0' 0 ' .7' 89G "4A6' ' .7' A#' 7C :04A6' # ' .7' 0.0 A6' =#' 98C0"@' 79' 8==7A9.' 73' .2045' 0C4909.' 605G ?4=06*U' 0

H#' (' ' ' $' ' 1 6' .20' :76.054.@' 73' 89"4A6' 89D' 7.2056' 8D7 :.0D' 86' 73' 2050D4.85@' 54B2. ' .20' 68C0' 506 :0=.4?0' 8 :0"8.4796' 67' .20' 38944"@' 73' =.8E' ?48AA6' 8=SA450D' 8' ="84C' .7' .20' 98C0' 73' ABA6.A6 ' (4.2' :57 :540.@' .20503750' 97.' 79"@' D4D' 4;054A6' 866ACO' .20' 98C0' 73' ABA6.A6' 83.05' 246' 8D7 :.8.4?0' 38.205L6' D08.2' ; A.' 246' <4D7<' 4?48' 8"67' 8D7 :.0D' ;@' .20' <4 ' 73' 205' D0=0860D' 2A6 ;89D' 6A=:00D0D' .7' .20' .4."06' - ' 89D' :' 89D' 8496' .77' M=8 0D' 8;BA"8N' ;049B' ;@' 8D7 :.479' .20' B589D679' 73' 4;054A6' 9D' 4.' <86' 375' .246' 508679' .28.' A0.794A6' 286' 97.' 2064.8.0D'.7' D064B98.0' .20' .4."0' 73' ' 86' 3

7.' "79B' 83.05<85D6' .246' 98C0' <86' 8 : :57G :548.0D' .7' .2760' <27' 28D' 97' 2050D4.85@' 54B2.' .7' 4. ' 89D' 8"4BA"8' <86' .20' 3456.' .7' 60.' .20' 018C :"0' ;@' B4?49B' .20' .4."0' 73' ' ') ' B589DC7.205' 9.7948 ' <27' <%86' 904.8345 ;@ ;"77D' 975' ;@' 8D7 :.479 ' =7990=.0D' <4.2' .20' 60685489' 38C4"@#' "8AD4A6' "4F0<460 ' <4.2' 86' "4.."0' :50G .096479 ' 79' 246' 0"0?8.479' .7' .20' 0C :450 ' 83.05' .20' D08.2' 73' 8"4BA"8 ' 866AC0D' .20' .4."0' 97.' 79"@' 73' 40685 ' ;8.' 73' ABA6.A6 ' 89D' .246' 018C :"0' <86

& *

37""7<0D' ;@' 8 ' 246' 6A==066756#' 75' 97.' C050"@' D4D' 8 ' 4CC0D48.0"@' 79' .2045' 8==066479 ' 866AC0' .20' .4."0' M 4.0 4A6' 8"790' 620<49B' 8' .0C :7585@' D4649="498.479' .7' 4.N ' ;A.' .20@' 49' "4F0' C89905' D4B94340D' .2045' <4?06#' M 00' .20' 85.4="0' & ' :' a N#' "8AD4A6' <86' .20' 3456.' M.27AB2' .85D4"@' 89D' 50"A=.89."@N ' .7' 8""7<' 73' 4.6' ;049B' =7930550D' 79' 0668"498#' 9D' 8' 6.4"" C750' 6A5 :54649B' =45G =AC6.89=0' 6A ;60SA09."@' 7==A550D ' ?4\#' .20' ;0G 6.7<8#' 73' .20' .4D0' 73' ' 79' 7C4.0 8' <430' 73' 06 :86489 ' .27AB2' 620' D40D' ;03750' 205' 2A6 ;89D' ;0=8C0' C :0575' M 06 :86489' 24C60"3 ' 75' 246' 67A' 4.A6 ' 8=.49B' 49' .20' C8..05N ' 49' 75D05#' .28.' 904.205' .20' <430 ' 975' .20' C7.205 ' 73' 8' 504B949B' :549=0' C4B2.' ;0' =7C :0""0D' .7' :866' 205' .4C0' T' 8C79B' 'C8906' $+ ' ' I# 30049B' .209 ' 0?09' A9D05' 8"4BA"8 ' .28.' 20' SA8"4.@' 73' .20' .4."0' ' <86' =289B0D ' .20' 50C85F' 73' "0189D05' 0?05A6 ' SA7.0D' ;@' 8CE' :54D4A6 ' 46' 8' A6.' 790/ '+ '+ ' ' ' + ' ' ' 7 ' ' ' '0 ' + ' '7 ' ' 1 T' 20' 3456.' ABA6.86' 46' .20' 3456.' 37A9D05' M75' 3456.' 49=508605N' 73' .20' 0C :450 ' 89D' ' $')3' ' F49D' 73' 8D7 :.479 ' 75' 2050D4.85@' 54B2. ' <0' 8""' 6A==00D' .7' 246' 98C0*U

* 1 ' ' ' $' $ ' ' ' '+ & 1 90' 73' .20' 7.205' =2858=.0546.4=6' 73' .20' 8;7?0' .4."0' <86' .28.' 4.' 4C :85.0D' .7' 24C' 79' <27C' 4.' <86' =7930550D' .20' C76.' 018".0D' 2797A5' ;A.' 97' 8==066479' 73' :7<05#' 479' 90' 444#' ' , N' 8B849' "08590D"@' 0I :"8496' .246' :749./ T 75' .20' 8: :0"".8.4796' ' ' ' 8DD0D' 97.249B' .7' .20' 49.54964=' :7<05' 73' .20' 0C :05756#' .' <86' ;@' .20' 375C05' .28.' .2045' D06=09.' 357C' 8' =05.849' 58=0' <86' 49D4=8.0D' ' ;@' .20' "8..05 ' .2045' 4 A6.547A6' 589F*U' 9D' .20' 508679' 73' .246' =45G =AC6.89=0' 46' .28.' .20' 7334=06' 73' + ' 89D' ! $ ' ' 7490D' .7' 89D' C05B0D' 49' .20' 54;A98.0' 89D' .20' 57=796A"8.0' B8?0' .20C' :766066479' 49' 0330=.' 73' A94?0568#' :7<05' <24"0' .20' 6A :50C0' .4."0' 73' ' 620<0D' .28.' .246' 8==ACA"8.0D' 8A.2754.@' <86' ?06.0D' 49' 790' 49D4?4G DA8"#' 20' =7960SA09=0' 73' .246' <86' .28.' "77FG 49B' .7' B09058"' 06.4C8.479' 89D' .20' C8 06.@' 73' .20' 0C :450' <0' 349D' .28.' .20' <75"D' 4.60"3' 28D' 97.' .20' .4."0' .7' 0124;4.' <24=2' =7A"D' ?40' 49' B589G D0A5' 89D' D4B94.@' <4.2' .28.' 73' ABA6.A6' 89D' .28.' A9. '4.' <86' ;06.7<0D' .20' :4998="0' 73' B508.G 9066' <86' @0.' A98..8490D#' 2050' <050' 0C :05756' <27' =7930550D' .20' .4."0' 73' ' ' 89D' 8"67' 73' + ' 79' .2045' 6796' 86' D4D' 06 :86489' 79' 4.A6' 89D' 8D5489' 79' 9.7949A6#' 20@' <050' 27<0?05' 06.00C0D' 86' 73' .20' 60=79D' 589F#' A.' 49' =8606' <2050' :549=06' =7930550D' A:79' 7.2056' .20' .4."0' 73' ' 86' #' A50"4A6' D4D' 79' 246' ;57.205' #' 05A6' 89D' 83.05<85D6' 79' 246' 679' 7CC7DA6' .2760' :056796' <050' =7964D050D' .7' 28?0' 8..8490D' .20' 24B206.' D4B94.@' 89D' .7' 28?0' ;0G =7C0' 6285056' 89D' =7""08BA06' 73' .20' B7?059C09.' 49' 2797A5' "4.."0' 49305475' .7' .2760' <27' .2A6' 0"0G ?8.0D' .20C' 89D' .28.' .77' 49' =7960SA09=0' 73' .20' 67A5=0' <209=0' .20' D46.49=.479' <86' D054?0D#' 0?05G .20"066' .28.' .20' .4."0' 73' ' 8DD0D' D4BG 94.@' <4.27A.' :7<05' .7' 4.6' :76606675' 46' :"849' 357C' .20' ?05@' 38=.' .28.' .20' 0C :05756' 2064.8.0D' 97.' .7' =79305' 8' 64C4"85' 97C498"' D46.49=.479' 79

.2045' <4?06' 89D' 7.205' 30C8"06' =7990=.0D' 75' :50.09D0D' .7' ;0' =7990=.0D' <4.2' .20' 27A60' 73' 80685' 7?05"77F49B' 8 ' .2760' <27' 09 7@0D' 508#' :7<05' ;0=8A60' 4.' <86' .20' :7"4=@' 73' 89=409.' #7C0' 8.' 8#' .4C06' .7' 0I="AD0' <7C09' 357C' 89@' :85.4=4:8.479' 49' .20' =79DA=.' 73' :A;"4=' 8338456*

[# 1 C($ ' + ' $ ' 1 57C' .20' 085"406.' :0547D' 73' .20' 0C:450' 8' 649B"0' 49D4?4DA8#" 79"@' 28D' ;009' D46G .49BA4620D' 8.' 790' 89D' .20' 68C0' .4C0' ;@' .20' .4."0' 73' ABA6.A6' ;A.' .20' C4DD"0' 73' .20' 60=79D' 4C:0548#" 8B0' 68<' & ' 58460D' 64CA".8907A6"@' Z7' .246' 0C4909=0 1 ?4\# # A50"4A6' 89D' # 0596' 89D' 6275."@' 83.05<85D6' M79' .20' D08.2' 73' 05A6N' # A50"4A6' 89D' 246' 679' 7CC7DA6#' 7.' CA=2' "8.05' 0?05A6' 37""7<0D' .246' :50=0D09.' 8667=48.49B' <4.2' 24C60"3' 246' 67A' 79.7949A6' =7CG C79"@' =8""04' 858=8 8' 89D' .7<85D6' .20' 09D' 73' 246' "430' 246' 7.205' 679' &0.8# 7' .28.' #7C0' 28D' 8.' .28.' .4C0' M8;7A.' ' ' > aN' 4.6' ' 9BA6.{' 8' =45=AC6.89=0' <24=2' 28D' 90?05' ;03750' 28:: 090D#' .' 8' 6A;60SA09.' :0547D' C89@' 01G 8C:"06' 73' .246' 01.0964?9' 73' .20' 2797A5' <050' <4.G 90660D#' A.' 4.' <4""' ;0' 86F0D' <28.' <86' .20' 50G "8.4?0' :7<05' 75' D4B94.@' 73' .20' 506:0=.4?0' ;0850560 73' .20' .4."0z' 2060' M896=056' =F20"N' ?8540D' <4.2' =45=AC6.89=06#' .' 46' 97.' .7' 20' D7A;.0D' .28.' 20' <27' 8..8=20D' .7' 24C60"3' 8' =7""08BA0' <20.205' 246' 67A' 75' 246' ;57.205' 75' 790' 97.' 50"8.0D' .7' 24C' 28D' .20' :50=0C4909=0' 49' 589F' 89D' 49' C76.' 496.89=06' 49' 8A.2754.@' 8"67#' .' 46' 0SA8""@' =05.849' .28.' 49' ;7.2' .2060' :85.4=A"856' 38.2056' <050' 6A:0G 5475' .7' 6796' 86' 0?05A6' .7' 858=8 8' 89D' &0.8# &508.05' 2797A5' <86' 8"67' :84D' .7' A50"4A6' .289' .7' 246' 8D7:.0D' ;57.205' # 05A6' <27C' 20' 0"0?8.0D' .7' 8' 62850' 49' .20' B7?059C09.' 89D' 375' .20' "4F0' 508679' 47="0.489' 20"D' 8' 24B205' 589F' .289' 8I4C489*1 858=8 8' 09 7@0D' B508.05' D4B94.@' .289' 2460@7A9B05' ;57.205' &0.8' 97.<4.2G 6.89D49B' .20' <462' 73' .2045' 38.205' 0?05A6' .28.' .20@' 627A"D' 504B9' <4.2' 0SA8#:7<05# 75' 858G =8 8' 28D' .20' 8D?89.8B0' 49' :749.' 73' 8B0' 89D' "4F0' 1 <460' 79' 8=7A9.' 73' .20' 9AC;05' 73' @0856' DA549B' <24=2' 20' 28D' ;7590' .20' .4."0' 73' ABA6.A6/ 20' <86' 3064D06' 8"790' D46.49BA620D' ;@' .20' 79.434=8.0# 9' .20' =860' 73' 8";49A6' 89D' A:409A6' 9790' 73' .2060' 5086796:50?84"0D' 375' .20@' <050' ;7.2' =8 0D' .7' .20' ;08D' 73' 8338456' ;@' .20' 098.0' 49' =7960SA09=0' 73' .20' D4334=A".406' 73' .20' .8.0# 28.' ;7D@' .20503750' =7930550D' A:79' ;7.2' 0SA8" D4BG 94.@' 89D' 8A.2754.@' 89D' D0:85.49B' 357C' .20' 24.205.7' 49?8548;"0' =A6.7C' B8?0' .7' ;7.2' .20' 734=0' 73' 79.430I' 8I4CA6' "06.' .20' 09?@' 73' 04.205' 627A"D' ;0' 0I=4.0D' .7<85D6' .20' 7.205*

(1$' & ' ' ' ' ' ' ' ' & ' ' ' ' ? 1 57C' .20' 504B9' 73' 47="0.489' .2050' <050' =796.89."@' C750' .289' 790' ABA6.A6' 8.' .20' 68C0' .4C0# 9D' .20' 806856' =7990=.0D' <4.2' 08=2' 7.205' ;@' 97' .406' 73' =79689BA494.@' 5A"0D' 08=2' 7?05' 246' 7<9' :57G ?49=0' 79' 6A=2' .05C6' .28.' 904.205' D0:09D0D' 79' .20' 7.205# ".27AB2' .20@' :7660660D' 0SA8"' :7<05' @0.' 49' D4B94.@' .20@' <050' D46.49=.' 357C' 08=2' 7.205 0'86' .246' <86' 4C:85.0D' ;@' .20' "09B.2' 73' .4C0' DA549B' <24=2' 08=2' 73' .2760' .4."06' 28D' ;009' 20"D' ;@' 89' 49D4?4DA8"# 28.' 49D4?4DA8# ABA6.A6' .20503750' 09 7@0D' .20' 3456.' :764.479' <27' 28D

3456.' 50=04?0D' .20' .4."0' 89D' .20' "4F0' A68B0' :50G ?84"0D' 49' .20' =860' 73' 8' 80685# .' 46' 79' .246' :549=4:"0' .28.' 47="0.489' 46' 6.@"0D' 49' A60;4A6' V20' <27' ;7.2' 49' 2797A5' 89D' 49' :764.479' 20"D' .20' 3456.' :"8=0*U' 796.89.490' 46' 6.8.0D' ;@' .20' 68C0' 8A.275' .7' 28?0' 6.77D' 6A:05475' .7' 4=494A6' TY;7.2' 49' 2797A5' 89D' 49' 589F*U' AC057A6' 496.89=06' C8@' ;0' 37A9D' <4.249' .28.' :0547D' 73' D46:A.06' 854649B' 357C' .246' C7D0' 73' .8F49B' :50G =0D09=0# (209' 796.89.490' .20' &508.' 49375C0D' 8I4C48996' .28.' 79' .20' D08.2' 73' 246' 38.205' ^ 796.89.496' 2"75A6' ' 'H i' 20' 28D' 50=04?0D' .20' .4."0' 73' ABA6.A6' 357C' .20' 85C@' .20' "8..05' 30".' 8BB540?0D' 89D' 8==75D49B' .7' 8=.89.4A6' ' ' & ' + $ ' =# >[N T' D0.05C490D' 79' 98C49B' M # 8""N' 0?05A6' .20' 0"D05' ;@' ;45.2' ABA6.A6' <24"6.' 20' =7CC89D0D' .28.' 796.89.490' 627A"D' 97.' ;0' 6.@"0D' + 'M<24=2' 20' 28D' ;009' =508.0DN' ;A.' ' 49' =79 A9=.479' <4.2' 8I4C49A6' M 8\8N' 49' 75D05' .7' D0B58D0' 796.89.490' 357C' .20' 60=79D' :76.' 73' 2797A5' .7' .20' 37A5.2*U' ^ 75' 7.205' 496.89=06' 73' .20' 08"7A6@' 89D' D46609479' =8A60D' ;@' .246' ="86249B' 73' ="84C6' .7' D4B94.@' 89D' :50E0C4909=0' 5030509=0' C8@' <4.2' B508.' 8DG ?89.8B0' ;0' 28D' .7' =F20 6' 3346605.8.479' 79' .20' 4C:0548"' =7496' 73' .20' "7<05' 0C:450' 89D' 8"67' .7' .20' 49.0""4B09.' 7;605?8.4796' 73' 4C85D' D0' "8' 86.40' 79' .20' 68C0' 6A;0=.*Q

('+ 3' $' ' &' *1' 6' 8"508D@620<9' 49' :# a[' 73' .246' D4=.47985@1' <209' .2050' <050' .<7' 0C:05756' 8.' .20' 68C0' .4C0' .20' 38=.' <86' :749.0D' 7A.' ;@' .20' 496=54:.479' &7+' 8' =A6.7C' <24=2' 79' =7496' 8."086.' =7CG C09=0D' A9D05' # 0?05A6' 4.' ;049B' A6A8"' 49' .28.' 0C:0575L6' C49.' 83.05' 20' 28D' 8667=48.0D' 858G =8 8' <4.2' 24C60"3' 49' .20E 6A:50C0' B7?059C09.' .7' A60' .20" "0B09D6' ' && 1?4 # && ' =# 9D' ;@' 8' 64C4"85' CA".4:"4=8.479' 73' .20' 68C0' "0..05' && ' D097.0D' 8' =7 08BA0624:' 73' ' ABA6.4* # 1 ')3' 1 .' 46' .7' ;0' 7;G 605?0D' 27<0?05' .28.' 0?09' .20' 679' 73' 89' 0CG :0575' .27AB2' 79"@' 70685' <86' 9@' 8667=48.479' <4.2' 246' 38.205' <27' <86' ABA6.A6' 8"67' =8""0D' ;@' .28.' .4."0' 86' 49' .20' =860' 73' 8I4CA6' ' .2050' 46' 74' 8" "85B0' ;5866' =749' 6! ! ' ')4 ' & 4' & 4=4* 1 9D' .246' =45G =AC6.89=0' 46' 6.4""' C750' ="085"@' 4""A6.58.0D' 79' 8' C85;"0' :A;"4620D' ;@' :79' ;08549B' .20' 37""7<G 49B' 496=54:.479/1 (2<' o '! #' '" 3' ' &&# ' ' ' # 246' C85;"0' <86' 050=.0D' 49' .20' @085' =*=# a' 9 '>H N' 86' 8:G :0856' 357C' .20' 8DD4.479' 73' # ++ ' ' ' ' M 24"4:.A6' 609475' 89D' KA94A6' 4.489A6' ;049B' =796A"6N' 49' <24=2' @085' 27<0?05' .20' @7A9B05' 24"4:' <86' =05.849"@' 97.' @0.' ABA6.A6' 89D' @0.' .20' C79AC09.' 0I24;4.6' .20' "0..056' && ' 28.' 46' .7' 68@' .2050' <050' & ' ABA6.4')3' ' ' 20' :50?8"09=0' 73' .246' =A6.7C' 46' 0I' 0C:"4340D' 79' .20' 506:0=.4?0' =7496' 73' 48DAC094' 89A6' 8I4CA6' 0.54=A6' .20' @7A9B05' 8549A6' 89D' 7.2056# .' 46' CA=2' C750' 6A5:54649B' .28.' .20' .4."0' 73' + ' <86' 49' .20' 68C0' C89905' 62850D' ;@' .20' & $ ' 73' 8' 504B949B' :549=0# A.' ' 89' 0I.5875D4985@' 308.A50' 73' .20' ' $ '46' B4?09' .7' A6' ;@' 833=4' 357C' 89' 354=89

& *

6A:50C0' B7?059C09. 1 37""7<0D' .<7' @0856' 83.05G <85D6 ' 357C' .20' 68C0' 8A.2754.@ ' ;@ .20' 6A598C0' 73' & ' M600' 97.4=0' 7A' .28.' <75D ' :# , ,' 73' .246' D4=.47985@N*

& # , [

"4A6 ' ;0854 9B' 79' 7A0' 64D0' 8' 58D48.0D' 208 ' <24=2 ' 43' 97.' .28.'?73' ABA6.A6' M.7' <2760' : 2@647B97C@' 4.' 286' 8' :8":8;"0' 5060C;"89=0N ' <86' :57;8;"@' C089.' 375' .28.' 73' .20' A9 ' 86' 8""A64?0' .7' .20' 86. ' 89D' 7A' .20' 7.205' #' & ' & J3' # @4< ' 20' .@ :0' 8' 85.2489' 7A' 246' F9006 ' 7330549B' 8' C4"4.85@' 0964B9*

!' 9.20' @085' 73' #7C0' > ' 9$ ' - ' > N' 20' <86' 796A"' 375' .20'# 64I.2' .4C0 ' <4.2' 246' 679' 49' "8< ' 85=A65' B5 : : 8 ' 375'246' =7""08BA0'# ' D0AC4A6' <24=2' :5060A46' 8' .490E' 208D' 73' B54 : : 8' 79' 4.6' 7;?0560 ' <4.2' .20E208D' 73' ABA6.A6' 79' .20' 7.205' 64D0 ' <86' E6.5A=F' 79' .28.' 7==86479 ' ;@' "8.7549A6'# 20' "0B09D' 73'.20' 7;?0560' 46' # 0 * ! ' ! ! ! ! * ' ' < ((' D8.0 ' <24=2' 2085' .20' 04AB58:2' 73' ! ' 1 < 1 1 1 V 20' 8;7?0' =A.' 46' =7:40D' 357C' 89' A9A6A8 @' <0""E:50605?0D' 6:0=4C09' 73' 8' =749 ' 97' "066' ?8"A8;"0' 375' 4.6' 246.754=8"' 49.0506.' .289' 86' 8' 9AC464 8.4=' 5854.@* 1 00' $X ++ ' :# > * 4 (1 00' :# *

20' 68C0' @085' 20' =8A60D' .20' SA49SA09948"' =050C79@' 73' A6.58"' 68054.4=06' 89D' :A5B8.4796' .7' 20' :05375C0D ' =85540D' C89@' "8< 6 ' 8D7590D' .20' =4.@' <4.2' ;A4"D49B6 ' 89D' 50:8450D' .20' :A;"4=' 578D6#' 246' @085' 8"67' .20' 796A"6 .77F' .20' =09G 6A6 ' 8.' <24=2' .20' =4.4\096' 9AC ;050D' , * > ' 9$:=# > N* 1 049B' .20' @085' 73' ABA6.A6L6 0I:0D4.479' 49.7' :849' 8B8496.' .20' 89.8;54896' 89D' 6.A5486' .20' B8.06' 73' .20' 0C:"0' 73' K89A6' <050' 50E7:090D*

H ' 9$ ' - ' > N* 1 57C' :849' 20' 50.A590D' .7' #7C0# 9D' 4.' 46' .7' .20' 6A==00D49B' @085' .28.' .20' =7496' 850' 8664B90D' 79' <24=2' <0' 508D' .20' D8.0' 73' .20' 54;A94.48A' 7<05' 9 * ! $! ! ' (2 A' 8<8F0D' .7' 24C' ;@ .20' 098.0 1 T' 8' D4B94.@ U' 68@6' 4""49 ' T' .28.'50=8""0D' .7' C49D' .20' 24B2' =7A64D058.479' 49' <24=2' .20' 54;A906' 73' .20' 07:"0' ") ' !) % <050' 375C05"@' 20"D ' A9D05' .20' 50:A;"4=' 89D' <24=2' 8".27AB2' 97.' 89' 2797A5' 73' .20' 3456.' 75D05' <86' 8"67' 866AC0D' ;@' .20' 6A==066756' 73' ABA6.A6 ' ;0=8A60' 4.' <7A"D' 28?0' B4?09' .77' CA=2' 8A.2754.@' .7' 64C:"0' =4.4\096*U' 246' .4."0' 605?06 ' <4.2' =05.849' 0I=0:.4796 ' .7' C85F' .20' @0856' 73' .2045' 504B96* 1 00') ' !

HH' 9$ ' - ' >,N* 1 A549B' .20' 8;609=0' 73' AG BA6.A6' 49' 4=4"@ ' 354B2.3A"' .ACA".6' 85760' 79' 8=G =7A9.' 73' .20' 0"0=.4796' 73' 796A"6"# 0' .20506 3750' 609.' 375' B54 : : 8' 357C' .20' 086.' 89D' 506 SA4549B' 24C' .7' D4?75=0' 246' <430' B8?0' 24C' 246' 7<9' D8AB2.05' KA"48 ' .20' <4D7<' 73' 85=0""A6 ' 49' C85548B0# 20' :50609=0' 73' B54 : : 8' SA0""0D' .20' D46.A5;89=06' 8.' #7C0# 57C' 4=4"@ ' ABA6.A6' ?464.0D' &500=0' .209=0' 20' :57=00D0D' .7' 8C76 ' <2050' 20' :8660D' .20' <49.05

TI\' 9$ ' =# > N* 1 57C' 8C76' 20' <09.' 49.7' .20' :57E=796A"85' :57?49=0' 73' 648 ' 89D' .209=0' ?464.0D' @548 ' 50=04?0D' 357C' 2588.06 ' F49B' 73' 85.248 ' .20' C4"4.85@' 0964B96' "76.' A9D05' 5866A6 ' 89D' .20' :54679056' <27' 28D' 6A5?4?0D' .20' 6"8AB2.05' 73' .20' "0B4796' 49' .28.' 38.8"' 0I:0D4.479 ' 79' <24=2' 7==86479 ' .20' 37""7<49B' D09854A6' <86' 6.5A=F' ;@ 7A0' 73' 246' C790.85@' .54AC?456 ' "75A6' SA4"E 20' 68C0' @085' 4;054A6' <86' 609.' 357C' @548' 49.7' 5C0948 ' <24=2' <4.2' 4.6' F49B' 4B58906 ' 20' ;57AB2.' A9D05' .20' #7C89'?' ?7F0' ' 89D' 246' 6A=G =06606' 850' 50=75D0D' 79' ABA6.A6L6=7496' 73' .246' D8.0 ' <24=2' 2085' .20' 04AB58:2' 73' ! ' 4 (1 00' :# * H[' 9$ ' - ' ,a*EEEE ABA6.A6' 50.A590D' 357C 648' .7' #7C0' 79' <24=2' 7==86479' .20' 3086.6' =8""0D' 83.05' 24C' <050' =0"0;58.0D' .7' 246' 2797A5# 20' 68C0' @085' 246' 679' 49' "8< ' B54 : : 8' 6A: :50660D' 50;0""4796' 49' &8A"' &05C89@' 89D' :849* ' 9$ ' - ' , N*EEEE 9' .246' @085' 20' 8D7:.0D 84A6' 89D' A=4A6' 6796' 73' B54 : : 8' 89D' =0"0G ;58.0D' .20' 0=A"85' &8C0G " ' F * % H # 9$ ' - ' , N* 1 20' 496A550=.47985@' 276.4"4G .406' 73' .20' 4 ' <27' 28D' 7;.8490D' 67C0' 6A==06606' 7?05' D0.8=2C09.6' 73' .20' #7C89' 85C@' A9D05' 7 4A6'49DA=0D' ABA6.A6' .7' C8F0'8' 7A590@' 49.7' &84D# 9D' 8;7A.' .20' 8A.AC9' 73' .20' 8C0' @085' B54 : : 8' 60.' 7A.' 375' .20' 86.# 20' .<7' 37""7<49B' @0856' 68<' .20' 0C:0575' 7==A:40D' <4.2' .20' :056798"' 8DC4946.58.479' 73' 8338456' 49' &8A"' <2050 ' 89D' 49' :849 ' 20' 37A9D0D' 60?058"=7"79406 ' <24"6.' 4;054A6' 89D' 5A6A6';57AB2.' .20' &05C89' 89D' #260.48A' .54;06' 49.7' 6A;0=.479 ' 89D' B54 : : 8' SA0""0D' 496A550=.4796' 49' .20' F49BD7C' 73' ."40' 76:275A6# ,' 9$ ' - ' ,HN* 1 ABA6.A6' 50.A590D' 357C' &8A"' 89D' B54 : : 8' 357C' 648' .7' #7C0' 89D' .20' '# ' <86' 050=.0D' 49' .28.' =4.@ ' ;A.' 97.' D0D4=8.0D' .4""# $ ' a* 1 00' :# H* >' 9$ ' - ' ,>N* 1 20' .4."0' 73' # $ ' 0 ';0B496' <4.2' .246' @085' .7' 8 : : 085' 79' .20' =7496' 73' ABA6.86 ' .20' D08.2' 73' 0:4DA6' .20' :50=0D49B' @085' 28?49B' "03.' .28.' 743=0' ?8=89.# 0' 6A6.8490D' 8' B508.' 89D' 4550:858;"0' "766' 49' .20' D0=0860' 73' .20' ;58?0' B54 : : 8* 1 20' 37""7<49B' @085' 79' 8==7A9.' 73' .20' D46.A5;0D' 6.8.0' 73' 8338456' 49' .0554.75406' ;75D0549B' 79' .20' &8""4=' :57?49=06 ' ABA6.A6' 8B849' .77F' A:' 246' 5064D09=0' 49' .20C# A.' 49' .20' @085' #=# , ' :08=0' ;049B' 506.750D' 49' &05C8948 ' 8"C8.48' 89D' 8A9748 ' 20 ' <4.2' 246' "40A.0989.6 ' 4;054A6' 89D' 5A6A6' 50.A590D' .7' #7C0# 20' "86.' 98C0D' 8;"0' 89D' ?8"489.' =7CC89D05' <86' 609. # =# a ' .7' 5090<' <85' 8B8496.' .20' &05C896* ' 9$ ' - ' N* 1 ABA6.86 ' <27' .20' @085' :50G =0D49B ' 49' =7960SA09=0' 73' .20' D08.2' 73' 5A6A6' 79' .20' ;89F6' 73' .20' 7<05' #2490 ' 37""7<0D' ;@' 8' 35062' 496A550=.479' 73' .20' &05C896' 49' .28.' SA85.05 ' 28D' 79=0' C750 ' 8.4D' 375' .20' "86.' .4C0 ' SA4..0D' #7C0' 375' &8A"' 6.4"" 50C8490D' .2050# 246' @085

."40' C79.2' F 8 ' 28D' 4.6' 98C0' =289B0D' .7' $$ $ 9 ' 49' 2797A5' 73' .20' C : 0575'' 9D' 86' .20' 68?47A5' 73' .20' =4.4\096' 9 $' &! ' * A' .20' 78F09' =57<9' M=75798' SA05=08M' <86' 73.09' 83.05 ' 86' <0"'' 86' ;03750 ' .246' : 0547D ' D0=500D' .7' 24C ' 89D' .@ : 4340D' 79' 246' =7496*

' 9$ ' ~ ' N 1 4 ; 054A6' 8B849' 609.' .7' =7CC89D' 49' .20' &05C89' <85'' 9' 246' 8 ; 609=0 ' 84A6' =0685 =0"0 ; 58.0D' .20' ' ; ' 375' .20' 50.A59' 73' ABA6.A6*

[>' 9$ ' ~ ' >N* 1 ABA6.A6 ' 8.' 7C0 ' 0I24 ; 4.0D' 8' ' 75'50 : 50609.8.479' 73' 8' 98?8'' 09G B8B0C09. ' 89D' 7.205' C8B9434=09.' : A ; "4=' 6 : 0=G .8="06'' "40' D0D4=8.0D' .20' .0C : "0' 73' 856' ".75 ' R?24"6.' .20' 098.0' =8 : : 0D' .20' ="4C8I' 73' .2045' 9DA"8.74@' 27C8B0 ' * ; @' ; 06.7<49B' 79' 24C' .20' .4."0' 73' # ' # ' 1 ?4D ' ?4.2' .20' 8D574.G 9066' 73' 8' =7A5.405 ' 89D' (4.2 C750' .289' .20' A6A8'' .8=.' 73' 8' : 70. ' 8""AD06' .7' .20' 0?09. ' 89D' 8DD4?0660' .20' 7?0504B9' 86' .20' F ' 73' .20' #7C896 / 1

g90.0' 8.05' 8.5480 ' .4 ; 4 "0 ; 6 ' .4 ; { A548' =7C09 7=' D0D4. ' =*

' 9$ ' ~ ' ,N* 1 =F20" ' 8==75D49B' .7' .28' =8"E' 59"8.479' 73' 479@64A6' I4BAA6 ' 98C06' .246' @085' 73' #7C0' 86' .20' 790' 79' <24=2' .77F' : "8=0' .20' C76.' C0C758 ; "0' 89D' 0?05' ; "0660D' 0?09.' 73' 44 ' ' 7' ! ' K ' # L ' !D ! ! s ' * ' $'-

^O O' 6205' 89D' 7.205' 0C4909.' = ; 5797"7B46.6' 50=F79' 4.' .7' 28?0' ; 009' 49' .20' f.2' @085' 73' #7C0*0

># 9 ' ' aN* 1 20' .4C0' 375' =0"0 ; 58.49B' .20' .54AC : 28'' 273"7A56' D0=500D' .7' 4 ; 054A6' 375' 246' ?4=.75406' 7?05' .20' 8"C8.4896' 89D' 899794896' D0305500 ' 79' 8==7A9.' 73' .4D49B6' 50=04?0D' .28.' %A49=.4"4A6' 85A6 ' <4.2' .2500' "0B4796 ' 28D' ; 009' 6"849' ; @' . ; 0' &05C896' A9D05' .2045' =2403' 5C4E' 94A6*' 20' #7C896 ' ; @' .246' 7?05<20"C49B' C46G 375.A90 ' "76.' 8"'' .2045' : 7660664796' 49' &05C89@' 086.' 73' .20' #2490*' 20' B5403' 73' #7C0 ' 89D' .28.' 73' ABA6.A6' 49' : 85.4=4D85 ' <86' ?05@' B508.' 49D00D' 8.' .4"'' 6' 98.4798"'@' 2AC4"48.49B' D4686.05 ' ' ' , ' 4 ; 054A6' 89D' &05C8A4=A6 ' .7' 8?09B0' .20' 6"8A4444.=5 ' C8D0' 89' 8..8=F' 79' .20' &05C896 ' ; A.' 50.A590D' .7' #7C0' .20' 68C0' @085*

' 9 ' ' ,HN* 1 7<' 649F49B' A9D05' .20' .54 : "0' ; A5.209' 73' 8D?89=0D' @0846 ' ; 7D4"@' 49G 345C4.406 ' 89D' D7C06.4=' 4930"4=4.406 ' M246' D8AB2.05' KA"48 ' =79?4=.0D' 73' C89437"D' 8DA".0540 6 ' 28D' ; 009' ; 894620D' .7' .20' 46"89D' 73' 89D8.8548 ' $ ' ~ ' >N' ABA6.A6' 8667=48.0D' 4 ; 054A6' <4.2' 24C' 49' .20' 54 ; A94.489' : 7<05 ' 49' 75D05' .2 8 . * .20' "8..05 ' <27C' 20' 28D' ; 009' 67' 4""E8D?460D' 8*6..7' 8D7 : .' 86' 246' 679' 89D' 6A==06675 ' C4B2.' 62850' <4.2' 24C' .20' B7?059C09.' 73' .20' : 57?49=06*

' 9 ' ' , N* 1 8?49B' 8..8490D' 246' .2' @085 ' ABA6.A6' =8A60D' .20' =096A6' .7' ; 0' 8B849

.8F09 ' <209' .20' =4.4\096' <050' , a ' 9D' 97.C.26.89D49B' 246' 7"D' 8B0 ' 20' C8D0' 8' 7A5G 90@' 49.7' 8C : 8948'' A. ' 8.' 7"8 ' 79' "446' 50G .A59' .7 < 85D6' #7C0' 357C' 8 : "06 ' 20' <86' 604\0D' <4.2' 8' D4675D05' <2=2' : 57?0D' 38.8'' 0' D40D' 79' .20' , a.2' D8@' 73' ABA6.' 46' 50C8496' <050' 49.0550D' 49' .20' C8A67"0AC ' <24=2' 20' 28D' =8A60D' .7' 20' ; A4".' 49' .20' 8C : A6' 85.4A6' 8.' #7C0' 83.05' 246' 28?49B' M49' =79 A9=.479' <4.2' ' 9.7E' 94A6M WA"0D' .20' 50 : A ; "4=' 375' .<0"?0 ' 89D' B7?0590D' 8"790' 86' C : 0575' 375' ' @0856*

9' 496.CC09.' 49' .20' 289D6' 73' 89' 7?05E5A"49B' 57?4D09=0 ' 375' "8@49B' .20' 37A9D8.479' 73' CA94" ; " * 89D' D0=464?0' =289B06' 49' .20' 50"4B47A6' 86' <0"'' 86' 49' .20' 67=48'' =79D4.479' 73' .20' 2AC89' 58=0 1 .246' 0I.5875D4985@' C89 ' 357C' .20' 589F' 73' 8' : 54?8.0' =4.4\09 ' 28D' 6A==00D0D ' ; @' .20' 67A9D9066' 73' 246' : 7"4=@ ' .8F49B' 8D?89.8B0' 73' 0?05@' 38?7A58"4"0' 7 : : 75.A94.@ ' 89D' <4.27A.' ; 049B' 8' B508.' C4"4.85@' =7CC89D05 ' 49' ; 0=7C49B' .20' 208D' 89D' =2403' 73' 89' A94?0568'' C7985=2@'' 7' 677905' : "8=0D' 49' .246' A90I8C : "0D' : 764.479' 73' 6A:50C8=@' .20' <75"D' 8.' : 08=0 ' 89D' 246' B7?059C09.' 345C"@' B57A9D0D ' .289' 20' .27AB2.' 75' 600C0D' .7' .249F ' 79"@' 73' 0338=49B' .20' C0C75@' 73' 246' : 86.' =54C06' ; @' 504B949B' 79' .20' B09058'' : 549=4 : "06' 73' A6.4=0 ' <46D7C ' 89D' ="0C09=@'' #7C0' RZ86' 49G =50860D' 89D' 0C ; 0""4620D' ; @' 246' CA94.4=0A=0 ' 89D' ; @' .28.' 73' .20' 54=2' 89D' 4 A6.547A6' =4.4\096 ' <27' "4F0' 3==0986' 89D' B4I4 : : 8 ' 0CA"8.0D' 246' 0IG 8C : "0 ' ; 7.2' 49' 85=24.0=.A58'' 4C : 57?0C09.6' 89D' 49' .20' 06.8 ; "462C09.' 73' A603A'' 496.4.A.4796*' .' CA6.' ; 0' 8DC4..0D' .28.' 246' 8D7 : .479' ; @' KA"4A6' 00685 ' .20' 6 D54."=6' .0C : 058C09.' 73' 0 : 4DA6' .20' C8D' 37""@' 73' 9.79@' ?4=.4C' .7' 246' 7<9' : 573"4B8.0' 28 ; 4.6' 89D' . ; 0' .508=204@' 73' "07 : 8.58 ' <050' C750' .289' =4.205' C89"@' =7A58B0 ' 75' .5A0' ?45.A0' 73' =2858=.05' 7S' 246' : 85. ' .20' 6.0 : .49B' 6.7906' 89D' 8484"495406 ' ; @' <27 .' 84D' ABA6.A6' 84 4?0D' 8.' .20' 24B206.' 6ACC4.' 73' : 7<05' 0.' 38?7A50D' 86' 20' <86' ; @' =45=AC6.89=06 ' 89D' =57<90D' ; @' 0?04@' 6 : 0=406' 73' .05506.548'' B"75@' ; 0"7?0D' ; @' 246' 6A ; 0=.6 ' 09D0850D' .7' ; 46' 49.4C8.0' 35409D6 ' 89D' : 576 : 057A6' 49' 8' 504B9' 73' A9 : 50G =0D09.0D' DA58.479' 20' <86' 385' 357C' 349D49B' 28 4 : 49066' 49' .20' ; 767C' 73' 246' 38C4"@' 46' <4"0' 4?48' 6.77D' B09058'''@' 8==A60D' 73' 28?49B' 6275.090D' .20' D8@6' 73' .246' B508.' 549=0 ' <27' 28?49B' 97' : 76.054.@' 73' 246' 7<C' 8 : N749.0D' 4 ; 05496' 246' 679' 49' "8< ' 2045' .7' .20' 0C : 450*

6' ABA6.A6' < 46' .20' 37A9D05' 73' .20' 4C : 0548'' B7?059C09.' 73' #7C0' 4.' C8@' 2050' ; 0' : 57 : 05' .7' 50=8 : 4.A"8.0' .20' 0 : 90286' 73' .20' D4""0509.' D4B946' .406' 6A==0664?0"@' ; 06.7<0D' 79' 24C' 89D' <24=2' =796.4.A.0D' .20' A94.0D' : 5057B8.4?06' 73' .28.' C7985=24=8'' 67?0504B9.@' <24=2' <86' .5896C4..0D' ; @' 24C' .7' 246' 6A==066756*' 27g0' D8.06' <4"'' 6=52?0' .7' =2A66' .20' =7496' 73' .246' 0C : 0575 ' 89D' 850' 96' 37""7<' / 1 6' 2045' .7' .20' 98C0' 73' 80685' 49' , ' 9$ ' ~ ' N' 20' =8A60D' "44C6043' .7' ; 0' 97C498.0D' 796A"* 1 9' ' 9$ ~ ' HN ' 54AC?45' G`6 +) ' ' ' K d' <4.2' 9.79@' 89D' 0 : 4DA6*' M 46' 0334B@' 357C' .28.' .4C0' 8 : : 0856' 79' .20' B7"D' 89D' 64"?05' $ ' 73' #7C0 ' ; A.' "8.05' 79' .28.' 73' ; 5866*M' 246' .5444C?44O8.0 ' .27AB2' 4.' "86.0D' ""79B05' .289' A*=* , ' ¤ H i ' =79.49A0D' .7' ; 0' 50=75D0D' 79' 246' =7496' .4"'' $' ~ ' H[* 3.05

C09' 79' <27C' <050' =7930550D' .20' 24B206.' 7334=06' 73' .20' .8.0'# ==75D49B' .7' 06.A6' .246' 38C4"@' <86' 67' =8""0D' 357C' .20' A9/ ;0=8A60' .20' #7C89' :07:"0' :A;"4="@ B E89.0D' 4.'8' :"8=0' 49' <24=2' 68=54C0 3{=06 C4B2.' 20' :05375C0D' .7' .20' A9# .' <86' D46G .49BA4620D' ;@' .20' + ' 73' $:' 89D' ;@' .20' ' 73' ' $ ' 8 $ ' F ' ;7.2' 79' =7496' 89D' ;@' 89=409.' <54.056# 20' ' ' 73.09' 09 7@0D' .20' 2797946 73' .20' 796A"8.0' 73' .20' 09675624:' 89D' 73' .20' 9A59:2' 49' .20' .4C06' 73' .20' 7CC79<08".2' 89D' <86 83.05<85D6' 8667=48.0D' <4.2' C7985=24=8# D4B94.@' 49' .20' :056796' 73' 60?058# 73' .20' C:05756# 47990.' 7A.' 73' , ' ?8540.406' M357C' 750"N B4?06' .20' 37""7<49B' 86' 8' 5844.@' 49' 64"?05/

49B0D' 208D' 73' 8""86' ;0249D' +' MC85F' 73' .20' D09854A6*N' !

6 1 # #' # "=5=A"06' 49' 8' =85' D58<9' ;@' .<7' =09.8A56' 08=2' 27"D49B' 8' ;589=2' 73' 8' .500' ;0"7<' *

=F20"# 68@6' T' ' :50305' =7930669B' C@' 4B9759 89=0' 73' .20' C08949B' 73' .20' 649BA"85' .@:0' 01G 24;4.0D' 79' .20' 50?0560' 73' .246' =749' 58.205' .289' 8?84"# C@60"3' 73' 6A=2' 4550"0?89.' C8..05' 86' .28.' <4.2' <24=2' 67C0' "0859 0D' C09' 28?0' 09D08?7A50D' .7' 01:"849' 4.' 89' 496.89=0' 73' <24=2' C8@' ;0' 37A9D' 49' :8920458# 90' =45W4C6.844=0' 79"@' 8C' ' 49="490D' .7' ;549B' 375<?85D' ?4\# .28.' 8' 64C4"85' .@:0' 0146.6' 79' 8' &500F' C0D8"' <4.2' .20' 496=54:.479' # M<24=2' '86=54;0' .7' 7550A6' 73' :45A6N' 79' <24=2' <0' 600' 79' 790' 64D0' .20' 208D' 73' 05G =A"06' 89D' 79' .20' 7.205' 8' 09.8A5' 5A9949B' ;085G 49B' 8' ;589=2' =7?050D' <4"2' ;055406* 1 % ' ' ' 27"# ¯:# , *N 1 00' ' 1 8"67' ?# ' 75' A50"489 75ACʻ 4?4.86' 97<' 1 ' 49' 589=0# ' =749' 8..54;A.0D' .7' .246' =7"79@' 46' 09B58?0D' 49' .20' 0C;57F0' =7"G "0=.479E M444# # a,' .4B# [N' <4.2' ;850' 208D' 73' 8' <7C89' 89D' o' * o! ' <4.249' 8' =57<9* 1 #86=20* K' '" ' ' '6 -' 2759' 73' 89' 7;6=A50' 38C4"@' 8.' 45C4AC' 49' 89A7948' 75' 49' 8=48' #4:09646' 8;7A.' .20' @085' 73' #7C0' a ' 9 ' ' > N# ' C89' 73' 68B8=4.@' ?8"7A5' 89D' .8"09.' 60?4 ' 0?09' .7' =5A0".@' 20' D46.49BA4620D' 24C60"3' 49' &8A"' A9D05' &75D489A6' 4A6' 9 ' ' > ,N' 8B84A6.' .20' 85C8.4896# 0' 5760' .7' 20' B090 58# 73' .20' =8?8"5@' 49' .20' 85C@' 73' "8AD4A6' &7.24=A6' 89D' <4.2' .20' =79609.' 73' 8"# .20' "0B4796' <86' :57="84C0D' C:0575' 49' 89E' 97948' 83.05' .20' D08.2' 73' .28.' :549=0' ,>H' 9 '7' > N# 0' 0C;0""4620D' #7C0' 89D' 50E;A4".' .20' .0C:"0' 73' .20' A9' 73' <24=2' 246' <430' <86' :5406.066# 20' &7.26' &05C896' 89D' 7.205' 975.2059' .542446' <27' 86684"0D' .20' 0C:450' 28?49B' D0"AB0D' .8"@' <4.2' .2045' C@548D6' D0308.0D' A50E' "489' 8.' "8=09.48# A.' 20' 8?09B0D' 24C60"3' :57C:."@' ;@' .2500' ?4=.75406' 89D' .20' 506A".' <86

:08=0' <4.2' .20' ?89SA4620D' ;85;854896# 0' 8"67' 50=7?050D' &8A"# 89D' :849' 7A.' 73' .20' 289D6' 73' .20' 0"D05' 0.54=A6# =85=0"@' 27<0?05' 28D' 20' :"8=0D' #7C0' 49' 8' 6.8.0' 73' 60=A54.@' ;@' 50:84549B' 89D' 375.43@49B' .20' <8""6' M790' 73' <24=2' =7CG C09=0D' # > ,' 20856' 246' 98C8' 89D' 0146.6' .7' .246' D8@N' <209' .20' <85' 8B8496.' n097;48' =8""0D' 24C' 49.7' .20' 86.' 89D' .28.' 8C;4.47A6' 89D' 20574=' %A009' <4D7<' 7.' %D0984"C6' 549=0' 73' 8"C@58' D0309D0D' 203' D7C494796' <4.2' 2' =7A58B0' 89D' =79DA=.' .5A"@' C86=A"490# .' "09B.2}'205' C8B9434=09.' =8 34.8"' 83.05' 8' "79B' 640B0' 50DA=0D' .7' 01.50C4.406' ;@' 38C490' J.45509D050D' .7' .20' #7C89' 8996' ' "' , >[' [9 ' ' > >N# 9D' n097248' 83.05' 8' 35A4."066' 8..0C:.' .7' 06=8:0 0<86' ;57AB2.' 86' 8' :5467905' .7' #7C0' <2050' 620' .7B0G .205' <4.2' 0.54=A6' B4?8=0D' .20' .54AC:2' 73' .20' ?4=.7547A6' 0C:0575' E ' ?> H* 1 8"C@58' D0G 6.57@0D'89 ' B@:.'6A;DA0D' A50"489' 09D08?7A50D' 8.' #7C0' .7' B849' .20' 8.4=.47 ' 73' 8' "8\@' 89D' 4967"09.' :7:A"8=0' ;@' ;46" "4;058"4.406' <24=2' <050' 73' .20' C76.' :57D4B8"# F4AD# A.' 49' =8506649B' .20' CA".4.AD0' 20' 6.4""# C849.8490D' 75D05' 89D' A6.4=0' 89D' <86' 4901758;"0' 8B8496.' =54C83' 246' :A9462C09.' 73' <24=2' <86' 67C0.4C06' =85540D' .7' 8' D508D3A" 01.50C0' 86' 49' .20' =860' 73' .20' C790.84' 375B056' A*' # , > ' 9 ' ' > *N' 46' :5AD09=0' D4=.8.0D' .7' 24C' .20' 84N89D79C09.' 73' 8=48' M.20' # =79SA06.' 73' 58 89N' 64.A8.0D' ;0@79D' .20' 89A;0' <?24=2' 54?05' .209' ;0=8C0' .20' ;855405' 73' .20' 0C:450# 9' 246' C85=2' 8B84A6.' .20' 0564896' <2760' ' 49B' 8:75' 28D' ;0BA9' .20' 276.4"4.406' 20' <86' 866866498.0D' ;0.<009' @\89.4AC' 89D' 058="08' ' ' > [' ;@' 67C0' 73' 246' B09058"6' MD0=04?0D' ;@' .20' .508=205@' 73' 246' 3500D4A89' 89D' 60=50.85@' 906.0A6N' 83.05' 504B949B' 37A5' @0856' 89D' 9490' C79.26*

A50"489' 46' 50:50609.0D' 79' 246' =7496' 67C0G .4C06' "8A508.0D' 67C0.4C06' 58D48.0D' 83.05' .20' A6A8"# C89905' 73' .20' #7C89' C:05756' 8.' 7.205' .4C06' =57<A0D' <4.2' .20' D48D0C' 8==75D49B' .7' .20' 3862479' 73' 086.059' F49B6* 1 4=.75' 68@6' 73' 24C' T' # ' + ' # ' ' + ' # 1 89D' K75989D06' MSA7.0D' ;@' 460"4A6N' 68@6' T h4' + ' ' ' ' 8 0 ' ' 0 ' ' + W 9' .20' 8.49' =7496' 73' .246' 0C:0575' 20' 46' 6.@"0D' 1 2 1 ' & / (' =# * o! ' 1< / (' 4 2 ' 7 ' 1 2 1' 1< / (' 4' 1 20 1 ' 1 4 1' 1< / 72 ' 2 ' 7 ' ' 1 2 ' 1< / 72 ' 2 ' 7 ' ' C4 ! 2A6' <0' 600' ;@' .20' "86.' 73' .2060' .4."06' .28.' .246' 2AC;"0' 87979489' :08689.' <86' .20' 3456.' 73' .20' #7C89' :549=06' <27' 7:09"@' 866AC0D' .27' 50B8"# D48D0C' 89D' 97<' 375' .20' 3456.' .4C0' <00 508D' 79' C0D8"6' 6.5A=F' ^8.' #7C0' DA549B' .20' "430' .4C0' 73' 89' 0C:0575' .20' 8557B89.' 89D' 4C:47A6' .4."06

.7' .20' 6@6.0C' 73' .20' .74=6# A.' 904.205' =7496' 975' C85;"06' 289D' D7<9' 89@' 496=54: .4796' .28.' O 8664: C' .7' 24C' .26': 85.4=A"85' 8DD4.479 ' 27<0?05' DA0' .7' 246' "0859 49B' 89D' .7' 246' B58?4.@' 73' D0 : 75.G C09.# 9' : A;"4=' 6 : 454.0D' D4649.0506.0D9066' 89D' 375' 4550 : 578=28;"0' C758"6 ' 20' 0SA8""0D ' : 0528 : 6' 0I=0""0D ' .20' ;06.' 73' 246' 4C : 0548" : 50D0=066756 ' 89j2' 6A==066756' .77# !' (209 ' 49' 8' =8"8C4.7A6' ?' 6.5ABB"0' <4.2' 49?8D49B' C@548D6' 357C' .20' 975.2059' 24?0' 73' 98.4796 ' .20' : A;"4=' .5086A5@' ;0=8C0' 0C : G .40D ' 89D' 35062' 6A : : "406' 73' C790@' <050' 50SA450D' .7' =855@' 79' .20' <85 ' .246' 4""A6.547A6' : 549=0' ;5744B2.' .7' 8A=.479' 49' .20' ! ' 7 3' 8"" .20' É 7598C09.6' 89D' 3A594.A50' 73' 246' : 8"8=0 ' B09057A6"@' : 85.49B' <4.2' 246' : 54?8.0' 375.A90' 58.205' .289' 49G =5086 0' .20' : 5066A50' 73' : 57?49=48" .818.479# A.' 85=A6' A50"4A6 ' <460' 89D' 27906.' 86' 20' <86 ' 28D' 90?05.20"066' 246' <08F906606' 89D' 246' 38A".6 ' 8C79B6.' <24=2' CA6.' 20' 97.4=0D' .20' D4B94.406' <24=2' 20' "8?4620D' 79' 89' 7 : 09"@' 8 ; 89D790D' <430 ' 89D' .20' : 50C8.A50' 2797A56' <24=2' 20' =79G 30550D' 79' 246' C796.05' 73' 8' 679# 20' C76.' B540?7A6' ;"7.' 27<0?05' <24=2'246' A6.' 89D' C05E' =43A"}2858=.0546.4=6' 6A6.849OD ' <86' 49'.20' =5A0"G .406 ' <24=2 ' 43' 20' D4D' 97.' 8=.A8""@ 09=7A58B0 ' 20' .77' 508D4"@' : 05C4..0D ' .7' ;0' 0I05=460D' 8B8496.' .20' 2546.4896 ' 89D' <24=2' <050' =85540D' .7' 6A=2' 8' 204B2. ' .28.' A9D05' 246' 504B9' 850' =25797"7B4G =8""@' : "8=0D' .20' 2755756' 73' .20' 37A5.2' : 0560=AG .479# 0.' .8F49B' 24C' 375' 8"" 49' 8""U 1 "77F49B' .7' .20' =7900=.9066' 73' 246' 28 ; 4.6 ' .20' 64C : "4=4.@' 73' 246' C899056 ' .20' "4 ; 058"4.@' 73' 246' 98.A58" D46 : 764.479 ' 86' 0?49=0D' 49' 246' W 4..09' C0D4.8G .4796 ' 89D' : 58=.4=8""@' 0I0C : "4340D' 49' 246' =79DA=.' .257AB2" "430 ' 4.' 46' 97.' .7' ;0' <79D050D' 8.' .28.' 246' C0C75@' <86' "79B' 0?050D' ;@ : 76.054.@ ' 75' .28.' C750' .289' 8' =09.A5@' 83.05' 246' D08.2 ' C89@' : 056796' : 506052?0D' 246' 4C8B0' 8C79B6.' .2760' 73' .2045' .A.0"85@' D04.406*

^ 20' < 77D' = A. ' 8.' .20' 208D' 73' .246' 97.4=0 ' 46' 357C' .20' 7 ; ?0560' 73' 8' ; 5866' C0D8""479' 49' .20' 509=2' =8 ; 490.# (4.2' .20' "0B09D' # !.' ?6' &# # :# ++ # 4.' 0I24 ; 4.6' 8' 6.54F49B' : 75.584. ' 73' 349620D' < 75FC89624 : # 9' C8.A50' 8B0 ' .20' 0C : 0575' 50.8496' 8' 3A"" 208D' 73' 2845 ' .7' < 24=2' .20' "8A50"" =57<9' 46' 8' =796 : 4=A7A6' 7598G C09. ' ' .20' ; 085D' 46' "A I A5489. ' 0?09' .7' 628BB4E' 9=66 ' 246' 627A"D056' 85=' =7?050D' < 4.2' .20' 4C : 0G 548"" "8.4="8?AC ' ="86 : 0D' < 4.2' 8' 34 ; A"8' .7' .20' 54B2.' 627A"D05*Q

20' =7496' 73' A50"4A6' 850' ?05@' 9AC057A6# 20' B7"D' =7CC79' 0I=0 : .' 67C0' 73' 60=79D' D0B500' 73' 5854.@* 1 4"?05' =7CC79' 0I=0 : .' 67C0' 73' 343.2' D0B500' 73' 5854.@* 1 5866' =7CC79' 0I=0 : .' 67C0' 73' 04B2.2' D0B500' 73' 5854.@* 1 2050' 850' : 40=06' <24=2' 50 : 50609.' 24C' <4.2' F3' ! '7 3' F3 89D' ' 1 9' .2060' C0D8"6' 20' 46' 6.?"=D 1 # ' ,Q #* 1 ' E' ' #' EF4 ' ' ! ' M<4.2' .20' @7A9B' 208DN* 1 # # ' E' * 1 # # # # E' * 1 # ' & * 1 "67' <4.2' .20' 6A598C06' 73' # ' #E' ' + 1 ' M.20' c$ ' %:' & # ' 89D' # # 1 9' 246' =7960=58.479' C0D8"6' 8 : : 085 ' ' # ' 89D' ' # E

%

' 5 * 1 4C6' 4.' 8 : : 0856' .28.' 79' 60?058"# 73' 246' =7496' .20' 98C0' 73' ' 46' 7C4..0D*

' *Z# ' ' &# ' H ; ' M A50"486 8 685 ' 679' 73' 9.7949A6 ' .20' ABA6.' 89D' .20' 4A6*N

9' .20' 7 ; ?0560' 73' 8' "85B0' ; 5866 ' ; 08549B' . ; 0' 8 ; 7?0' "0B09D ' 8 : : 0856' . ; 0' ; 850' 208D' 73' .20' @7A.23A"# 85=A6' A50"4A6 ' <4.2' =A5"@' 2845 ' 8D7G "06=09.' ; 085D ' 89D' 8' =7A9.0989=0' 73' <24=2' .20' 0I : 5066479' M86' .20' 8 ; 7?0' 09B58?49B' .06.43406N 46' 7 : 09' 89D' : "08649B# 246' =749' <86' 6.5A=F' 8' 6275.' .4C0' : 50?47A6' .7' .20' @085' # # , ' 49' <24=2' 9.7949A6 ' 28?49B' B4?09' A50"4A6' 246' D8AB2.05' 8A6.498' 49' C85548B0 ' 8D?89=0D' .20' @7A9B' 6=685' .7' .20' =7969"8.0*

C79B6.' .20' 58506.' 89D' C76.' 50C85F8 ; "0' "0B09D6' 89D' .@ : 06 ' 79' 50?0560' 49' .20' =7498B0' 73' .246' 0C : 0575 ' 850' .20' 37""7<49B ' ?4*/ 1

4 ' 'F 1 =7 77?6' " $ ' 7A9B' 208D* 1 # x # A9058" : 4"0* 1 =76#' * C : 0575' 49' 8' SA8D54B8*EEEEE72' & * ' 08 : 73' 85C6* 1 ' * ' 7 / ! #' ! ' = 76#' 444#' C : 0575' 79' 27560 ; 8=F* 1 ! #' !!' " ' 7 / ' # # = 76#' #' C : 0575' =57<90D' ; @' 4=.74@#' 1 ' ?7#' 8=5434=48"# 496.5AC09.6* 1 # "47#' %# 05=A5@* 1 * ' # ' 6 ' = 76#' 49#' CG : 0575' 49' SA8D54B8 1 M 8 ; 490.' D0' &766="49N* 1 ?4=#' #' 4=.75@' 46' 496=54 ; 49B' 79' 8' ; A=F"05* 1 ' # <7' 34BA506' 6.89D49B' <4.2' 7490D' 289D6#' 79=75D' 49' .20' C4D6.*

* ' 1 o " ! ' 90' 73' .20' 34BA506' 27"D6' 8' 27560' ; @' .20' ; 54D"0* 1 ' &# C : 0575' <8"F49B' .7<85D6' 8' .54AC : 28"# 85=2* 1 # 44# =76# 49#' KA : 4.05' 79896' 89D' 8' 4.89* 1 # 49#' =76# 49#' A50"4A6' 89D' 05A6' 49' 8' .54AC : "48"# =85* 1 # * " ! ' ' "' <7' 27560C09' C4D' .<7' 377.' 67"D4056* 1 #$ % " ! ' ' " '49#' C : 0575' 79' 27560 ; 8=F ' 89D' 37A5' 377.' 67"D4056* 1 # $ '% 0!"! ' 05=A"06' 49' 8' =85' D58<9' ; @' 37A5' =09.8A56* 1 * ' # ' 6 6 !! ' KA : 4.05 ' 6.89D49B ' ; 0.<009' .<7' 6C8"" 34BA506' ="7.20D' 49' .20' .7B8* 1 !" '% $!" ' 9' 8' 6240"D' 6A : : 75.0D' ; @' .<7' 4=.75406* 1 '# $ ' 4 ' ' B589D' 68=5434=48"# B57A : * 1 (4.27A.' "0G B09D9# 490578' 89D' A"=89* 1 (4.27A.' "0B09D9# 0 : .A90' 89D' 0506* 1 (4.27A.' "0B09D9# C : 0G 58.75' 0S906*

! ' * 1 " ' ' ! ' A50"4A6' 89D' 05A6' D46.54 ; A.49B' .2045' .245D' = 79B4854AC* 1 ' # # 85 : 09.AC' 89D' 37A5' 0"0 : 289.6* 1 ' 4 # 08D' 73' .20' C : 5066* 1 ! ' 2 ' 850' 208D' 73' 05A6* 1 #* # $!' (' 49#' " ' 49#' KA : 4.05' 2A5"49B' .20' 3A"C09 8.' 8' : 576.58.0D' 34BA50*EEE #* ! ! ' & @ : 0' 73' 89' ""7=A.479* 1 * 0! ' ' ' 34BA50

9' .246' ?05@' 50C85F8 ; "0' 50"4=' 73' C790.8"' 89G .4SA4.@ ' .20' 8A.275' 73' . ' C8F06' .20' 37"G "7<49B' 0I : "898.75@' 894C8D?0564796 ' 49' .20' >9D' : 8B0' 73' 246' 64I .2' ?7"AC0 ' <2050' 20' ="86606' 4.' 8C79B6.' .2760 ' <24=2' <050' A9D7A ; .0D"@' C49.0D' 79' .20' 7==86479' 73' .20' .54AC : 28"' 2797A56' D0=500D' .7' 58 89' 83.05' 246' D0=0860' / 1

T' 246' ; 08A.43A"' =749' M?4"' >N ' 79' 8==7A9.' 73' 4.6' 649BA"85' .@ : 0 ' ' 28?0' D0.05C490D' ; @' 97' C0896' .7' 7?05"77F ' 8".27AB2' 8<850' .28.' ; @' 67C0' 4.' 46' 50=F790D' 8C79B6.' .20' 20' 8 : : 57G : 548.0' C898B0C09.' 73' .20' 8"'' 0B75@ ' 89D' .20' =79G 90I479' ; 0.<'009' .20' 7 ; ?0560' 89D' .20' 50?0560 ' <24=2' 46' 6=85=0"@' 0?05' 7 ; 605?8 ; "0' 49' .20' <27"0' ; 8.=2' 73' =79.7594.48 06 ' 49DA=0' C0' <4.27A.' 2064.8.479' .7' =79=A5' <4.2' 8?05=8C : ' 49' 506=A49B' 4.' 357C' .28.' 49305475' ="866' 73' C0D8"6"' A.' ,' 8C' 97.' 8.' 8"'' 68.46340D' <4.2' .20' 49.05 : 50.8.4796 ' 385E30.=20D' 89D' ; 064D0' .20' : A5 : 760 ' <24=2' 28?0' ; 009' 8 : : "40D' .7' 4.' 86' <0"' ; @' 54\\7' 86' ; @' 96.89 ' 89D' "86."@' ; @' 8?05=8C : ' 24C60"3"' 75' 49' .20' D064B9' 73' .246' : 50=47A6' C0D8"'' 479' M68@6' =F20"N ' 50=7B94\0' .20' .54AC 42' 73' A5758 ' ; 57AB2.' 8 ; 7A.' A9D05' .20' 8A6 : 4 6' 73' 8' 60=79D' 05=A"06' <4.2' .20' ?89SA4620D' ; 85 ; 854896' 50DA=0D' "4F0' <4"D' ; 086.6' .7' 205' @7FO"' .' 46' 086@ ' 49D00D ' .7' : 57?0 ' .28.' .20' .4BC0' 49' .20' =28547.' 50 : 50609.6' A5758 ' 89D' 97.' 86' 7.2056' 28?0' .27AB2.' 4=.75@ ' 75' 8 ' <49B0D' 4898"' @' =7CC79' =79609.' .20' <49B6' 89D' .20' .75=2' ; 0"79B' .7' A5758' 8"'790"' 7A' 600' 205' <49B0D' 79' D098544' 73' .20' ! ' 38C4"@"' 20' 20856' 8' .75=2' 79' 8' 38C7A6 ' "0189D5490' =749 ' <4.2' 8' 208D' 73' " 05A6"' .' <86 ' 49' 38=.' 8' "79B' 06.8 ; "4620D' =A6.7C ' .7' D097.0' =7A9.5406' 64.A8.0' .7<85D6' .20' 086. ' ; @' 8' 34BA50' 73' .20' A9 ' 75' 73' A5758"' 2A6' 79' B7"D' =7496' 73' 58 89 ' 6.5A=F' 83.05' 20' 28D' 60.' 7A.' 79' .20' 85.2489' =8C : 84B9 ' @7A' C8@' 350SA09."@' : 05=04?0' 8' 208D' 73' .20' A9 ' 89D' 8.' .20' .4C0' .28.' =4A6' 05A6' <86' 09B8B0D' 49' 8' <85' <4.2' 20' 85.24896 ' 8' =749' <86' 6.5A=F' 8.' "0189D548 ' <4.2' .20' .@ : 0' 73' A5758 ' 89D' .20' 496=54 : .479' 4" ' .20' &500F' <75D' 375' * 1 ' 9D' "86."@ ' * ! ' & ' <4.2' 8' .@ : 0' 73' .20' A9 ' =796.89."@' 7==A56' 79' =7496' 357C' .20' .4C0' 73' A50"489"' 7' .209 ' 79' 8"'' .2060' C79AC09.6 ' 04.205' .20' A9 ' 75' A5758 ' 49D4=8.06' .28.' SA85.05' 73' .20' B"7 ; 0 ' <24=2' 3A594620D' .20' 0C : 05756' <4.2' 7==864796' ; 7.2' 73' <85' 89D' 73' B"75@"' 9' .246' : 549=4 : "0' .77 ' 45B4"' =8"'' 6' .20' 086.059' =7A9.5406' '+ + ' ' ' 1 ' ('4.2' 0SA8"' 0"0B89=0' 73' 4D08 ' .20' 0C8089' "479' 89D' .20' 2785' 73' 5 ?C89.2A6 ' @7F0D' .7' 8' =28547. ' 605?0' .7' 64B943@' .20' 85.24896' ?89SA4620D' ; @' .20' 0<' 05=A"06 ' "4F0' C796.056' : 0594=47A6' .7' .20' #7C89' <75"D ' 89D' A6.' ; 57AB2.' .7' 6A ; C466479"' 2A6' <0' 508D ' .28.' 0676.546' <86' =8554OD' 49' : A ; "4=' : 57=066479 ' 79' 8' .54A C : 28"' =85 ' 50B6<9' ; @' .20' F49B6' <27C' 20' 28D' =79SA050D' 49' ; 8.."0"' 20' : 50609.' ='749 ' .209 ' 8"'' 0B754\06 ' 49' 8' 30"4=4.7A6' C89905 ' .20' #7C89' : 57?49=06' 73' .20' 086.' D0"4G ?050D' 357C' .20' 85.24896 ' .20' "8..05 : 07 : "0' 50G DA=0D' .7' .20' =79D4.479' 73' 605?4.AD0 ' 89D' 58 89' 24C60"3' .20' 8?09B05 ' 4.' ; 049B' 375' .246' 508679' .28.' 7C4..49B' 246' 7.205' .4."06' 73' 4 ' 89D' ' 20' 46' 2050' 6.@"0D' 79"@' # IV " # * 1 A50"4A6' #A3A6 ' 98C0*89D' 6A5G 98C0' 73' 8' C89* 1 0=' '

* 1 00' 4 # ' # # * 1 246 ' .05C' 46' A60D' 49' .20' =7D0' 73' 207D764A6 ' 86' 6=079AA6' <4.2' 0I .50C0"@' : A50' B7"D#' .' 754B498""@' 64B94G 340D' .20' ?05@' 3490' 89D' ; 54""489.' B7"D' 73' <24=2' =57<96' <050' C8D0 ' 75' 58.205' .20' : 50=47A6' C0.8"' 4.60"3 ' <24=2' <86' 733050D' .7' .20' =79SA0575" 75' 8".27AB2 ' 8.' 3456. ' 4.' <86' =A6.7C85@' .7' : 50609.' 24C' <4.2' B7"D055' =57<96' 73' 2797A5 ' @0.' .20' C750' ' : 58=.4=0' 73' B4?49B' 24C' 8' 6AC' 73' C790@' <86' 83.05<84ED6' 49.57DA=0D* 1 ' ' 68@6' 05?4A6 ' 0 ' ? ' ' ') ' ' A.' 4.' <86' 97.' .20' ?89SA4620D' 8"790' <27' : 84D' .246' =763"@' 27C8B0" ?09' .20' 8""406' 89D' 35409D6' 73' .'80' #7C896 ' <209' 8' =79G 6A" 75' 8' : 57E=796A" 09.050D' .2045' .0554.75406 ' 37A9D' 4.' 0I : 0D409.' .7' =79=4"48.0' 246' 38?7A5' <4.2' .20' .09D05' 73' 8' "84 0' 8C7A9.' 49' B7"D" 9D05' .20' 4C : 0548"' B7?059C09.' B43.6' 73' .246' 675.' 6779' ; 0B89' .7' ; 0' 733050D' 79' .20' 7==86479' 73' 67C0' 67' =8""0D' 28 : : @' 0?09.' 6A=2' 86' 8' ; 45.2' 75' 89' 8D7 : G .479' 375' 0I8C : "0' 75' <209' 8' : 549=0' 86=09D0D' .20' .25790* 1 : 08F49B' 73' 9.7949A6' 4A6' 4.' 46' 83345C0D' ; @' 8 : 4.7"49A6 1 f ' ' ' #) ' ' 2A6' 4.' <7A"D' 8 : : 085' .28.' .20' ' ' ' <86' 49' : 57=066' 73' .4C0' 8' C050' .54 ; A.0' 49' B7"D' 75' 49' 64"?05 ' <24=2' .20' #7C89' : 7.09.8.0' 50=04?0D' 357C' .2760' : "8=0D' A9D05' 246' B7?059C09.' 9D' 8".27AB2' DA549B' .20' 50 : A ; "4=' 4.' C4B2.' 28?0' ; 009' 8' ?7"A9.85@' 8=.' 73' B58.034D' 8=F97<"0DBC09.' 79' .20' : 85.' 73' .20' D4330509.' : 57?49=06' 89D' 98.4796' 6A ; 0=.0D' .7' .20' 6<8@' 73' #7C0' @0 3'A9D05' .20' 0C : 05756' 4.' ; 0G =8C0' 89' 0I : 0=.0D' =79.54 ; A.479 ' .7' 50 : "09462' .20' =733056' 73' 8' 504B949B' : 549=0* 1 00' 67C0' 3A5.205' : 85.4=A"856' 79' .246' 6A ; 0=.' 0I .58=.0D' 357C' 0FE' 20"L6' 50C85F6' M?44" : : ' 89D' N ' A9D05' .20' "0B09D' " 5 ! EEEEE "67 ' 375' 8' 6@C ; 7"4=' 8""AG 6479' 79' 89' 4C : 0548"' =749' .7' .20' ' ' 73' B7"D ' 60W .20' .@ : 0' 73' ; ' " ' ! ! ' 73' 9.7A49A6' 4A6 ' : ' a * # ' 1 00' 4 ' ' $' ' ; * 1 246' 89D' ' 850' =7CG C79"@' A60D' 86' =79?05.4 ; "0' .05C6' A.' .20@' 850' 67C0.4C06' D46.49BA4620D' .20' 790' 357C' .20' 7.205' + ' <86 ' 6.54=."@' 6 : 08F49B ' .20' 3750.0""49B' 73' 3A.A50' 0?09.6' " ' + % 357C' + ' $') ' .28.' 46' .7' 68@' 357C' 7 ; 605?49B' .20' 3"@49B ' 649B49B ' 89D' 7.205' 8=.4796' 73' .20' 308.2050D' .54 ; 06' ' <86' .20' 6=409=0' 73' : 50D4=.479 ' 75' 73' 0I : 7A9D49B' .20' <4"' 73' .20' B7D6' 357C' 8"'' F49D6' 73' 7C096' 89D' : 4L7D4B406' 90' ?05@' : 57G C4909.' 308.A50' 49' .20' D46=4 : "490' 73' .20' #7C89' 6A : 056.4.479 ' <86' .28.' 97.249B' 73' 4C : 75.89=0' <86' 0?05' D790' 04.205' 49' : A ; "4=' 75' 49' : 54?8.0' "430' <4.27A.' .20' 8A6 : 4=06' 28?49B' 3456.' ; 009' .8F09' 20' : 50609=0' 73' 89' 8946 : 0I ' 75' 73' 89' 8ABA5' <86' 97.' C750' 90=06685@' 49' D0=4D49B' 79' : 08=0' .7' ; 0' : 50605?0D ' 75' 79' <85' .7' 20' <8B0D 1 .20' =7C4.48' .7' ; 0' 20"D' 75' ; 57F09' 733 1 8' ; 8.."0' .7' ; 0' 37AB2.' 75' 62A990D 1 .289' 49' D0.05C4949B' .20' SA06.479' <20.205' 8' 7A590@' 627A"D' 20' A9D05.8F09 ' 89D' <20.205' 8' C85548B0' 627A"D' ; 0' 67"0C94\0D ' ' ' 3' 68@6' 4=057' + ' 7' 379D ' 49D00D' <86' .20' : 50D4"0=.479' 09.05.8490D' 375' 6A=2' <24C64=8"

97.' ;08549B' 67' 50C85F8;"0' 8' 50?0560' .@:0' 86' .;0' 375C05*

1 Z 49B0D' ;08D'73' 8""86' ' ;03750' 4.' + 8 *1 # 4' %# # :74"7' 49' 8' SA8D54B8 1 M 00' + %

1) 1 "08D' 73'KA:4.05*

; 1 '49' C797B58C'# 4=.75@' =57<949B' 8' .57:2@' ' ;0"7<' *

%# 60;4446' 8C:24"A6' 8;7A.' .20' @085' '=# [H[' 9$ '=# >,aN' <86' .<4=0' 609.' 86' C;8668D75' .7' .20' 85.28B494896' 375' .20' :A5:760' 73' O1G :76.A"8.49B' <4.2' .20C' 79' .20' 6A;0=.' 73' .2045' 8..8=F' 79' 8BA9.AC' 89D' 8.' "09B.2' D0="850D' <85' 8B8496.' .20C*1 9# 60;4A6' 8C:24"A6' <86' .20' 3456.' C0C;05' 73' .246' 38C4"@' <27' 605?0D' .20 7334=0' 73' 796A"# >' 9$' " ' , >N*EEEE 85=A6 4=24A6' 8CN24"A' .20' 679' ;@' <27C' .246' D0R 9854A6' <86' 6.5A=F' :57=00D0D' 796A"' 49' .20' @085' 5*=*' H' ¯ ¤ ¯ , ,*N

E 1.20' 3"7<05' 73' .20' :7C0G B5898.0' .500 1 8:0C6' 79' 8' D09854A6' 73' .20' ' ' :' 8"67' <4.2' .20' =58;' 89D' .20' + K 3' 79' 8' =749' 73' .20' F '

1 790' 73' .20' 0:20C058"' A6A5:056' 49' .20' 504B9' 73' &8""409A6' ' :57="84C0D' C:0575' 49' @548' ' ' > >' 6"849' > # 20' =7496' :A;G "4620D' 86' 246' 850' 38"60*

1;57.205' 73' 05498' <430' 73' 07' #' :57="84C0D' C:0575' 73' .20' 86.' # .' ' ' D0.25790D' ;@' n097' 89D' 6A33050D' .7' D40' 73' 2A9B05' ' ' E 1 46' =7496' 49' 08=2' C0.8"' 850' 5850"# 7C0' 73' .20C' 50:5809.' 24C' <4.2' 246' 679' 85=A6"# L

*1 8";A6*1 # 8";A6' 73' .20' ' F3' <86' DAAC?45' 73' .20' 7"79@' 73' 0:.46' 49' 354=8 1 600' ' ' ' *

"? *1 ' 6A598C0' 73' .20' ' ' '? ' # # *1 00' ' ' "67' 600' - ' F +

' "* & ' ' % C:0575' <4.2' A:409A6' $ '> *1 6' 6779' 86' .20' .4DG 49B6' 28D' 508=20D' #7C0' 357C' 354=8' .28.' .20' .<7' 75D4896' <050' D08D' 89D' .28.' 8I4C4AA6' <86' 8:;578=249B' .8"@' <4.2' 8' :7<053A"' 85C@' .20' 8"354B2.0D' 6098.0' 286.4"@' 8660C;"0D' 49' .20' .0C D0' 73'KA:4.05' 8:4.7"49A6' 89D' ;@' 8' 90<' 496.4.A.479' =508.0D' .<7' 'M60D' :#, HN 49' .20' 506:0=.4?0' :056796' 73' .20' 8;7?0E98C0D' 8";4AA6' 89D' 8I4G CA6' A:409A6' 79' .20' a.2' 73' KA"@' 49' .20' @085' 8;7?0E98C0D'# 9D' 67' 0SA8"' <86' .;0' D0B500' 73' :7<05' 09.5A6.0D' .7' 08=2' .28.' 4.' 0I.09D0D' .7' 8' D4?46479' ;0.<009' .20C' 73' .20' 6A:50C0' :79.434G =8.0*1 8";49A6' D06=09D0D' 3579A' 8' ?05@' 97;"0' 38C4"@' <86;7C' ' ', # . 20' :0547D' 73' 246' 0"0?8.479' .7' ABA6.8" 589F' 89D' 8A.2754.@' 20' 28D' 8..8490D' ' @0856' 73' 8B0' :50?47A6"@' .7' <24=2' 20' 28D' B7?0590D' 60?058"' :57?49=06' <4.2' 8' 24B2' =2858=.05' 375' .20' A6.4=0' 89D' .20' C4"DE 9066' 73' 246' 8DC4946.58.479# 0' 28D' 8"67' ;009' .<4=0' 796A"# ".27AB2' 246' B508.' 54=206' 28D' B4?09' 24C' 8' .A59' 375' :"086A50' @0.' 20' 28D' F0 4.' 2F960""' <4.249' .20' ;7A9D6' 73' C7D058.479' 89D' 8=SA450D' 97' =7CC79' 50:A.0' 375' 3750964=' 8=SA450G C09.6' 89D' 375' :70.4=8"' .8"09.6# A56A89.' .7' 8' 6098.7548"' D0=500' 246' =7""08BA0' 8' ;7"D' 89D' 0I:05409=0D' <845475' <86' 609.' .7' =7CC89D' .20' 85C@' "0?40D' .7' 50:0"' .20' 49?86479' 73' 8I44949A6' <24"6.' 8";49A6' 98.A58""@' .4C4D' 89D' 27"D49B' 49' 8<0' .20' ?05@' 98C0' 73' .20' 258=489' 68?8B0' <2My' 28D' 496.4B8.0D' .20' 866866498.479' 73' "0I89D05' 0?05A6' 50C8490D' 8.' #7C0' 246' .86F' 6=85=0"@' 8' "066' D4334=A".' 790' ;049B' .7' F00:' D7<9' .20' 6:454.' 73' 60D4.479' 89D' .ACA".' :50?84"49B' ;0.<009' .20' 67"D405@' 89D' .20' :07:"0' <2760' SA8550"6' .4#0D' .20' =8:4.8"' <4.2' ;"77D620D*1 A5.205' .7' <49' .20' :7:A"85' 38?7A5' .20' 90<' 0C:05756' <050' 7;"4B0D' .7' 98C0' .20' @7A9B05' &75D489' 86' 37685' 79' .20' ?05@' D8@' 73' .2045' 7<9' 0"0=.479*1 A:409A6' <27' <86' 8.' #8?0998' <209' 8I4CA996' 89D' 246' 679' 8I4CA6' <050' 6"849' ;03750' SA4"048' 9 ' >H N 50.A590D' .7' #7C0' <2050' 20' C0.' <4.2' .20' C76.' 7@7A6' 50=0:.479' 357C' 8";49A6' .20' 098.756' 89D' .20' :07:"0' 8.' "85B0"# 7.2' 0C:0575' 6' .209' D0?7.0D' .20C60="?06' .7' .20' DA.406' 73' .2045' 749.' B7?059C09.' 89D' 97.<4.26.89D49B' 9A.98"' 08G "7A6406' 7==864798""@' D46:"8@0D' ;@' .20' 790' .7<85D6' .20' 7.205' .20@' =79DA=.0D' :A;"4=' 8338456' .7B0G .205' A:79' .20' <27"0' 49' 8' <460' D4A9.0506.0D' 89D' 0334=409.' C89905"# 246' 6.8.0' 73' .249B6' 27<G 0?05' D4D' 97.' "86.' "79B"# 8";49A6' <86' :50:8549B' .7' =7CC09=0'276.4"4.406' 8B8496.' .20' 496A5B09.' &7.26' 89D' A:409A6' 28D' 8"508D@' C85=20D' .7' 50:0"' 89' 49?86479' 73' .20' 0564896"' .' .246' =54.4=8"' A9=.A50' .20' ?098"' 89D' 689BA4985@' 500.754896' ;034549B' 8' B5ADB0' 8B8496.' .20' .<7' '375' 28?444B' ;009' =27609' 97.' ;@' .20CG 60"?06' ;A.' ;@' .20' 098.0' 89' 'C7507?05' 97.' "066' D464D0860D' 8.' .2045' 09D08?7A56' .7' 506.750' C4"4.85@' D46=4 D490 1 .77F' 8D?89.8B0' 73' .20' 8:4.7"490' B8C06' 8;675;49B' :A;"4=' 8..09.479' .7' 86684"' .20' :8"8=0' 89D' CA5D05' .20C' ;7.2' A9D05' =45=ACG 6.89=06' 73' .20' C76.' 50?7".49B' 89D' 7A.58B07A6' =5A0".@# 2A6' <86' .20' 4C:0548"' =85005' 73' 8"G ;49A6' 89D' 246' ;58?0' =7""08BA0' .05C498.0D' 83.05' .2500' C79.26' 73' 6.8.0E6=554=0' D0605?49B' 73' 8' ;0..05' 50<85D*

20' 6.@"0' 89D' .4."06' 73' 8";49A6' 79' 246' =7496' M<24=2' 850' 8""' 5850' 06:0=48""@' .2760' 49' B7"DN' 850' # # M75' *M # & # # *1' 7C0' <4.2' 58D48.0D' 7.2056' <4.2' "8A50""0D' 208D6# 00' # +

T' 20' C0D8"6' 73' 8";49A6' M68@6' 8:.# C@.2' :# >[,N' <20.205' 8.49' &500F' 75' Bil:.149' 850' 8""' 5850' 89D' 73' 8' 24B2' :54=0 1.20' D098544' 89D' 606.05.44' ;049B' .20' C76.' =7CC79' 975' 850' 89@' =7"7948"' 75' 6C8""# ;5866' F97<9# ".27AB2' .20' 85.6' <050' 97<' 79' .20' D0="490' C790@056' 6.4""# :7660660D' .20' :7<05' 73' 0I0=A.49B' 8==A58.0' "4F0G 906606' 375' 8' =7C:854679' 73' .20' 208D6' 73' 8";49A6' 89D' A:409A6' .257AB27A.' 8"" .20' C0.8"6' 89D' 64\06' 83"?75D6' 49.0598"' 0?4D09=0' 73' .20' 34D0"4.@' 73' .2045' 5060C;"89=0*U

20' "85B0E64\0D' 64"?05' 73' .246' 0C:0575' 286' .20' 208D' <4.2' 408D48.0D' =57<9 1 .20' 6C8""05' 64\0D' 286' .20' 208D' "8A508.0D*1 F05C89' 4# >*

20' 37""7<49B' 850' .20'58506.' 50?05606' A9D05' .246' 6275.' 504B9 ' ?4\#/1

4 1?7 46' 4 ?6' (4.249' 8' B85G "89D' M?8"A0D' ;@' 47990.' 8. '35*N

F 1 78' ' && ' J ' 289D6' 7490D' M"85B0' 64\ON*

! ' * Y z8p, ' # $0!" ' J ' 289D6' 27"D49B' =8D44=0A6* 1 0!$ 0! ' & ' 4I' 34BA506*

F ' * ..... " 6 " ! ' && EEEEEE"7?4 4 * *!' KA:4.05' 6.89D49B* 1 !' .' *

E 1 246' B096' <2760' 98C0' 46' B4?09' 904.205' 49' 750"' 975' =220"' 975' 479G 90.' 46' 8DD0D' .7' .20' "46.' 73' :"0;0489' 38C4"406' ;@ #4==47' <27' 8664B96' .7' 4.' .<7' =7496 1 790' <4.2' 208D' 73' # 9.794A6' 79' .20' 7;?0560' 89D' .28.' 73' =.8?489A6' 00685' 79' .20' 50?0560# 20' 7.205' <4.2' .20' 68C0' 7;?0560' ;A.' <4.2' .20' 208D' 73' # 9.794A6' 79' .20' 50?0560# 7.2' ;085' .20' 98C0' 73' # Y ' GG RR~' "# ++ % ' <27' <86' I K ' # ' 89D' C79=@05' A9D05' .20' 54AC?45' 89D' <27' =7490D' .20C' ;0.<009' ,H' 9$'" ' ,N' 89D' .20' 37""7<49B' @085 1 00' ' ' ! ' '6 ' =# :*H[*

*) 1 00' .) ' 4 ' *) ('4 ' *) ' ' =# 73' 796.89.49A6' 8B9A6*

20';085D* 1 20'#7C896'73'.20'085"@ 8B06'<050'A6A8""@'50:50609.0D'<4.2'8"*4;058"B8594G .A50'73';085D# 00 28.'.2050'<050'375C05"@'M68@6 855sN' 97';85;056'8C79B'.20C'd'.7';0'4930550D' 357C'.20'8:::08589=0'73'89=409.'6.8.A06'<24=2'375' .20'C76.':85.'28?0'CA=2'2845'79'.2045'208D6'89D B508.';085D*00 ?09'8.'.20'.4C0'73'.20'=8:.A50' 73'.2045'=4.@';@'.20'&8A"6'.20@'28D'97.'8D7:.0D' .20':58=.4=0'73'628?49B'.20';085D/.246'46'0?4D09.' 357C'.20'496A"..'<24=2' 4?@'50"8.06'.7'28?0';009' 743050D';@'790'73'.20'49?8D49B'85C@'.7' 85=A6' 6:454A6'M49'.20'@085'73'#7C0'H ' $ "'Ha N# .'<86'97.'.4""# *A#=# ['9$'"'H N'.28.';85G ;056'<050'0C:"7@0D'8.'#7C0'89D'.2060'<050'8.' 3456.'609.'375'357C' 4=4"@# "49@'6.8.06'.28.'.20' 3456.'#7C89'<27'<86'628?0D'0?05@'D8@'<86' =4E' :47' 354=89A6# 57C'.20':0547D'"86.'C09.4790D' @7A9B'C09';0B89'.7'50C7?0'.2045';085D6# 20@ =7CC09=0D'.20'7:058.479'8.'>%75'>,' '89D'.246' :58=.4=0'=79.49A0D'.4#'.20'8B0'73' a'83.05'<24=2' 97'628?49B'<86'8""7<0D# 90'508679'375'<085G 49B'8';085D'<86'0I.50C0'@7A.2'<24=2'8=:75D49B' .7'#7C89'=A6.7C'D4D'9A.'8DC4.'73'4.6';049B'@0.' =A.# 97.205'508679'<86'67C0'7==86479'73' C7A5949B# 9'0I8C:"0'73';7.2'F49D6'46'3A5G 94620D'79'.20'=7496'73' =.8?489A6# 9'.246' :749.'=F20'"7;605?06'M?4# N'.28.'A9D05'246' =7498B0'73'.20'@085'A*=# ,'9$"'H N'.20':75G .584.A506'0I24;4.'8';085D'73'67C0'B57<.2# 246' 8:::0856'.7'20'8.'?85489=0'<4.2'.20'0I:5066479'73' 479' 8664A6'<27'6:08F49B'73'.20'@085' ,[' 68@6(W 9D00D' 6=685'.209'375'.20'3456.'.4C0' 628?49B'733'246';085D'97.'79"@'6:09..28.'306.8" D8@'6AC:.A7A6"@'24C60"3';A.'.7'8""'.20'506.' B8?0'8':A;"4=' ;89SA0.# 57C'.28.'.4C0'20' F0:.'246'=200F6'6C77.2'86'7.205':07:"0'A60D'.7' D7"00 0?05.20"066'=7496'73'.20':0547D'8""'73

<24=2'50:50609.' 60685' 54AC?45' 375' .20' >9D' .4C0' . .2'8';085D' 850' .06.4C79406' .28.'=8997.' D0=04?0# 7'50=79=4"0' 4796' 8==A6.9.' <24=2'50G 3056'.28.'0?09.'.7'.20'@085' ,[' <4.2'.20'38=.' 73' =.8?489L6' <08549B' 8' ;085D' 49' , ' 86'0?4G D09=0D';@'.20'C49.8B0'73'.28.'@085' =F20"# 349D6' 89'0I:"898.479'49'.20':58=.4=0'8;7?0'8""ADD0'.7' 73'.20'#7C89'@7A.2'<08549B'.2045';085D6'A:'.7' 8'=05.849'8B0'.28.'46'.7'68@'.7'.20'>,6.'@085' 89D'=7964D056'4.':57;8;"0'.28.'28?49B'79=0'"84D' 246'3456.';085D'864D0'49'8==75D89=0'<4.2'.20'A6A8"# =A6.7C'.0885'6275."@'83.05<85D6'8""7<0D'4.'.7' B57<'8B849'79'8==7A9.'73'67C0'7==86479'73':A;"4=' C7AC4AB# 9'6A::75.'73'.246'?40<'73'.20'6A;G 0=.'49'SA06.479'.20'8A.275'73' '=4.06' .20'0I:5066479'73' A0.794A6'506:0=.49B'KA"4A6' p685 1 T'(209' 90<6' <86';57AB2.'73'.20' '6"8AB2.05' ^8'"0B479'89D'34?0'=7275.6' A9D05'4.A54A6'8;49A6'D06.57@0D';@'.20'&8A"6' A9D05'C;4744 Q'20'"0.'246'2845'89D';085D'B57<' .4""'20'28D'.8F09'246'50?09B0*0C0'9D'73' =.8G ?489A6';A.'$ '246'8==066479'.7'.20'0C:450' A0.794A6'8"67'50C85F6'T'75'.20@'68@'.28.' 20'<86'67'7?05<20"C0D'M;@'.20'90<6'73'.20' 6"8AB2.05'A9D05'85A6N'.28.'375'C79.26'20'8"G "7<0D'246';085D'89D'2845'.7'B57<'C4D'67C0G .4C06'A60D'.7'D862';46'208D'8B8496.'.20'D7756"0C0 ==75D49B'.7'"A.85=2'85F'9.79@'8"67'"0.' 246';085D'B57<'83.05'246'09.450'D0308.';@' =.8G ?4A6'70685'89D'.20'=796A"6'8968'89D'45.4A6' 49'.20'@085',,'9$"'HN'8.'.20';8..0'73'AE .4A8# 2050'46'8'9AC46C8.4=' .06.4C79@'73'.246' 38=.'79'.20'7;?05}'73'8'?05@'5850'D09854A6' C49.0D';@'.28.';58?0'B09058"'09.4D4A6'866A*6' <2760'0C4909.'605?4=06'.7'.20'6A;60SA09.'54ACG ?45'C0.'<4.2'97';0..05'50SA4.8"'357C'24C'.289' .20':54?4"0BO'73'6.8C:49B'246'98C0'M # "E' . -'89D'.20'.4."06'73' 4h4z*5'89D' 0E' $ '79'.20'50?0560'73'8'=749'.20'7;?0560'73' <24=2':50609.6'8'3A""') '208D'73'X 85F' 9.79@'M<4.2'"0B09D' ' ! ' '# '"A' 86' 49'.20'6A;749D0D'=A.*

9'8DD4.479'.7'.20'=8A60'8;7?0'8""AD0D'.7' 6=85=0"@'8'649B"0'508679'=89';0'8DDA=0D'<2@'.20' 208D'73' 85F' 9.79@'627A"D'0I24;4.'8';085D'79' 246'085"@'=7496'!0I=0:.'.28.'20'<86'C7A5949B' .20'D08.2'73'KA"4A6'<2760"430'<86'73'6A=2'4CG :75.89=0'.7'24C60"3'89D'73'<2760'CA5D05'20' :5730660D'.7';0'.20'8?09B05*

8.7"4F0<460'50:AD48.0D'.20'A60'73'.20'58\75' 79'208549B'73'.20'D46=7C34.A50'73'246':85.46896' 8.'28:6A6'9$'"'*N 1 =F20"#.249F6'.20'508G 679'375'.20':A;"4=' C7A5949B'49'.20'=860'73'=.8G ?489A6'=0685'C8@'28?0';009'.20'375C4D8;"0'6@6G .0C'73'276.4"4.406':A56A0D';@'0I.A6'7C:04A6' M9#='H *N 1 97.'67'CA=2'.7<85D6'24C60"3'86' .7<85D6'.20'6.8.0'6A::"406';049B'8.'.28.'A9=G .A50'=A.'733'<24"6.'38C490'0I.09D0D'4.6'58?8B06

AW # *

.209 ' <209 4.' =8C0 .7' 8' .548"' 73 8996 ' 60?050 89D' 50 : 08.0D' "76606 ' 89D' 49' 8DD4.479 .7' .2060 : A ; "4=' D4686.056 ' .20' D46B58=0' 8..09D49B' .20C"' (209 ' 27 (0?05 ' 79'.20'D0308.' 73 0I.A6 ' '="' TGB' 9$ ' "' IYA ' .246' 6.8.0' 73 .249B6' <86 : A.' 89 09D' .7 ' 20' 50.A590D' .7' .20' 8==A6.7C0D' 3862479* 3 8"4BA"8 ' A0.794A6 .0""6' A6 .28. ' 8.' .20' 8B0 73 .<09.@ ' 20' 866AC0D' .20' ' 89D' "84D' 864D0' 246' ;085D' ' 89D' 73 057 ' .28.' 20' D4D' .20' 68C0' 8.' 8' C750' 8D?89=0D' 8B0 ' ?4\"' >>' 89D' <209' 20' <86 8"508D@' C : 0575 ' 0' 8' 38=. =79="A64?0"@' : 57?0D' ;@' 246' =7496 ' 8".27AB2' 79' 246' 085"@' C49. ' 20' 46' 50 : 50609.0D' <4.2' 8' 6"4B2.' 2085D* 1 3.05' .28.' : 0547D' 246' ;085D' <86' "84D' 864D0' 89D' .2A6' 8""' .20' C : 05756' 850' 37A9D' .7' 0I24 ; 4.' 6C77.2' =2496 ' 79' .2045' =7496 ' 357C' .20' .4C0' 73' ABA6.A6' .7' .28.' 73' 8D5489* KA?098"' 620<6 ' .28.' .20' D8@' 79' <24=2' .20' 3456.' =A..49B' 733' 73' .20' ;085D' .77F' : "8=0 ' <86' 68=50D' .7' 50 74=49B6/

""0' C0.4.' ; 85 ; 8C ' =5490C' 240' D0 : 794.' 8C8.4 "098' D7CA6' "4 ; 46' @098"4 ; A6*

^ 050' 790' 508 : 6' 246' =57 :' 73' ;085D 1 .2050' 897.205' "8@6' 864D0' .20' 2845' 73' 246' 38?7A54.0 ' .20' 27A60' 46' .4""0D' < 4.2' B77D' =2005*0

20' =0"0 ; 58.479' 73' .246' 0?09.' ; @' : 549=06' <86' 8==7C : 8940D' ; @' ?8547A4' =050C79406' 89D' : A ; "4=' 67"0C94.406"' 20' 68C0' 675.' 73' 300"49B' 506 : 0=.49B' .20' .09D05' ;085D' 73' .20' @7A9B' 20456' .7' 0C : 450' <86' : 57 ; 8 ; "@' 09.05.8490D ' <24=2' 46' 0I : 50660D' 49' .20' <75D6' 73' 4=057 1 76.54' 46.4' ; 85 ; 8.A"4' 7 1 T' .2760' D7<9@' @7A.26' 73' 7956'00 .' <86' 8D5489' M C : 0575' " ' "" N ' <27 ' 28?49B' : A ; "4="@' 866AC0D' .20' =2858=.05' 73' 8' + 0 + ' 8""7<0D' 246' ;085D' .7' B57<' 86' <0' 600' 357C' ; 46' 6.8.A06' 89D' =7496" 46' 0I8C : "0' <86' 37 ; '7<0D' ; @' 8' "79B' "490' 73' 6A==066756 ' <27 ' <2090?05' .2045' 8B0' 8DA44".0D' 73' 4. ' =2054620D' .246' ; 8DB0' 73' C89277D" ==75D49B' .7' 479 ' 49D00D ' "8B8E' ; 8"A6' 8D7 : .0D' .20' 628?49B' : 58=.4=0" 9' 0I=0 : G .479 ' .246 ' 27<0?05 ' A9<75.2@' .7' ; 0' SA7.0D* 1 ' .' "09B.2' 796.89.490 ' " " H, , ' D7A ; ."066' : 50G 305549B' 8' 6C77.2' =249 ' 506.750D' .20' 3862479' 73' .20' 3456.' C : 05756 ' 89D' 06=20<0D' .20' ;085D" 46' 0I8C : "0' <86' 37""7<0D' ; @' 246' 6796 ' 89D' 8""' .20' C0C ; 056' 73' 246' 38C4"@' <4.2' .20' 0I=0 : .479' 73' KA"489' =8""0D' .20' 8 : 76.8.0 ' T' .20' B508.05' : 85.' 73' <2760' <46D7C' M68@6 =F20"N' 375' ' <86' 8' : 24"7G 67 : 205 ' "8@' 49' 246' ; 085D*LL .' 8 : : 0856' .28.' .246' : 549=0 ' <2=4"6.' @0.' 8' : 54?8.0' =4.\09' <750' 8' ; 085D ' 2A.' 28?49B' ; 009' 75D050D' .7' 50C7?0' 4.' <209' =8""0D' .7' .20' D4B94.@' 73' =0685' 20' D706' 97.' 0I24 ; 4.' .28.' 8 : : 09D8B0' 79' .20' =7496' <24=2' B4?0' 24C' .28.' .4."0" 2760' 6.5A=F' 83.05' 20' 28D' ; 0G =7C0' C : 0575' 50 : 50609.' 24C' 04.205' <4.27A.' 8' ; 085D ' 75' 86' 46' C76.' 350SA09."@' .20' =860 ' "4 ; 05G 8""@' 3A594620D' <4.2' .28.' 85.4="0" 2050' =89' 20' 97' D7A ; . ' ; A.' .28.' .20' =7496' 73' .20' 375C05' F49D' 850' .7' ; 0' 5030550D' .7' .20' =7CC09=0C09.' 73' KA"489L6' 504B9' <209' 246' 375.A906' ; 049B' 6.4""' 49' A9=05G .849.@' 89D' 8""' 27 : 0' 73' 50=79=4"48.479' <4.2' 79G 6.89.496' *' 97.' 28?49B' ; 009' 70"49SA4620D' 20' 6.4""' 8D2050D' .7' .20' 7"D' =A6.7C" q 9D' .246' 49D00D' L<86' .20' 508679' <2@' 20' 8.' .28.' .4C0' =79.49A0D' .7' .8F0' : 85.' 49' .20' 50"4B47A6' 54.06' 73' 2546.4894.@" 0=7C49B' B58DA8""@' C750' 60=A50' 20' 506AC0D

*

.20' ; 085D ' <24=2' 246' A9="0' 28D' ; 009' .20' 3456.' 0C : 0575' .7' "8@' 864D0' 83.05' 89' 49.05?8"' 73' C750' .289' > ' @0856" A.' KA"489 ' 4.' 600C6 ' D4D' 97.' C8F0' .246' 4997?8.479' <4.2' 4C : A94.@" 0' <86' 7 : 09"@' 54D4=A"0D' ; @' .90' 9.47=24896 ' 375' <08549B' 86' .20@' 684D ' .20' ; 085D' 73' 8' B78. ' <4.2' 28456' 67' .24=F' 89D' =78560 ' .28.' 57 : 06' C4B2.' 20' 6 : A9' 73' 4." @' <8@' 73' 50.75. ' .20' 0C : 0575' 50 : "40D/ 0@7A' C8@' D7' 67 ' 43' @7A' : "0860 ' 375' 8AB2.' ' =850 ' 2A.' ' D7A ; .' <20.205' @7A' <7A"D' ;0' 8 ; "0' .7' : "A=F' .20C' 7A.' 375' .20' : A5 : 760 ' 89D' 8C' 83584D' .2045' 57AB29066' <4""' 2A5.' @7A5' 673.' 89D' D0"4=8.0 ' 289D6*L U

57C' .20' .4C0' 73' K7?48996 ' MKA"489L6' 6A==06G 675' * " H HN' 8""' .20' 0C : 05756' 8B849' 0I24 ; 4.0D' 6C77.2' 38=06" 20' A6A5 : 05' 27=86' 9 M >N' <86' .20' 3456. ' 83.05' .246' "79B' 49.05?8" ' .7' 50?4?0' .20' ; 085D ' 89D' 4.' =79.49A0D' 49' 3862479' .4""' .20' 38""' 73' .20' 0C : 450* 1 e& 9' .20' 6.509B.2' 73' =7496' M68@6' =F20"N ' =7934D09."@' : 5797A9=0' .28.' 8""' C : 05756 ' 83.05' 27=86 ' <750' .20' ; 085D" 75' 46' 4.' 6A5 : 54649B' .28.' .20' 0C : 05756' 73' .28.' 8B0' C76.' 73' .20C' 73' &500F' 0I.58=.479 ' 627A"D' 28?0' B58DA8""@' D790' 8<8@' <4.2' .20' 8.49' : 58=.4=0' 73' 8 ; 6.84949B' 357C' ; 085D6 ' 89D' 50.A590D' .7' .20' =A6G .7C' 73' .2045' 7<9' 98.479*U 1 00' ' ' ?4" H * 1 "67' .20' 508.460' 79' 7496' 73' .20' "7<05' C : 450 ' ?444 ' 3' 44" , H>*

' * 1 246' .05C' 46' 8 : G : "40D' .7' 6A=2' 89=409.' =7496 ' <20.205' 73' B7"D ' 64""?05 ' 75' ; 5866 ' 86 ' 357C' .2045' ; 8D' 50 : 50609.8G .4796' ' .20' 28C89' =7A9.0989=0 ' 89D' 357C' .20' B09058"' 7 ; 6=A54.@' 73' .2045' "0B09D6 ' 8 : : 085' .7' ; 0' 73' ; 85 ; 854=' 754B49* 1 #86=20*

* 1 85 ; 854896* 1 .' 46' .2A6' .28.' .20' &500F6' =8""0D' 8""' 7.205' : 07 : "0' ' 89D' .20' #7C896' 83.05<85D6' A60D' .20' 68C0' 0I : 5066479 ' .7' D064BG 98.0' <27C670?05' <050' 904.205' &500F6' 975' 8.496" 20' C : 0575' 9.7949A6' 4A ' 28?49B ' ; @' 89' 0D4=.' 8 ; 7"4620D' 8""' D46.49=.4796' ; 0.<009' =4.4\096' .257AB27A.' .20' 0C : 450 ' .20' 37504B905' 86' <0""' 86' .20' 98.4?0' 73' #7C0' 89D' 73' .8"@ ' .77F' : 85.' 49' 8""' =4?4" 89D' C4"4.85@' 0C : "7@C09.6" A549B' .20' 50 : A ; "4=' 89D' 085"@' 49' .20' 4C : 0548"' B7?059C09. ' 4.' <86' 8' ?05@' 5850' .249B' .7' 600' 89@' 790' 0I=0 : .' 8' #7C89' ; @' ; 45.2 ' 7==A : @49B' 89@' : 76.' 73' 24B2' 4C : 75.89=0" 20' =860' 73' 09.4D4A6' 49D00D' 375C6' 89' 0I=0 : .4798"' 496.89=0" ' 98.4?0' 73' 4609AC ' 89D' 8' C89AC4..0D' : 5467905 ' 20' ; 0=8C0' 790' 73' 85F' 9.79@L6 ; 06.' ' DA549B' .20' =4?4" <856 ' 89D' 605?0D' .20' 7.34=0' 73' =796A""' A.' 83.05' .20' 9.794906 ' 37504B9056' 850' 37A9D' .7' 28?0' ; 009 ' 357C' .4C0' .7' .4C0 ' 8 : : 749.0D' .7' .20' =796A"8.0" 20' 38C7A6' .4"4=27 ' 679' 73' 8' 89G D8" =8 : .849 ' B7?0590D' .20' 0C : 450 ' 49' .20' 97C498"' 504B9' 73' 79754A6 ' 89D' <86' .<4=0" =796A"" 20' 68C0' =289B0' .77F' : "8=0' <4.2' 50B85D' .7' .20' .577 : 6" A14"485406' <050' D583.0D' 49.7' .20' #7C89' "0B4796 ' 89D' 0?09.A8""@' 375C0D' "0B4796' 73' .20CG 60""?06* 1 00' 4.46=A6 ' ' '6

' * 1 20' ; 850' 75' 98F0D' 208D ' 86' =79.58D46.49BA4620D' 357C' .20"8A508.0D' 75' 58D48.0D' 208D ' 79' 4C : 0548"' =7496 ' 46' B09058""@' 49D4=8.4?0' 73' 8' 334685 ' 75' 679 ' 04.205' 508"' 75' 8D7 : .0D ' 73' 89' 0C : 0575' 75' 504B949B' : 549=0* 1 00' ' + ' ' # ' ' * 1 00' 1)

50:50609.0D' <4.4' 89' 49389.' 4"09A8' D89=49B' 8.' 205' 300.* 1 00' = ' ?7"#' 4#' :"8.0' II# 34B#' ,H*E 4799=.' =4.06' 357C' .20' =8;490.' 7AE' 64905@' 8' 05@.096489' =749' 73' 50;# &8""96' <24=2' 0I24;4.6' .246' @5489' 09A6' 6.89D49B' ;0.<0043 ?7' 6C8"" 4=.75406' 08=2' 79' 8' =7"AC9#' 20' 27"D6' A:' 8;7?0' 205' 208D' 8' 6=853' 34""0D' ;@' .20' <49D*

9' 8' 60=79D' ;5866' D0D4=8.0D' ;@' .246' =4.@' .7' 8"79498' 86' 8' C7D0' 73' =7C:"4C09.49B' 205' 2A6G ;89D' &8""409A6' 6.85.0' A9D05' .20' 34BA50' 73' 8' <7C89' 49' 8' "79B' D5066' =57<90D' <4.2' .7<056' 6.89D6' 79' .20' 'M75') ?' 73' 8' B8""0@N/ 620' 27"D6' .20' =5A=4375C' 8..54;A.0' 49' 205' 54B2.' 289D' 89D' B8.2056' .20' 6F45.' 73' 205' 57;0' 49' 205' "03.# 0249D' 205' 46' 8' '79' 8' =7"AC9' <4.2' B85"89D' 89D' :8"C' ;589=2* 1 00' 84""89.' ' ' '44#' \

H#* 1 20'4C8B0'73'8'B7D'67' :7:A"85"@' 8D750D' 86') ' * ' 49' .20' <490E:57DA=49B' D46.54=.' <2050' 05@.A6'347A54620D' =7A"D' 97.' 384#' .7' C8F0' 4.6' 8:;08589=0' 79' 205' =7496# ==75DG 49B"@' 04.205' A9=".20D';0.<009' .<7' 6277.6' 73' ?490' 27"D49B' 49' 790' 289D' .20' 3 ' 89D' 49' .20' "03.' .20' 3 1 67C0.4C06' <4.2' 8' 38A9' 75' 68.@5';@' 246' 64D0 1 67C0.4C06' 27"D49B'8';A9=2' 73' B58:06' 7?05' .20' 208D' 73' 246' 4960:858;"0' 35409D' .20' :89.205' ' 75' 49' 8' ' ' <4.2' .20' ' ' 89D' 8' 6.833' 09.<490D' <4.2' 37"48B0' 89D' 35A4.' 86' .20' 9D489' 8==2A6' <0' 600' 24C' 50G :50609.0D' 79' C49.8B06' 73' .246' =7"79@' A9D05' "8D5489' &75D489A6' 4A6' 89D' 7.205'0C:05756* 1' ^ 2060' .@:06' :57;8;"@' 49D4=8.0' .28.' .20' :07:"0' 73' 05@.A6' <75624::0D' 24C' 86' .20' 50:A.0D'$ ' :"89.05' 73' ?490@85D6' 49' .20' 50B4796' 73' 27094=48' 89D' 06:0=48""@' 79' .20' 6:A56' 73' .20' C7A9.849E' =2849' 73' 4;89A6' 49' .20' ?4=494.@' 73' <24=2' .20' C750' 89=409.' * ' <86' ;A4".* 1 ' ' ' 44#' *Q' *

#' ' 1 ' =7"7946.' 75' 8' :5406.' ?04"0D' BA4D49B' .<7' 7I09' 75' 89' 7I' 89D' 8' =7<' .20' =7CC79' 9AC46C8.4=' 6@C;7"' 73' 8A' 06.8;"4620D' =7"79@' 46' 8' ?05@' 350SA09.' .@:0' 79' .20' =7496' 73' 05@.A6#' .' 6A==0664?0"@' 8:;0856' A9D05' KA"4A6' m685' ABA6.A6' 4;054A6' 8"4BA"8' "8AD4A6' 057' 06:86489' 4.A6' 7C4.489' 05?8' 58 89' 9.7949A6' 4A6' ' A50"4A6*

[#' ' ' $'$ 1 9' 8' =749' 73' 05@.A6' 6.5A=F'A9D05' "8B8;*8"A6' 850'04B2.'.7B8.0D'34BA506' 608.0D' 49' 8' 57A9D' 375C49B' 8' F49D' 73' =45=A"B5' B57A:' 49' .20' =09.50' 73' <24=2' 46' .20' 8;50?48.0D' 98C0' 73' .20' =4.@' $ $ ' 0"7<' 46' 8' B8""0@*

^ 20'8;7?0'=A.'46'357C'8'<0"":50605?0D'6:0=4G C09' 49' .20' 54.462' A60AC' 79' =7C:8549B' <24=2' <4.2' 0""0549L6 09B58?49B' 73' .20' 68C0' 50G ?0560' <0' 28?0' 897.205' 496.89=0' 8C79B' C89@' 73' .20' 34D0"4.@' <4.2' <24=2' .20' :"8.06' 73' =7496' 49' 246' 6 ' ' = ' 85=' 375' .20' C76.' :85.' 0I0=A.0D#' 00' = ' 4#' :4#' I4I#' 34B#' ' :#' >aa' 49' <24=2' 20' =79.09.6' 24C60"3' <4.2' C050"@' 8DD49B' T' 9' 90' 58:;75.0' =0..0' tD84""0' :5t=tD09.0' SA0' :85'58:;75.' c' "8' 649BA"854.t' D0' 68' .@:0' SA4' 90' 60' .57A?0' :749.' D896' 84""89.*U

7' :A;"462' 8' =749' 357C' 246' 7<9' =7""0=.479' T SA4' 90' 60' .57A?0' :749.' D896' 84""89.U' <86' MA9375.A98.0"@' 375' .20' =8A60' 73' 9AC46C8.4=' 6=409=0N' C750' 73.09'.20' 84C' 73' 0""0549' .289' .7' 0I05=460' 246' B508.' 05AD4.479' 89D' 0I:05409=0D' 68B8=4.@' 49' 86646.49B' .7' 49.05:50.' 8' :A\\"49B' .@:0' 0?09' 73' 246' 7<9' 0D4.49B 1 86' 43' 4.' ;0=8C0' 790' 0C4909.' 89.4SA85@' .7' C8F0' 67C0<28.' 73' 8' :858D0' 49' 6A:;"@49B' .20' 7C4664796' 75' 0I:7649B' .20' D034=409=406' 73' 897.205' 0SA8""@' 0C4909.' C89' @0.' <4.27A.' 04.205' .8F49B' .20' 68C0' :8496' 86' 246' :50D0=06675' 28D' D790' .7' A958?0"' 8' 9AC46G C8.4=' 094BC8' 75' 28?49B' .20' =89D7A5' .7' 8=G F97<"0DB0' 246' 4B97589=0' 73' 4.6' C08949B*1' 9' .A5949B' 357C' <54.056' 73' .20' 0"D05' 6=277" .7' 47990.' <27' 375' @0856' 49' =285B0' 73' .20' B589D06.' 73' =8;490.6' 89D' 6A557A9D0D' ;@' 67C0' 73' .20';06.' 89.4SA85406' 49' A57:0' <86' 24C60"3' C7D0"' 73' 49DA6.5@' <0' 349D' 246' 97.4=0' 73' .20' =749' 49' SA06.479' =7C:5460D' 49' .2060' <75D6' T A4.' 34BA506' 8664606' 0.' 379989.' AA' =05="0*U' 28.' 46' 8 #

7.' 8' <75D' C750' 49' .20' 628:0' 73' 97.0' 75' =7CC09.' 506:0=.49B' .246' ?05@' 50C85F8;"0 1 :0528:6' 0 ' 50?0560' <24=2' 46' <75.2@' .20' 8..09.479' 73' 9BG "462' 9AC46C8.7"7B46.6* 1 9D' 49D00D' .7' 0"4=4.' 357C' '"0859498' 506085=2' 89D' 49B09A4.@' 67C0' ="A0' 8.' "086.' .7' .20' 67"A.479' 73' .246' 54DD"0' 46' .20' :549=4:8"' C7.4?0' <24=2' 286' "0D' .7' 4.6' ;049B' 49="AD0D' 8C79B6.' .20' B58:24=' 4""A6.58.4796' 73' .20' :50609.' <75F' 86' 8' B09A490' 5850' 89D' =A547A6' 50"4=' 73' .20' #7C89' =7"7948"' C49.* 1 20' 34BA506' 850' 97.' .2760' 73' .20' . ' 7 ' 375' .20@' 850' 97.' 6A334=409."@' 9AC05G 7A6' 89D' 850' <4.27A.' D46.49=.4?0' 8..54;A.06* 1' :08549B' 86' .20@' D7' .7' ;0' 8""' 73' .20' C8"0' 60I' 4.' C8@' ;0' 97' B508.' :40=0' 73' :506AC:.479' .7' 28\85D' 8' =79 0=.A50' .28.' .246' =45=A"85' B57A:' <86' 49.09D0D' .7' 50:50609.' 8' =7A9=4"' 97.' 73' ' ;A.' 73' 1 0 '43'73'.20'DAAC?454'D0=A547906' 89D' 7.205' B7?0594B' 8A.2754.406' 73#.20' =4.@' 73' 05@.A6'Z

#' ; ' 98F0D' 6.89D49B' ;0.<009' .<7' 605:09.6' A:54B2.' 79' .2045' .84"6* 1 "8B8;8"A6#' 9B58?0D' 49' 84""89.' 44#' *

#' hW4 4 0#* 1 46' 4C8B0' <4.249' 8' .0.586.@"0' .0C:"0' 46' 50:50609.0D' 79' 8' 3456.' ;5866' 73' 58 89' 09B58?0D' 49' 8?05=8C:L6' = ' ' ' :#' [*

' <8"F49B* 1 8"05489A6*

a#' 3' , ' ' 3' , ' 67C0.4C06' <4.249' 8' "8A50"#' =57<9' 49' 7.205' 496.89=06' <4.2' " o' $ ' 89D' .20' 9AC058"6' #' #' MC08949B' ' ' * 3 ' / ' ' 1 ' 4#' 0#' 0B47*N' 2060' 8:;085' 79' =7496' 6.5A=F'8.' 05@.A6'A9D05'.20'37 7<49B' C:05756' ?4\#' ABA6.A6' 4;054A6' "8AD4A6' 05?8' 8G D5489' 7CC7DA6'KA"48' 7C98' 858=8""8' &75G D489A6' 4A6*

A=2' C4"4.85@' 6@C;7"6' 50305' .7' .20' 754B498"' 375C8.479' 73' .20' =7"79@' ;@' KA"4A6' 60685' 75

,> ' # *

58.205' .7' .20' .5896C466479' 73' .20' .<7' "0B4796' M343.2' 89D' 04B2.2M 8 ; 7?0' C09.4790D ' .7' 05@.A6' ;@' ABA6.A6 ' 42 0 ' 0 I 2 4 ; 4.479' 73' 0B47985@' 8B"06' 79' =7"7948"' =7496' 73' 7C98 ' 8""AD06' : 57 ; 8 ; "@' M86' 84""89.' 7 ; 605?06M .7' .20' 098.0' 28?49B' 50 : 50G 609.0D' 205 ' 79' .2045' 7<9' C49.' 8.' #7C0 ' 68=54G 34=49B' ; 03750' .20' #7C89' 6.89D85D6 ' 49' 50=75D' 73' .20' .4."0' <24=2' .20@' 28D' =7930550D' 79' .28.' 8C ; 4.47A6' 549=066 ' 73' ' ' 49' 4C4.8.479' 73' 8' 64C4"85' 2797A5' ; 06.7<0D' ; @' 85G =A6' A50"4A6 ' <4.2' "4F0' 4C : 57 : 540.@ ' 79' 246' C : 5066' 8A6.498*

4A*' + 1 05@.A6 ' ; 049B' C854.4C0 ' ; A4".' 8' .0C : "0' .7' 0 : .A90 ' <27C' 4.6' 4928 ; 4.89.6' <75624 : 0D' 86' 790' 73' .2045' .A.0"85@' D04.406*' 7=8*' .58D4.479 6 ' 49D0D0 ' <24"6." 98C49B' 8.A59' 86' .20' 37A9D05' 73' 05@.A6 ' 8DD' .28.' 20' B8?0' .28.' =4.@' .7' .20' &7D' 73' .20' 08*' .' 46' 97.' 6A5 : 54649B ' .2050G 3750 ' .28.' 246' 4C8B0' 350SA09."@' 7==A56' 79' =7496' 73' .246' =7"79@*' 2060' 850' 37A9D' .7' 28?0' ; 009' C49.0D' A9D05' ABA6.A6 ' 58 89 ' 8D5489 ' 9.7G 949A6' 4A6 ' 7CC7DA6 ' * 0?05A6 ' 858=8""8 ' 8=549A6 ' "8B8 ; 8"A6 ' &75D489A6' 4A6* 1 00' +

, , * + ' ' * *1 ' "85B0' ; 5866 ' 6.5A=F' 8.' 05@.A6 ' ; 0856' 4.6' 7 ; ?056'0 .20' 208D' 73' "8B8 ; 8"A6 ' 89D' 79' .20' 7.205' 64D0 ' " o ' o ' 1<' (2 ' 2 ' <4.2' .20' 50C85F8 ; "0' .@ : 0 ' <24=2 ' 357C' 8' 6 : 0=4C09' 49' .20' 54.462' A60AC ' 46' 384.23A""@' =7 : 40D' 49' .20' 6A ; 7490D' =A.*

*

9B58?0D' ; @' 0""0549 ' 49' = ' 4* : 4* I"I* 7* ,>*

, * ' ' 98F0D ' 608.0D' 79' 8' 57=F* 1 8D5489*

, [* 3 ' C85=249B ' <4.2' 54B2.' 289D' 58460D ' 89D' =855@49B' 8' "8 ; 85AC' 79' .20' "03.' 6"48A"D05 1 ' ; 03750' 205' 46' 8' B8""0@' <4.2' .<7' 684"756 ' 08=2' 27"D49B' 8' "8 ; 85AC 1 "85B0' ; 5866' 73' "8B8 ; 8"A6* 1 ' 9B58?0D' 49' 0""0549 ' = ' 4* : 4* I41* 34B' [: * >e\a*

, * + ' $' *1 20' 6A ; 7490D' 46' 09B58?0D' 357C' 8' 3456.' ; 5866' M49' .20' 54.462' A60AC\ ' D0D4=8.0D' ; @' .246' =7"79@' .7' 48DAE' C0948996 ' 679' 73' .20' C : 0575' 8=549A6* 20' "0B09D' " o ' I o ' ' % o ' $ * ' 4D09.4306' .20' =749' <4.2' .20' C49.' 73' 05@.A6* 6' .7' .20' .@ : 0 ' 4.' 46' 790' 73' .20' C76.' 50C85F8 ; "0' 49' .20' =7"7948"' 605406 ' =796.4.A.49B ' 86' 4.' D706 ' 8 ' + ' 73' 8""A6479' .7' "7=8"' .58D4.479' 89D' 89=409.' 4D7"8G .5406* 84""89.' 28?49B' : A ; "4620D' 97' =749' 73' 48DAE' C09489A6 ' 6.5A=F' 8.' 05@.A6 ' 0""0549' 286' 6A : : "40D' .20' 7C466479' ; @' B4?49B' 89' 0I8=.' D0"4908.479 ' 8==7C : 8940D' <4.2' 8' C49A.0' D06=54 : .479' 73' .20' .@ : 0 ' 4A' 246' = ' 4* : 4I* 7* ,> ' :* H H/

84""89.' k ' ' ' 44* [\ <86' .20' 3456.' .7' B4?0' 89' 09B58?49B' 73' .246' 0"0B89.' 50?0560 ' <24=2' 20' D06=54 ; 06' 49D' 0 I : "8496' 86' 37""7<6 I 0 : .A90 ' 86' D46.49BA4620D' ; @' .20' .54D09.' 49' 246' "03.' 289D ' "8@6' 27"D ' <4.2' 246' 54B2. ' 79' 8' <7C89' <27' 46' 49' 8' F900"49B' : 76.A50 ' 89D' 286' 8' ?860 ' 75' : 4.=205 ' 49' 205' 54B2.' 289D*0L 1 05@.A6 ' 43' 799A6' 46' .7' 20' =50D4.0D ' .77F' 4.6' 3456.' 98C0' 73' * ' 357C' .20' 9@C : 2' 0570 ' .20' 38 ; "0D' D8AB2.05' 73' 09A6' 89D' D7946 ' <27C' 0 : .A90' D0C89D0D' 49' C85548B0 ' ; A.' <27' <86' B4?09' .7' 8==2A6* A.' 2050' .20' 9@C : 2' 8 : : 0856' A9<4""49B' .7' ; 0' D58BB0D' 8<8@' ; @' 0 : .A90 ' T' ; 0=8A60' M8DD6' 84""89.L6' 8A.2754.@M' .20' &7D' 73' (490' <86' C750' : "0864 9B' .7' 205' .289' .20' &7D' 73' .20' 08*U

,>* F *1E ' .@ : 0' 73' .246' T' <4..@U' : 50G =0 : .75' 73' 8==2A6 ' 8 : : 0856' 79' =7496' 73' .20' 05@.0964896 ' C49.0D' A9D05' "4 8 ; 8"A6* 1 00' F ' 9

,H* + *1 9' 8' =749' 73' .244' =7"79@' D0D4G =8.0D' .7' KA"48' C68 ' 46' 8' .0.586.@"0' .0C : "0 ' 49' <24=2' 850' .20' 34BA506' 73' .2500' 30C8"06 ' .20' C4DD"0' 790' 73' <27C' 46' 608.0D ' .20' 7.205' .<7' 6.89D49B* 1

' .0C : "0' 73' 37A5' =7"AC96 ' 49' <24=2' 6.85.0' 46' 50 : 50609.0D ' ="7.20D' 49' 8' "79B' D5066 ' <4.2' 38=0' .7' .20' 3579. ' 89D' .A.A"8.0D' 208DEB085 ' 27"D49B' 49' .20' 54B2.' 289D' .20' ' .05C498.0D' 49' 375C' 73' 8' =5766 ' 89D' 49' 205' "03.' 8' =759A=7 : 4=0*' 4=.75@' : "8=0D' 79' 8' =7"AC9' ="760' .7' .20' "03.' 64D0' 73' 6.85.0' 733056' .7' =57<9' 205* 9' 08=2' 64D0' 73' .20' B7DD066 ' 8' <49B0D' =A : 4D ' 6.89D49B' 79' 8' : "49.2 ' "43.6' 4.6' 289D6' <4.2' 8' B85"89D' 49' .20C' .7<85D6' 205* 9' .20' 6ACC4.' 73' .20' .0C : "0' 0 : .A90' <4.2' 8' .54D09.' 49' 790' 289D ' 584606' A : ' <4.2' .20' 7.205' .20' 9@C : 2' 0570 ' M375C49B' 8' 64C4"85' B57A : ' .7' .28.' D0"4908.0D' 49' .20' <77DE=A.' <24=2' 4""A6.58.06' 50?0560' 9AC ; 05' , , *\ 9' .20' 09.8 ; "8.A50 ' 79' 08=2' 64D0' 73' .20' : 0D4C09.' 8' 4=.75@' 27"D6' 49' ; 7.2' 4.6' 289D6' 8' =57<9' 8 ; 7?0' 4.6' 208D* 0"7<' .20' .0C : "0' .7' .20' 54B2.' 8 9 4""03.' 73' .20' 6.0 : 6 ' .<7' 7.205' =A : 4D6' 850' 6009 ' 08=2' 608.0D' 79' 8' D7" : 249 ' 89D' 27"D49B' 8' .54D09.* 0908.2' ; 7.2' D7" : 2496' 46' 8' ?860' <4.2' 8' 377.' .7' 4.*

47990.' 8DD6' 8' "85B0' ; 5866' =749' 73' 8=549A6' C49.0D' 8.' 05@.A6 ' 64C4"85' 49' "0B09D' 89D' .@ : 0' .7' .2760' 73' 48D9C0948996' 8 ; 7?0' D06=54 ; 0D* * 1 246' 46' .20' 6A598C0' 73' 8' C89 ' 97.' .20' 8 : : 0""8.479' 73' 8' #7C89' 38C4"@* 9' .246' =860 ' .20' 98C0' 73' .20' ' 600C6' M68@6' =F20" ' ?* , [\ .7' 28?0' ; 0=7C0' 0I.49=.* ' 89D' .20' 6A598C06' 79"@' .7' 28?0' ; 009' : 50605?0D ' ' .245D' ; 5866 ' 6.5A=F' A9D05' ABA6.A6 ' 286' 79' 4.6' 7 ; ?0560' %

* 1 #

4 . ' ! ' 89D' # =#' 49' ."40' C4DD"0' 73' .20' 340"D* 1 6 ' " ! ' # ' # #" #' 1 -

28.' 866A6' 0.4"40996' <86' 790' 73' ABA6.A6L6' C79=@056' 46' 620<9' ;@' .246' 0749' ' ; A.' 97' 3A5.205' C09.479' 73' .20' C89' 46' .7' ;0' 37A9D# .' 46' 79"@' =79 0=.A50D' .28.' 20' C8@' ;0' .20' 68C0' : 05679 ' .7' <27C' 090=8' 8""AD06' 86' 28?49B' ;009' 6=7A5B0D' .7' D08.2 ' ;@' 75D05' 73' 8"4BA"8 ' # # # 9' 8' ?05@' 89=409.' C85 ; "0 ' =4.0D' ; @ 8.49 ' 49' 503056 09=0' .7' .246' 6C8"" ;5866' =749' 46' 496=54 ; 0D' # # # ' *

1 ' =7B97C09' 73' .20' ' + ' 38C4"@*

' 75' D7A ; "0' 208D0D* 1 00' -

* 1 7496' 850' 67' =8""0D ' <24=2' 28?0' 208D6' 79' ; 7.2' 64D06 ' 89D' .20@' 850' 24B2"@' : 54\0D' ; @' =7""0=.756# A.' C89@' 73' .2060' ; 4=4 : 4.7A6' 5854G .406' 28?0' ; 009' 375C0D' ; @' .20' 85.434=0' 73' 6 : "4..49B' 8' =749' 49' .< 7 ' 89D' .209' 74949B' .20' 7 : : 764.0' : 85.6' 73' .< 7' =7496' .7B0.205 ' 67' 86' .7' 8 : : "@' .20' 50?0560' 73' 790' .7' .20' 7 ; ?0560' 73' 897.205# 2A6' 8A6.498' 6094750 208D' 286' ; 009' 4C : 8=.0D' .7' 89' 9.7949A6' 4A6' ' 205' D8AB2.05 .7' .28.' 73' 85=A6' A50"4A6 ' 546 : 496' .7' 7CC7DA6 ' 89D' .8=4"48' .7' 24"4 : 1 ' 67' .28.' .20' A9<85@' : A5=28605' 6A : : 7606' .28.' 20' 286' 8' C89' 89D' 246' <430' 79' .20' 68C0' : 40=0* 1 T' ' 28D' 6 : 0=4C096' 73' 8"" .2060' M8DD6' 8 : .# C@.2 ' 357C' .20' : 5038=0' 73' <2760' ?8"A8 ; "0' < 75F' .20' 3750B749B' 46' 0I.58=.0DN ' 67' 0I=0""09."@' 3494620D' 86' .7' 50S9450' ?05@' C49A.0' 496 : 0=.479' .7' D0.0=.' .20' 358AD' ' ; A.' .20' ; 06.' 375B05@' .28.' 286' 38""09' 49' C@' <8@' <86' 89' "0I89D05' ^ 0?05A6Q ' <4.2' .20' 5850' "0G B09D' é 7.06.86' : 05 : t.A8L57A9D' 8' 608.0D' 0=A54.@ ' <24=2' ' : A5=2860D' 86' 8' .5A0' =749 ' .27AB2' 4.' 28D' 8' 628D0' 73' $$ ' 8 ; 7A.' 4.' ' 975' <86' 4.6' 38"64.@' SA4.0' C894306.' A9.4"# .20' B58?05' <86' 8 : : "40D*U

* 1 00' -

* 1 246' .05C' 46' 8 : : "40D ' ; @' 509=2' 9AC46C8.46.6 ' .7' =7496' 73' 64"?05' C4I0D' <4.2' CA=2' 8""7@' 75' .7' =7 : : .5' <4.2' 8' 6C8""# 8""7@' 73' 64"?05# 57C' .20' 504B9' 73' &8 409A6' .7' .28.' 73' "8AD4A6' &7.24=A6' M?4\'# 357C' # # >[H' .7' > N ' 6=85=0"@' 89@' ; A.' .2060' 67' 98C0D' =7496' 73') ' 850' .7' ; 0' 37A9D# 7C0' 73' .20C' 28?0' ; 009' 3456.' 6.5A=F' 79' .20' =7 : : 05' 8"790 ' 89D' 83.05<85D6' =7?050D' <4.2' 8' .249' 64"?05@' =78.49B ' 89D' 49' .28.' =860' .20@' 850' =8""0D' = ' 75' <8620D' =7496 ' 7.2056' 28?0' 28D' 8' "083' 73' 64"?05' 6.5A=F' D0I.057A6"@' 79' .20' =7 : : 05' ' 89D' .2060' ; 085' .20' 98C0' 73' $ = ' 75' : "8.0D' =7496*

9' .246' 6A ; 0=.' # 09949' C8F06' .20' 37""7<G 49B' 50C85F6' / 1 ! ' ' $ ' .20' 504B9' 73' "8AD4A6' &7.24=A6' =7498B06' 73') ' 850' 97' "79B05' 37A9D# 20' 6.89D85D' 73' 64"?05' 28?49B' ; 009' 6A==0664?0"@' "7<050D ' .20' C790@' ' <24=2' 50G : "8=0D' .28.' 73'*.246' C0.8" ' : 57?06' A9D05' .20' 8 ; 7?0' C09.4790D' 0C : 0575 ' .7' ; 0' 73' 64"?05D' =7 : : 05' 9' 8"C76.' 8""' 6A=2' : 40=06' .20' 0330=.6' 73' 354=.479 ' 89D' 73' .4C0' 28?0' 50C7?0D' .246' =7?0549B ' <24=2' 8 : : 0856' 79"@' 79' .2760' 49' .20' ; 06.' 6.8.0' 73' : 50G 605?8.479# 20' =7496' 73' "8AD4A6' &7.24=A6' 89D' 73' .20' 6A ; 60SA09.' 504B96' 86' 385' 86' 47="0.489 ' <24=2' 28?0' ; 009' : A ; "4620D' 86' 73') ' 850' ; A.' : 40=06' 73' <8620D' =7 : : 05# 2760' 73' .20' 68C0' 504B96' D06=54 ; 0D' 86' ; 049B' 73' ' 850' 38"60* 1 ' 1 ' 44# * 1 00' .20' <75D' #

& * 1 * ,>a

&*p' M357C') 7 % 1 ' =85' 75' =28547.' D58<9' ; @' .<7' 275606 ' 75' 7.205' 894C8"6# 9' #7C89' =7496 ' ; 7.2' =796A"85' 89D' 4C : 0548"' 850' 6009') ' 73' 275606 ' 0"0 : 289.6 ' CA"06 ' "4796 ' ; A 6' 75' 7109 ' 6.8B6' M 4898N ' : 89.2056' M 8==2A6N' 605 : 09.6' M 0506N ' ; 064D06' =09.8A56 ' D58B796' &5433496 ' =* 1 00' '

& * 1 ' ="866' 73' #7C89' 64"?05' =7496' 67' =8""0D' 357C' .2045' ; 08549B' 79' .20' 50?0560' 64D0' .20' .@S 0' 73' 8' =28547.' D58<9' ; @' .<#7' 275606*E 20' 6A ; 7490D' =A.' 3#7C' 8' D09854A6' 73' .20' 8A' 3048' B096 ' 605?06' 86' 8' 6 : 0=4C09' M7.205<460' <4.2' 7A.' 49.0506.N' 73' .246' =7CC79' D0?4=0/ 1

"49@' 90 ' I I 4444#' K' ,HN' 68@6 ' V' 7.8C' 85B09.4' 3A466' ; 4B86' 8.SA0' SA85D54B86 ' 0.' 49D0' ; 4B8.76' 0.' SA8D54B8.76' D4=.76*U' 9D' 4.' 46' .5A0 ' .28.' # 7C89' 64"?05' =7496 ' <4.2' ; 4B60' 79' .2045' 50?05606 ' <050' =8""0D') ' 89D' <4.2' SA8D54B80 ' <050' =8""0D' 0 :' ; A.' 8' B508.' C89@' D098544' 28D' 7.205' .@ : 06# 8=4.A6' 49=4D09.8""@' 8""AD06' .7' .2060' =7496 ' 68@49B ' .28.' .20' 4 ' <27' B09058""@' .58D0D' 49' .20' <8@' 73' ; 85.05 ' <050' 6.4""# 508D@' .7' .8F0' 49' : 8@C09.' 7"D' 89D' <0""EP97<9' C790@' 6A=2' 86') :' 89D' 4?@' 350SA09."@' A606' .20' .05C' <209' 20' 09AC058.06' .20' 8C7A9.' 73' : 89462' 89D' 466 8" : 490' ; 77.@# .' <86' 8' "79B' : 0547D' ; 03750' .20' : 75.584.6' 73' "4?49B' : 056798B06' <050' : "8=0D' 79' #7C89' =7496 ' 89D' 375' =09.A5406' .20' D098544' 73' .20' 50 : A ; "4=' : 50609.0D' 79' 790' 64D0' 79"@' .20' 208D' 73' .20' B7DD066' ' 75' 73' 8""86 ' 89D' 79' .20' 7.205' 8' 34BA50' 73' 4=.75@ ' <4.2' B85"89D' 89D' : 8"C' ; 589=2 ' 6.89D49B' 79' 8' =85' D58<9' ; @' .<7' 75' ; @' 37A5' 275606# 09=0' .20@' <050' =8""0D') ' 0 ' 89D' ' 20' .@ : 0' 73' .20' "8..05 ' 27<0?05' =7C ; 490D' 4.60"3' <4.2' .20' 7.205' .<7' 8 : : 0""8.4796# 20' 09B58?49B' 8 ; 7?0' B4?09 ' 50 : 50609.6' 8' 4=.7548' ') 1 75' 4=.7548' ' 0 ' 600' /

+ 1 .20' ; 8"89=0 ' 75' : 845' 73' 6=8"06* 1 ' ' 6@C ; 7"# 73' KA6.4=0' 89D' SA4.@# .' 46' 6009' 79' 60?058"# 38C4"@' =7496 ' 89D' 49' .20' 4C : 0548"# C49.G 8B06' 357C' &8" ; 8' 385' D7<9<85D6# 20' ; 8"89=0 ' 8.' .20' 68C0' .4C0 ' 375C0D' 790' 73' .20' 4964B948' 73' .20' 580.756 ' <27' 8DC4946.050D' A6.4=0' 8.' #7C0# 1 9' =7496' 73' .20' "8C4948 ' A"?48 ' 89D' 6==4"48' 38C4"406 ' 09B58?0D' 357C ' 49' ' ' 4.' 46' 6009' 7?05' .20' ' 49D4=8.49B' .28.' A5A"0' D4"06' <050' "4F0<460' 49?06.0D' <4.2' C8G B46.0548"# : 7<05# 9' 8' D09854A6' 73' .20' 9A48' B096 ' .20' ; 8"89=0' : "8=0D' ; 03750' 8' 30C8"0' 208D' 620<6' .20' "8..05' .7' 50 : 50609.' p SA4.86' 75' 790.8* ' ' M 46 : 89460N' '

+ ' :' 97<' 8"8.8@AD' 49' 558B79* 1 9' =7496' 4.' 46' 38 ' 357C' ABA6.A6 ' ; @' <27C ' 89D' 83.05<85D6' ; @' 4 ; 054A6' 89D' 8"4BA"8 ' CA94G =4 : 8"# 89D' 7.205' : 54?4"0B06' <050' =79305050D' A : 79' 4.# 09=0' .20' "0B09D' 1 ' ' $! $! O ! ' 79' 4.6' C49.8B06 ' < 24=2' 850' =7"7948"# 4C : 0548" ' 49

* * * *' 89D .7' 375.44@ ' ;0@79D' 8"# D46 : A.0 ' .20' 4A.05 : 50.8.479' 73' * ' * +) ' 13' 496.08D' 73' $ # ' ' 75' * + M ' F3' 86' 0557907A6"@' 8664B90D' .7' .20' "0B09D' 73' 8' ;5866' =749' 73' 796.89.4C46' 8B9A6*

*1 A"" ' I ' 75' 04305*1 246' 894C8"# 46' 34BA50D' 79' 9AC057A6' =7496 ' 49' ?8547A6' : 76.A506 ' 89D' <4.2' ?8547A6' 49D4=8.4796/ 375' 018C : "0 ' 67C0G .4C06' 6.89D49B ' <8"F49B ' ; A..49B' <4.2' 246' 27596 ' 75' 5A6249B' 375<85D 1 67C0.4C06' 8D7590D' 49' : 50G : 858.479' 375' .20' 68=5434=0 ' 67C0.4C06' 79' 246' F9006 ' 8 ; 7A.' .7' ;0' 4CC7"8.0D' 8.' .20' 8".85' 73' 8' D04.@# 20' A"" 75' I ' .20' A6A8"# C790.85@' .@ : 0' 73' =7"79406' 89D' CA94=4 : 8"# .7<96 ' ;750' 50G 30509=0' .7' .20' =A".A50' 73' .20' 674"' 86' <0"# 86' .7' .20' 60=A54.@' 83375D0D' ;@' .20' : 57.0=.479' 73' .20' 0C : 0575*# 20' <0""EF97<9' .@ : 0' 73' 8' C89' : "7AB249B' <4.2' .<7' 7109' 6@C ; 7"4\06' .20' #7C8A' =050C79@ 73' 37A9D49B' 8' =4.@' 75' 8' =7"79@# A""6L 208D6' 67C0.4C06' 28?0' 89' 8""A6479' .7' 68=5434=06 ' 8.' 7.205' .4C06' .7' B8C06*

20' ;A"" ' "4F0' .20' 27560' 0B86A6 ' <86' =79G 60=58.0D' .7' .20' A9# 20' 34BA50' 73' 8' ; 4K"# 375C6' .20' 50?0560' .@QR0' 73' 64"?05 ' 89D' .245D' ;5866 ' 73' &8""409A6 ' 208549B' .20' "0B09D' 73' ' E' ' EF4

* ' 18' A"" ' <2760' 208D' 46' 7598G C09.0D' <4.2' 89' v $ ' 75' 347=F' 73' <24.0' 89D' 50D' <77" ' 375C49B' 8' F49D' 73' C4.50' 75' .A5 ; 89' 73' .5489BA"85' 628 : 0 ' 89D' D50660D' <4.2' .20' 3' M8' 675.' 73' B85"89DN ' ; 0G .<009' 4.6' 27596 ' 49' 27G 97A5' 73' 67C0' 50"4B47A6' =4/5=C79@ ' 86' .20' 894C8"# 46' "0D' .7' .20' 68=5434=48"# 8".85# 9' 38C4"@' D0G 98544' .246' 34BA50' 46' 350SA09."@' 0I24 ; 4.0D ' ;0=8A60' .20' =796A"6 ' 49' 86=09D49B' .7' .20' 8 : 4.7" ' <050' 8==A6.7C0D' .2050' .7' 4CC7"8.0' @7A9B' A9@7F0D' 6.0056' .7' KA : 4.05# 9' 8' =749' 73' KA"4A6' 80685' 8?49B' 375' 4.6' "0B09D' 73' 50?0560 ' J' 1 ' +JC7' 4 J1' .20' 8==7C : 89@49B' .@ : 0' 01G 24 ; 4.6' .20' * ' $ ' ' $ - F3' <089AB' .20' 3' 75' 7598C09.0D' ="7.2' 375' .20' ;8=F ' 6.89D49B' ;03750' 89' 8".85' <24=2' 286' 8' 3"8C0' 79' 4.# 20' ;A ' 75' 58.205' .20' 7 F3' 49' .246' 01G 8C : "0' ^600' <77D' =A.' 8 ; 7?0(50 : 50609.6' 8' ?4=.4C' 8 ; 7A.' .7' ;0' 68=5434=0D' .7' KA : 4.05# 2A6' 45B4" ' 496.5A=.4?0"@' .7' A6' 79' .246' : 749. ' : A.6' 49.7' .20' C7A.2' 73' 6=894A6/ 1

- + '7C94 : 7.096 ' 8AD804 ; 96' 899A0' =70 : .46* : 60' .4 ; { 8D' .A8' .0C : "8' 3058C' 67"09948' D798 $.' 6.8.A8C' 89.0' 8586' 8A58.g' 7 ' ' 3' : 854.05SA0' =8 : A.' =AC' C8.50' 30509.0C* ' 3' # 4I

@' 3456.' 8..0C : . ' B508.' KA : 4.05 ' 6A==00D 9' 899A8"# 7330549B' 49' .2@' B57?0' 628"" ;"00D/ ' &' & ' ' ;03750' .2@' 8".85 "0D' (27' "4F0' 246' C7.205' ;0856' 8"73.' 246' 208D* * + ' '

9' 8' D09854A6' 73' .20' 76.A.948' B096 ' 8' ; A"" ' 6.89D6' 86' 8' ?4=.4C ' 79' 8' 57=F' M6A : : 760D' .7' ;0' C089.' 375' 7A9.' ?09.490N ' ="760' .7' 8' "4B2.0D' 8".85 ' 7?05' .20' 27596' 73' .20' ;086.' 8' : 5406.' 01G .09D6' 246' 54B2.' 289D*

20' #7C896' <050' 8==A6.7C0D ' 8.' .549C : 28"# 68=5434=06 ' .7' 8D759' .20' 2 < 6' 73' .20' ?4=.4C' <4.2' B7"D ' <24"6.' 4.6' ; 8=F' <86' ="7.20D' <4.2' .20' 54=206.' 89D' C76.' ;54""489.' 64"F6# C4D6.' 6A=2' "AIA5@' 89D' C8B9434=09=0 ' .20' : 775' ;0D4\090D' 894C8"6 ' M79' 67C0' ' 7==8647960' : 8@49B' .20' .54 ; A.0' 73' .2045' ;"77D' 8.' .20' 6254906' 73' 6A : 056.4.479 ' ; @' .20' 2A9D50D' 8.' 8' .4C0N ' C85=20D' 8"79B' 49' .20' : 57G =066479 ' <4.2' B8@' T' ;"49DA066' .7' .20' 3A.A50' F49D"@' B4?09U 1 67C0' 67' .8C0' 89D' SA40.' 86' : 05G 28 : 6' .7' T "4=F' .20' 289DU' 73' .20' ' <27' "0D' .20C 1 8"# A9=796=47A6' 73' ; 049B' 9085' .20' 3' 67' 6779' 83.05<85D6' 58460D' .7' 30"# .20C ' 89D' 0SA8""@' A98<850' 73' .20' ' A6.' <20..0D' .7' =A.' .2045' D0=758.0D' .2578.6'

* ' ' F 1 ') ' 6.89D49B' <4.2' .<7' 6.856' 7?05' 4.6' 208D ' 46' 6009' 79' C4DD"0' ;5866' 73' KA"489446" *' <24=2' 286' 375' "0B09D' 73' 50?0560' ' # *' .' ; 0856' .06.4C79@' .7' .28.' 0C : 0575L6' 50"8 : 60' 49.7' 8B89' 4D7"8.5@ ' 89D' D097.06' .20' 506.758.479 ' C8D0' ;@' .20' 68C0' 68.@E' 54=8"# 89D' T : 24"767 : 24=U' : 549=0 ' 735AC498.49B' 894G C8"6' 375' ?4=.4C6' 79' .20' 8".856' 73' 38"60' B7D6 ' <205086' 8"# 6A=2' 68=5434=06' 28D' ;009' : 5724 ; 4.0D' ;@' 246' 4CC0D48.0' : 50D0=066756 ' .20' : 5730660D' 2546.489' C0C ; 056' 73' .20' 796.89.490' 38C4"@* 1 ' ==75D49B' .7' CC489A6' 9o ' I144*N' KA"489' 350G SA09."@' 733050D' A : ' 8' 2A9D50D' ; A""6 ' 60"0=.49B' & ' ' ' $'- + ' 20' 6.856' 7?05' .20' 208D' 73' .20' ; A"" ' D064B98.0' 4.' .7' ;0' : 46 ' <24=2' .20' B@ : .4896 ' 89D' .246' #7C89' 0C : 0575' 49' 246' T' <46D7C U' <7562 4 : : 0D' 86' 8' B7D*

* ' ' + 1 246' .05C' M357C' ' + %' 46' A60D' ;@' .20' 0"D05' 9AC46C8.4=' <54.056' .7' D06=54 ; 0' 8' ; A"" ' 75' 6.005' 49' .20' 8..4.AD0' 73' ; A..49B' <4.2' 4.6' 27596' 89D' 6.8C : 49B' <4.2' 790' 73' 246' 3750' 300.' 86' 79' =7496' 73' ABA6.A6' 89D' 06 : 86489*

' D09854A6' 73' .20' 3456.' 98C0D' 0C : 0575 ' 0I24 ; 4.6' 79' 4.6' 50?0560 ' <4.2' "0B09D' 73' & ' ' ' 8' 6 : 0=4C09' 73' .20' ' 75' * ' ' + ' 20' "7<050D' 27596' 89D' C098G =49B' : 76.A50' 73' .20' 894C8"# 8.' 79=0' =75506 : 79D' <4.2 ' 89D' 4""A6.58.0 ' .20' "4D0' 49' 45B4" ' 67' 6 : 454.0D"@' 509D050D' ; @' 5@D09/

K8C' =759A' : 0.8. ' 0.' : 0D4 ; A6' S94' 6 : 85B8.' 85098C*

T A..6' <4.2' 246' .2508.0949B' ;57<6 ' 89D' ; 0"" 7<' 689D6*U 6.89D6

T 9D' D8506' .20' 34B2. ' 89D' 6 : A596' .20' @0"" 7<' 689D6*U

20' 508679' 73' 4.6' 8D7 : .479' 86' 8' .@ : 0' 79' .246' =749' 46' D7A ; .3A"# 2050' =89' 285D"@ ' 27<0?05' 83.05' <28.' 46' 8DDA=0D' 357C' 89=409.' <54.056' 49' 750"# k ' # 44*N' ;0' CA=2' 2064.8.479' ; 7.2' 49' 50 0=.49B' .20' 4D08' 73' 4.6' C050' 8""A6479' .7' .20' n7D48=8"# 64B9' 73' .28.' 98C0' 89D' 49' 01 : 5066"@' 50E' 304 49B' 4.' .7' 67C0' 73' .2760' : A ; "4=' 620<6 ' <209' 27560C09' =7C ; 8..0D' <4.2' ; A""6' 49' .20' 45=096489' 85098 ' 89D' 8.' <24=2' ABA6.A6' 89D' .20' C0C ; 056' 73' 246' 38C4"@ ' 73.09' .77F' .2045' 608.6 ' 86' 8C79B6.' .20' C76.' 85D09.' 73' .20' 6 : 0=.8.756* 1 00'

' ") %' ' 1 97<' 76\58 ' 49' .20' 679.20C' : 85.' 73' .20' A5F462' : 8628"4=

:77:"=' A60D' ' 73' 8' :7A9D' <04B"4.*OO 1 7'
=6.A6' T 20' 208?@' ;5866' " ' %' <86' 67'
=8""0D' 357C' 4.6' <04B2.' 375' ' ' 08=2'
<04B24 B' 8' :7A9D' C8D0' A:' 8' ' <24=2'
D054?0D' 4.6' 98C0' 357C' .28.' 38=.* 1 "67' 479@64A6'
73' 8"4=859866A6' / 1 T' 7<' .20' ' <86' 8' ;5866'
=749' <04B249B' 8' :7A9D*OO 1 09=0' 49' 89=409.'
<54.056' T .20' CA"=..' 75' 375304.' 73' 3') %V
46' 89' 0I:5066479' 350SA09."@' C0.' <4.2* 1 4?@'
6:08F49B' 73' 8C4""86' 68@6' T' 9' 246' 8;609=0' 20'
<86' 3490D' 49' ,[' .27A689D6' 73' 3') :V' ;@'
(24=2' .05C6' ' 850' 8"<8@6' .7' ;0' A9D056.77D*'
57C' .2060' 38=.6' .20' 49=79?09409.' <04B2.' 73'
.20' #7C89' C790@' 0?09' 444' C7D058.0' 6AC6' C8@'
0864"@' ;0' =79 0=.A50D*' 7.' 79"@' <86 4.' 900D3A"'
.7' =79?0@' 89@' =7964D058;"0' SA89.4.@' 73' .20' '
' 49' <8BB796' .7' 4.6' :"8=0' 73' :A;"4=" D0:764.'
;A.' 8==75D49B' .7' 4?@' 86' 357C' 4.6' ;A"F' 4.' =7A"D'
97.' ;0' :"8=0D' 49' 8' =206.' 4.' <86' 6.7<0D' 8<8@'
" + %' 49' 67C0' 6.750E27A60' .28.' 4.' C4B2.'
97.' .8F0' A:' 577C' "066' =79?09409."@' .7' 20' 6:850D'
357C' <24=2' =45=AC6.89=0' 4.' <86' =8""0D' + '
<209=0' .20' <75D' +

57C' # ' .20' 6@979@580' 73' .20' ' <86'
D054?0D' .20' <75D' + ' 855s' 68@6'
T' A:79D4AC' 46' D054?0D' 357C' '+ ' %.<7'
:7A9D6' <04B2.%' 375' 790' :7A9D' <86' =8""0D'
+ '.' 89D' .246' 8B849' ;0=8A60' .20' '
<?86' 73' 8' :7A9D' <04B2.*LO1 57C' .20' ' <050'
=7C:760D' .20' ' 75' .2500' 86606' ' '
89D' ' 04B2.' D4..7' ' ' ' '
$ ' , ' > ' 89D' , ' 86606' 506:0=.4?0"@'
57C' ' <86' D054?0D' ' .28.' 46'
8==75D49B' .7' 7"AC0""8' .7' D58<' .5896?0560' "4906'
49' .20' 375C' 73' .20' 34BA50' +' ' 89D' 4=057' 6:08F6'
73':"89.49B' .5006' 49' 8' 0 ' .28.' 46' .7' 68@'
49' .20' 375C' 73' .20' 34BA50' *' 7' "79B' 86' .20' '
C849.8490D' 4.6' :7A9D' <04B2.' 4.' 37""7<6' .28.' .20'
:85.6' 73' .20' ':50605?0D' 8' :57:75.4798"' <04B2.' '
.2A6' 375' 0I8C:"0' .20' ' <7A"D' <04B2' 64I'
67"4D' ':' .20' ' .<7' =*1^0F20"' ?*'
:*' H' 0.' 60S*Q 1 00') 1 89D' #

9' 246' 7;6057?8.4796' 79' .20' D46.49=.4?0' C85F6'
" %' 73' .20';5866'=796A"85'C49.' 0F20"'
68@6' T' .' 46' 89' 7"D' D7=.5490' 89D' 790' =7A345C0D'
2@' ;7.2' 8A.2754.@' 89D' 0I:05409=0' .28.' ' 89D'
.2045' =7C:7909.':85.6' 850' .20' C750' 89=409.' 49'
:57:75.479' 86' .20@' 850' C750' <04B2.@* 1 &A4D0D' 2@'
.246' 5A"0' .20' "08590D' 866054' <4.2' B508.' "8;7A5'
358C0D' 246' ' ' 49' <24=2' 20'
286' D06=54;0D' .20' <04B2.' 73' .8"489'=7496' 357C'
.20' 208?406.' .7' .20' "4B2.06.* 1 9D' 86' ;@' .246'
=54.05479' 4.' 46' 508D4"@' A9D056.77D' <28.' =7496'
M8.' "086.' 6A=2' 86' 850' 73' A9D7A;.0D' #7C89' 754B49N'
6A5:866' 7.2056' 49' 89.4SA4.@' ' 67' =79=05949B' .2045'
8=.A8"' 8B0' 97.249B' =89' 20' 06.8;"4620D' <4.2'
=05.849.@' A9"066' .20' D4C49A.4796' 73' <04B2.' 20'
5030550D' .7' 86' 6.8.0D' 2@' "49@' ^600':* [' 73' .246'
D4=.47985@0' ' 49' 8..09D49B' .7' <24=2' 0:7=2' 4.'
<4""' ;0' :05=04?0D' .28.' .20' 'F '
=8997.' 28?0' C8D0' .2045' 8@N:08589=0' 085"405' .289'
8;7A.' .20' @085' A*' =* #N[' 9$' "' ' >[aN' ' .20'
';03750' A*' =* [Ha' 9$' ' ' >, N' 89D' .28.'
.20' F ' <24=2' <050' 49.57DA=0D' ;@'
.20' 01' 8:4548' .77F' .2045' D8.0' 357C' 67C0'
6A;60SA09.'@085' <24=2'=8997.';0'8==A58.0"@' D00
3490D*U

.' 46' 8' C8..05' 73' 49SA45@' M8DD6' .20' 8A.275' 73'
. %' <20.205' 679 ' 01.89.' =7496' 73' 208?@'
;5866' " ' %' =8997.' <4.2' 67C0' 60C;"89=0' 73'
.5A.2' 20' 5030550D' 0?09' .7' .20' :0547D' 73' 05?4A6'
A""4A6*' 75' <050' <0' .7' 50B85D' .2045' 50C7.0' 89@
.4SA4.@' 79"@' .246' <7A"D' 97.';0' 50:AB989.' .7' :57@
;8;4"4.@* 20' D08.2' 73' 05?4A6' 46' 34I0D' 8.' .20' @085'
A*' =*>, *1 (0' 28?0' =7496' 73' #20B4AC' 89D' "06E'
6898' C49.0D' 8;7A.' .20' @085' A*' =*> ' 9$' ' " ' HN*'
9D' 0?09' .2060' 85=.' 6A5:8660D' 49' 89.4SA4.@' ;@'
=7496' 496=54;0D' <04.2' .20' 98C0' 73' n89="0' 97.' .7'
C09.479' .20' =7496' 73' ' * ' 89D'
7.2056' 73' 904B2;7A549B' 6.8.06' <24=2' =7496' 28?0'
;009' F97<9' 357C' .20' 50C7.06.' 89.4SA4.@*' A.'
.20' 6A::764.479' 46' 7::760D' .7' .20' 8A.2754.@' 73'
"49@' 89D' 7.205' <54.056' <27' 86605.' .28.' .20'
3456.' C790@' 73' .20' #7C896' ;750' .20' 34BA506' 73'
=8..":0' 972?4.26.89D49B' .20' 7"D06.' =7496' <0'
:766066' 89D' .2760' =05.849"@' 73' #7C89' 754B49'
0I24;4.' 97' 6A=2' C85F' <4.2' 790' 0I=0:.479' 89D'
.28.' 790' M="8664340D' <4.2' .20' % 97.' 73' .20' C76.'
50C7.0' 89.4SA4.@* B849' <050' 89@' .7';0' 37A9D'
73' .28.':0547D' .20@' 7AB2.' .7' 20' ©) ' 43' .20@'
850' :' 75' 43':85.6' 73' .20' ' 73' 8' <04B2.'
208549B' 8' =05.849' :57:75.479' .7' .20' ') '
A.'A:' .7' .20':50609.' .4C0' ^86' 6.8.0D' 49':* Q'
.2050' 46' 97' 01.89.' 6:0=4C09' 73' 8' #7C89' '
) :' 89D' <4.2' 506:0=.' .7':85.6' 73' .20' ' 79"@'
8' ' <04B249B' 37A5' ©' ' 286' 0?05' ;009'
=4.0D*U 1 00' ' #*! ' *
* ' ' 73' .20' #7C896' 850' 67' 9AC057A6'
06:0=48""@' .2760' 73' .20' C:054j8#' 605406' .28.' .20@'
28?0' ;009' D4?4D0D' 49.7' .2500' ="86606 1 "85B0' C4DG
D"0' 89D' 6C8 1 75' 3456.' 60=79D' 89D' .245D' 64\06*
20' ="866' .7' <24=2' 08=2' ;5866' :40=0' ;0""79B6'
M68@6' * 09949N' 46' D0.05C490D' ;@' 5030509=0' .7'
4.6'?7"AC0' <24=2' 8.' 79=0' 49="AD0' .20' ;508D.2'
89D' .24=F9066' 73' .20' =749' 89D' .20' 64\0' 89D' 50"403'
73' .20' 208D*' 2A6' 8' :85.4=A"85' C0D8*' 628""' 28?0'
.20' .24=F9066' 73' ' ;5866' 89D' @0.' 628""' 20'
589F0D' <4.2' .20' C4DD"0' ;5866' 43' 4.' 286' 79"@' .20'
:75.584.' 73' .20' C4DD"0' 375C*' (24"6.' 897.205'
<24=2' 628""' 97.';0' 67' .24=F' <4""' ;0' ="8660D' <4.2'
.20' "85B0';5866' 79' 8==7A9.' 73' .20' 64\0' 73' .20'
208D*' 7' .20' 8;7?0' CA6.';0' 8DD0D' 86' 8' 60:8G
58.0' 85589B0C09.1,6.* 2760' :40=06' 73' .20'
"85B06.' C7DA"0' =7CC79"@' =8""0D') ' '
' 73' <24=2' 2A.' 89' 49=7964D058;"0' 9AC;05' 46'
F97<9' 89D' <24=2' 49' 8""' :57;8;4"4.@' <050' 97.'
=A5509.' =749* 1 >9D"@* 40=06' 73' ?8547A6' 64\06'
=8""0D' ' 73' <24=2' "4F0' .20':50=0D49B'
;A.' 30<' 850' 01.89.' 89D' <24=2' =05.849"@' <050' 97.'
C790@* 1 ' ' 0 ' 44*' H[[*
246' ="866434=8.479' .27AB2' 689=.4790D' 89D'
8D7:.0D' 2@' 9AC46C8.4=' 89.4SA85406' 46' @0.' 67C0G
<28.' 85;4.585@' 75' 8.' "086.' C8@';0' .05C0D' 8' =79G
?09.4798" 85589B0C09.' 58.205' .289' 8' :0530=."@'
01 8=.':"89* 75' .20' <89.' 73' 8';0..05' 27<0?05'
4.' CA6.';0' 37""7<0D*

20' 4C:0548"' 605406' 73' =7496' 6.5A=F' 49';5866'
8.' #7C0';@' 75D05' 73' .20' 098.0' 83375D6' C750'
:764.4?0' 89D' 8A.209.4=' 0?4D09=0' 49' 4""A6.58.479' 73'
246.754=8"' 38=.6' .289' .2760' 73' 84"6' @0.' 37A9D'
<24=2' <050' 38;54=8.0D' A9D05' .20' 01="A64?0' 8A.27G
54.@' 73' .20' 67?0504B9*' 7.2' .20' "8..05' =7498B06'
49D00D' <050' 010=A.0D' 67C0.4C06' <209' .20'
:549=0' <86' 49' .20' :57?49=06' 04.205' C8F49B' 8

*

.75406' 67' 24B2"@' "8AD0D' 83.05<85D6' ;@' .20' 098.0 '
.20' #90' 73' A=89 1

T' 055".8' SA8064.46' 76.09D4.' .05B8' 54.89846 U
EEEEEEEEEEEEEEEE 706' 20' 2786.
46' 3"4B2.' 49' 54.8491L6' 90<' D46=7?050D' =786.'
6
=79?0@6' 97' "73.@' 97.479' 73' C4"4.85@' 6A==066 ' 86'
=7990=.0D' <4.2' .28.' 09.05:5460*# 9' 38=.' 357C'
.20' D8@' 73' 246' "89D49B' 79' .20' ' 09.462' 62750 '
9085'.20' 7A.2' 750"89D ' <2050' 20' C0.' <4.2' 8'
6.7A.' 50646.89=0 ' .7' .28.' 73' 246' 50.A59' <4.2' .20'
49?8D49B' 375=0' .7' &84D ' 97.' C750' .289' .2500' 75'
37A5' <00F6' <050' =7C:5460D*# 9' .20' 6:549B' 73'
.20' 37""7<49B' @085' 9$ ' ~ ' [N ' 60685' A9D05.77F'
246' 60=79D' 49?8647 9' 73' 54.849 ' 89D' 20' C8D0'
B77D' 246' 99D49B' 8.' 9085"@' .20' 68C0' 6:7.' 86' ;0G
3750' <4.2' 34?0' "0B4796 1 89' 85C8C09.' 67' ?86.'
;7.2' 49' 4.6' 98?8*# 89D' C4"4.85@' 6.509B.2 ' 86' .7'
D03@' 8""' 7:.764.479*# 3.05' 8' D06A".75@' 89D' 285E'
586649B' <853850 ' =85540D' 79' 8B8496.' 8664?0""8AE'
996 ' 89D' 7.205' =24036' 73' .54;06 ' 75' F49B6' 73' 986
.4796 ' 49' .20' =7A560*# 73' <24=2' .20' "0B4798506'
A9D05' .2045' 49D7C4.8;"0' "08D05' B8490D' 8' 377.49B'
49' 660I' 89D' 4DD"060I ' 60685' =7C:0""0D' .20'
54.796' .7' 6A0' 375' :08=0 ' 24C60"3' 79"@' .77' B"8D'
.7' B589.' 4.' .7' 8' ;58?0' 89D' 375C4D8;"0 ' .27AB2'
A9D46=4:"490D' 8D?05685@*# 20' =79D4.4796' <050 '
276.8B06' .7' ;0' D0"4?050D ' 89D' 89' 899A8*# .54;A.0'
:84D ' .7' .20' #7C89' :07:"0 ' ;A.' <4.27A.' 89@'
=79=066479' 73' .0554.75@*# 9D' .20' + ' <4.2'
=2403' :75.479' 73' 246' C4B2.@' 276.' 8B849' 50.A590D'
.7' &8A*49' 0:.0C;05' 73' .20' 68C0' @085*1 @' 246'
60=79D' 49?8647 9' 73' 54.849 ' =0685' 7;.8490D' 97'
C750' 67"4D' 8D?89.8B06' 86' 8' =79SA0575' .289' 28D'
8==5A0D' .7' 24C' 357C' 246' 3456.*# 0' 28D' 49D00D'
8D?89=0D' 3A5.205' 49.7' .20' 49.05475*# A.' 28?49B'
06.8;"4620D' .2050' A7' 375.4340D' =2849' 73' :76.6' 89D'
09=8C:C09.6' 375' 246' .577:6 ' .20' #7C89' 98C0'
6779' "76.' 4.6' 493"A09=0 ' 89D' .20' 98.4?06' 50B8490D'
.2045' <85"4F0' 6:454.' 73' 49D0:09D09=0/ .2A6' A6.4G
3@49B' .20' 7:49479' 73' 8=4.A6' " ' ' =*, HN '
.28.' .20' &508.' KA"486' T' 28D' 79"@' 620<9' 54.849'
.7' .20' #7C896 ' 89D' D4D' 97.' C8F0' .20C' C86.056'
73' 4.*U

20' 86.A.0' :7"4=@' 73' ABA6.A6 ' 89D' .20' 49D7G
"09.' 8:8.2@' 73' 4;054A6 ' ;049B' 8"4F0' 8?0560' 357C'
.20' 89901847 9.7' .20' 0C:450 ' 73' 00685L6' 5'
)8' *.20' "86.' (06.059' 6"0U' 73' 8G
.A""A6 ' .20' 54.796 ' DA549B' .20' :0547D' 73' a '
@0856 ' 50C8490D' <4.27A.' C7"06.8.479' 357C' 89@'
37504B9' 8..8=F6' 79' .2045' 98.4798*# 3500D7C ' T' .20'
46"89D' M68@6 479' 8664A6N' 50C849498' 6A;0=.' .7'
4.6' 7<9' F496B' 89D' B7?0590D' ;@' 4.6' 7<9' "8<6*U'
8"4BA"8L6' C7=F' 49?8647 9' M8*# * ,N ' 46' .77' 54D4E'
=A"796' .7' 6.89D' 86' 89' 0I=0:.479*

.' "09B.2' .20' C:0575' "8AD4A6 ' <27' 84C0D'
8.' :7:A"854.@' 89D' 0?09' 620<0D' 89' 8C;4.479' 375'
C4"4.85@' 5097<9 ' A9D05.77F' .20' .86F' 73' 6A;0=.G
49B' 54.849' .7' .20' #7C89' @7F0*# 46' 3456.' 6.0:'
<86' .7' 609D' .24.205' A"86' "8A.4A6 ' <27' 8.' .20'
208D' 73' 8' 9AC057A6' 8AD' <0 E8:.749.0D' 85C@'
09=7A9.050D' 89D' 7?05.250<' .20' 54.796' 49' 60?058*#
09B8B0C09.6*# .4CA"8.0D' .7' :056798*# 09.05G
:5460' ;@' .2060' 6A==0660' 73' 246' 8;"0' "40A.0989.'
.20' 0C:0575' 9 ' ' HN' <09.' 24C60"3' .7' .20'
6=090' 73' 8=.479*# 9D' .27AB2' 20' 6.8@0D' 49' .20'
46"89D' 79"@' 641.009' D8@6' 89D' C8D0' A7' 0I.096479*

*

.7' .20' =79SA06.6' 73' 246' 7334=05' .20' 7;60SA47A6'
098.0' 79' 246' 50.A59' .7' #7C0' 641' C79.26' 83.05'
20' 28D' "03.' .20' 54.462' 62750' ?7.0D' ' 8' =79G
SA0575L6' C76.' 6:"09D4D' .54AC:2*# 7"0C9' :57G
=0664796' 8"67' <050' 375C0D' .57:240D' 85=206' 5085G
0D' ' :A;"4=' B8C06' =0"0;58.0D' 4 98?8*# 89D' :57?49E'
=4 D' =57<96' 73' B7"D' :50609.0D' .7' :05:0.A8.0' .20'
C0C75@' 73' ' ?4=.75406' 89D' <24"6.' .20' 6A5G
98C0' 73' * m' <86' D0=500D' .7' 24C' 89D'
.7' 246' 49389.' 679' .20' 508*# 6057?4=06' 73' "8A.4A6'
<050' 50<85D0D' <4.2' 49305475' 2797A56 ' 37 7<0D'
9:';@' 246' D46C4668*# 357C' =7CC89D9*# .' 46' A9D05'
"8AD4A6' .28.' .20' 8:.0 8.479' B4?09' ;@' .20' #7G
C896' .7' .20' 8;754B4906' 73' 7A5' =7A9.5@' 3456.'
8:.0856' 79' .20' =7498B0' 73' #7C0*1 00' F P' $$!.'

^T' (27' <050' .20' 7"D06.' 89D' =7960SA09."@' .20'
3456.' 4928;4.89.6' 73' .246' 46"89D' 89D' <209=0' .20'
98C0' 73' 54.849' 46' D054?0D' 286' B4?09' 5460' .7' 8'
?8540.@' 73' :494796 ' <4.2' 97' B57A9D' 7=05.849.@'
.7' D0.05C490' .20' SA06.479*U' .' 8:.0856' 27<G
0?05' .28.' T' .20' 89=409.' &8A"6' 89D' 54.796' A60D'
.20' 68C0' "89BA8B0' 89D' ;@' 90=06685@' =7960G
SA09=0' .20' 754B49' 73' .20' 54.796' C8@' ;0' 5030550D'
.7' .20' &8A"6*U 1 00' 8CD09' 0D4.0D' ;@' &7AB2'
,' :*I4?*Q

;7A.' *.' [' "8AD4A6' ;049B' 6.3""' 0C:0575'
49' =7960SA09=0' 73' =79.49A8*# =793"4=.6' =85540D' 79'
<4.2' .20' A96A;DA0D' 98.4?06' .20' 67A.2059' :85.'
73' .20' 46"89D' <86' 375C0D' 49.7' 8' :57?49=0' ;@' 6E'
.754A6' <27' D0308.0D' .20' 4"A506' 49' 8' B508.';8.G
."0' 89D' .8F49B' .2045" 08D05' 858=.8=A6' M75' 858E'
D7=N' 609.' 24C' 89D' 246' 38C4"@' :54679056' .7' #7C0*#
04.205' .20' =8:.4?4.@' 975' 6A;60SA09.' 50"0860' 73'
.246' 20574=' =2403' :57DA=0D' C750' .289' 8' ;5403'
6A6:096479' 73' 276.4"4.406' ;0.<009' .20' "0B4798506'
89D' .2045' 285586649B' 89.8B7946.6*# 57C' ' ['
.7' * * >' DA549B' <24=2' 057' ;049B' 0C:0575'
A0.794A6' 8A"49A6' =7CC89D0D' 49' 54.849' ;8.G
."0' 83.05' ;8.."0' <86' 37AB2.' <4.27A.' :57DA=49B'
89@' D0=464?0' 0330=.' 79' 04.205' 73' .20' ;0""4B0509.6*#
20' =8:.A50' 73' .20' 46"0' 73' 9B"0608' 89D' .20'
6"8AB2.05' 73' .20' 5A4D6' 37""7<0D' ;@' 8' 50.54;AG
.4?0' 89D' 6.4 ' C750' <4D0"@' 01.09D0D' C8668=50' 73'
.20' #7C896' ;@' .20' 496A5B09.' 54.796' A9D05'
.2045' %A009' 78D4=08' 9 ' ' ,N ' .2060' 6896
BA4985@' 2755756' 6A==00D0D' ;@' .20' .0554;"0' 50G
?09B0' <24=2' .20' #7C896' .77F' <209' ?4=.75@' 8.'
"09B.2' 50.A590D' .7' .2045' 6.89D85D6' 89D' .20' 54G
.462' 2057490' 30""*# 8' 60"3ED0?7.0D' ?4=.4C' .7' 4C:0548*#
=5A0".@' 89D' 49 A6.4=0 1 6A=2' 850' 8C79B6.' .20'
:57C4909.' 308.A506' 73' 8.57=4.@' 89D' C4605@*# <4.2'
<24=2' 246.754896' 34""' A:' .28.' ;5403' ;A.' 0?09.3A*#
6:8=0' 73' 0"0?09' @0856*# 75' <86' .246') ' '
1.246' T' <85' .7' .20' F9430U' @0.' 9085'
.20' :0547D' 73' 4.6' .05C498.479* 1 (209' 27<0?05'
06:86489' 49' *9*# ';0=8C0' 0C:0575' 20' M<27'
A9D05' "8AD4A6' 28D' 37AB2.' .20' 54.796' 49' C89@'
09B8B0C09.6' 89D' =7960SA09."@' <0' F90<' .20'
6@6.0C' 73' :7"4.4=8*# 86' <0' 86' C4"4.85@' .8=.4=6'
;06.' =8"=A"8.0D' .7' 8=240?0' 6A==066' 8B8496.' 20' 49G
D0:09D09.' .54;06' 73' .20' 46"89DN' 8D7:.0D' 6A=2' 8'
=7C;498.479' 73' ;7"D' 89D' AD4=47A6' C086A506' 86'
.257AB2' 246' B09058"6' 0508"46' 89D' 579.49A6'
;03750' .20' 09D' 73' .20' @085' ' 506A".0D' 49' 50G
DA=49B' .20' * ' <27' @' 89D' .20' F8 '
:85."@' .7' 6A;0=.479*

49' .2045' ="8C757A6' 8==A68.4796' 8B8496.' 0509946' 9 '9#' , [N' 89D' .20' ;860' D0B58D8.479' 73' .20' 4CR : 0548'# B7?059C09.' ;0=8C0' 0SA8""@' C894306.' 49' .20' 6A5509D05' ; @' .20' 60"3EDA; ;0D' ; ' * Y ' 73' 8' 38?7A54.0' C4946.05' .7' .20' D08D"@' 50G ?09B0' 73' 8' =755A : .' 89D' 60D4.47A6' 67"D405@# 9' .20' 305.4"0' C49.' 73' .246' ;"77DE.2456.@' :573"4B8.0' 790' ;"A620#6 .7' 600' .20' 85.6' 73' D064B9' =7C ; 490D' <4.2' .20' 6F4""' 73' .20' D40E649F05' .7' 3A59462 '49' 08=2' C0.8'# 89D' 73' 8"C76.' 0?05@' 64\0' 9AC46C8.4=' 6 : 0=4G C096' 73' 0I SA464.0' ;08A.@' 8C79B6.' 7.205' 6A; 0=.6' 8""A64?0' ; 7.2' 49' "0B09D' 89D' 49' .@ : 0' .7' .28.' 54G .849' <2760' 674'# .20' D0B09058.0' 679' 73' A50"4A6' 90?05' .57D' 89D' 8 ; 7A.' <2760' 49.0506.6' 86' 8' :57G ?49=0' 73' .20' 0C : 450' 20' F90<' "4.."0' 89D' =850D' "066'# ";4976' 79' <27C' 0?05A6' 49' ' ,a ' =79G 30550D' .20' .4."0' 73' 80685' 49' 54.849' D46 : "8@0D' B508.' 8 ; 4"4.@' 375' =4?4'# B7?059C09. '89D' 24B2' .8"09.6' 375' C4"4.85@' =7CC89D' ' <24"6.' "03.' 8<24"0' ;@' 246' 85.3A'# 6A : 05475' A9C7"06.0D' 8.' .20' 208D' 73' 8338456' 49' .28.' 46"89D'# 0' 28D' 73' =7A560' 97' 8A.2754.@' 7?05' .20' ;5866' C49.' 73' #7C0' 89D' 20' 6.5A=F' 97' 64"?05' 75' B7"D' C790@' 79' <24=2' .2050' <86' 89@' 5030509=0' .7' 54.849' 8".27ABZ' 8' C49.8B0' 73' 64"G ?05' 466A0D' ;@' 24C' <209' 20' 866AC0D' .20' :A5 : "0' 8.' @79' 9 ' ' ,a N' 0I24;4.6' 8' .@ : 0' 73' C4"4.85@' 0964B96' 8""A64?0' :57 ; 8 ; "@' .7' .20' 54.462' "0B4796' <27C' 20' 28D' "0D' 49.7' &8A"*

0 : .4C4A6' 0?05A6' 83.05' 20' 28D' : A.' ";49A6' .7' D08.2' 89D' <4.2' .20' 68C0' C05=4"066' 289D' 73' :7<05' 506.750D' .589SA4""4.@' 49' .20' 086.' ; 0=8C0' ="760"@' 8667=48.0D' 49' ; 7D4"@' :50609=0' 86' <0""' 86' 49' 98C0' <4.2' .20' <06.059' :57?49=06' 89D' 246' C4"4.85@' 0I : 0D4.4796' .7B0.205' <4.2' .20' ?4=.7540G .28.' =57<90D' .20C' 49' 54.849' 850' 50=75D0D' 79' 246' =7496'# 9' .20' > .2'@085' 73' 7A5' 6058' 89D' 49' .20' , [.2'@085' 73' 246' 504B9' .246' <85"4F0' :549=0' D4?4D0D' .20' 0I0=A.4?0' 8DC4946.58.479' 73' .20' 46"89D' 49.7' .<7' :5030=.A506' 8 : : 749.49B' 8 ; "0' B7?059756' .7' 08=2' 89D' 609D49B' "85B0' 5049375=0C09.6' .7' 86646.' 790' 73' .20C' 49' <8B49B' <85' <4.2' .20' A9E' =79SA050D' C09' 73' .20' 975.2'# <7' @0856' 83.056 <85D6' 8==7C : 8940D' ;@' 858=8""8' 89D' &0.8' 20' <09.' 89' 4925C' 7"D' C89' ; A.' 6.4""' 0905B0.4=' 89D' A9D8A9.0D' 49' 6 : 454.' .7' .20' 86646.89=0' 73' 246' "40AG .0989.' A : A6' <4.2' 8' CA=2' C750' 375C4D8 ; "0' 85C8C09.'# 46' 49?86479' 73' 8"0D7948' 9 ' ' > aN' 246' D085"@' ; 7AB2.' 6A==06606' 7?05' 89D' 246' 8==0 : .89=0' 73' 8' : 5733050D' ; A.' 8' 304B90D' 6A ; C46G 6479' 357C' .20' 68?8B0' 58=0' 73' : 07 : "0' <2760' 7 ; G 6.498.0' =7A58B0' 28D' 493"4=.0D' 6A=2' 8 : : 8""49B' "76606' 79' .20' #7C89' 276.1 8""' .2060 ' 8DD0D' .7' 246' C750' : 05C8909.' C054.' 49' 50 : 84549B' 89D' 6.509B.20949B' .20' D0309=06' 73' .20' 975.2059' :57?49=0' B4?0' 89' 246.754=8'# 508"4.@' 73' 49.0506.' .7' .20' !" *! $' $*! 6 !" ' "0B09D6' 89D' .7' .20' .57 : 240D' .@ : 06' <24=2' D46 : "8@' .20C60"?06' 49' .20' 506 : 0=.4?0' C49.6' 73' 0?05A6' 89D' 246' 6796*

^ 5'# #78=2' C4.2' *' *' *' 49' 246' ?8"A8 ; "0' 89D' 49.0506.49B' 7.06' 73' 89' 5=2p7"7B4=8'# 7A5' : 05375C0D' ;@' 24C' 49' , [, ' 8""79B' .20' #7C89' (8""' C8F06' .20' 37""7<49B' =79="AD49B' 50C85F6' <24=2' : =7C49B' 86' .20@' D7' 357C' 790' 73' .20' 8 ; "06.' C76.' 49D038.4B8 ; "0' 89D' C76.' 384.23A""@' =7550=.' <54.056' 73' .20' : 50609.' D8@' 89D' 733050D' ;@' 24C' 86' .20' 506A".' 73' 246' 50=09.' "490' 73' 0I : "758.479' 28?0' 8' : 0=A"485' ="84C' .7' .20' =7934D09=0' 89D' =79'R

64Dt58.479' 73' .20' 246.754=8'# 89.4SA85@# #0305549B' .7' .20' 496=54 : .4796' <24=2' 28?0' 6.50<0D' .20' B57A9D' 357C' 7<9066' .7' (8""609D' 20' 7 ; 605?06' .28.' T' .2060' 50=75D6' ?05@' ="085"@' 0I : "849' .20' 754G B49' 73' .20' <8""' 4.60"3' 89D' 60.."0' .20' SA06.4796' <24=2' 28?0' 67' "79B' ; 009' 58460D' 86' .7' 4.6' D8.0* 1' 20@' :57?0' .28.' .7' 8D548A' .246' 2797A5' 46' DA0' 89D' .28.' 0?05A6' <27' 286' 62850D' .20' =50D4.' <4.2' 8D5489' D4D' 97.249B' C750' .289' 50 : 845' .20' 375.506606' 89D' .20' : A ; "4=' ; A4"D49B6' <24=2' 28D' ; 0=7C0' D4"8 : 4D8.0D' .28.' 8D5489' ; 57AB2.' .7G B0.205' 375' .246' <75F' .20' 09.450' C4"4.85@' 375=0' 73' .20' :57?49=0' 89D' .28.' .20' 54.462' 6.8.06' 75' =7CCA94.406' 8"67' =79.54 ; A.0D' <75FC09*U 1 00' 4 V' ' =.'# , [,'# A.' C750' : 85G .4=A"85"@' 600' ' ' 0 ' ;@' .20' 68C0' 8A.275' ?7"'# 44'# A9D05' .20' 208D' 73' 20' #7C89' (8""*UQ

57C' .20' D08.2' 73' 0?05A6' M8.' 75FN' 0;# ' >, , ' .7' .20' .4C06' 73' .28.' 375.A98.0' A6A5 : 05' 858A64A6' 89D' 246' : 0534D47A6' CA5D0505' 0=.A6' 1 M89' 49.05?8"' 73' C750' .289' ' @0856N 1 97' 97.4=0' 6.589B0' .7' 68@' 73' 7==A5509=06' 49' 54.849' =89' ; 0' 37A9D' 49' .20' 7"D' <54.056*

^ 20' 8 ; 7?0' 246.754=8'# 6ACC85@' : A5 : 760"@' ="760D' 2050' 46' C089.' 64C : "@' 375' 89' 49.57DA=.75@' .54 ; A.0' 73' 8..09.479' DA0' .7' .20' 6A ; 0=.' 73' 6A=2' C790.8'# 50"4=6' 86' 605?0' .7' 8667=48.0' .20' 8998"6' 73' 89=409.' #7C0' <4.2' .2760' 73' .20' "89D' <0' "4?0' 49*U' 9D' 86' 49' 358C49B' .20' 8 ; 7?0' 7A.G "490' 6"4B2.' 89D' =45=AC6=54 ; 0D' 86' 4.' 46' 50675.' 286' ; 009' 28D' 375' 38=.6' D8.06' 89D' 8A.2754.406' .7' .20' :8B06' 73' 8' 8CD09' 8' 095@' 8' @..'05' 58\05' 8' 589=46' 8"B58?0' 8' 49B85D' 89' =FE' 20" 1 67' 286' .20' 6=409.434=' 89D' 49.0""4B09.' : 09' 73' 89' F05C88' ; 009' .8F09' 3A"'# 8D?89.8B0' 73' 49' .20')7 ' ' 73' ' ' ' ' ' <24=2' ; 085' .20' 98C06' 73' 7A5' =7A9.5@' 89D' 205' 98.4?0' 6796' 86' .20@' <050' 506 : 0=.4?0"@' D064B98.0D' ;@' 205' 085"406.' ="79SA05756' 89D' 375' C89@' =09.A5406' 5A"49B' 7==A : 89.6'# 20' C750' 50=09.' : A ; "4=8.479' ;@' .20' "86.' 98C0D' 0I=0""09.' <54.05' 09.4."0D' T' 7496' 73' .20' #7C896' 50G "8.49B' .7' 54.849 U' 46' 49D00D' 50B85D0D' ;@' 8""' =7C : 0.09.' ADB06' 49' 9B"89D' 86' .20' ; 06.' <75F' 0I.89.' <4.2' 5030509=0' .7' .20' 98.4798""@' 49.0506.G 49B' : 749.6' 79' <24=2' 4.' .508.6'# 9D' A57 : 089' 8 : : 50=48.479' 73' 4.6' C054.6' C8@' 3845"@' ; 0' 50=7BG 9460D' 49' .20' D46.49BA4620D' 2797A5' 73' .20' ' ' 0 ' 8<85D0D' .7' 24C' 375' .20' 90<' 0D4.479' ; @' .20' 509=2' 96.4.A.0'# 57C' .20' 8=G =A58.0"@' DO6=54 : .4?0' 89D' 0"0B89."@' 4""A6.58.0D' =79.09.6' 73' .28.' ?7"AC0' .20' 6.AD09.' <4""' DO54?0' 0?05@' D0B500' 73' A603A'# 49375C8.479' <24=2' =89' ; 0' 7 ; .8490D' 75' D06450D' 49' .28.' : 85.4=A"85" ; 589=2' 73' 9AC46C8.4=' 506085=2' 357C' .20' 504B9' 73' "8AG D4A6' D7<9' .7' .20' .4C06' 73' 796.89.490' 89D' 246' 38C4"@*Q

*1 * 1 8=8.A6' 49' 246' # 3 ' ' =4.0D' ;@' =F20'# M?4# > N' =8""6' .20' 54.796' ;@' .20' 6.579B' .05C' 73' ') ' M0IG 4"06' 357C' .20' .05506.548'# B"7 ; 0N'# ; 7A.' .20' .4CO' 73' .20' C : 0575' "8AD4A6' 9 ' ' ,' .7' [N' 4.' <86' =A6.7C85@' .7' <54.0' *! ! / $*! !' / 4 40?6* 1 20' 98C0' 73' .20' 46"89D' 89D' 73' 4.6' 4928 ; 4.89.6' <86' 8"67' 6 : 0""0D' <4.2' 79"@'

2' ;508F' 75'49 A5@'49' .20' :8.498' 73'2' ;5866' 75' =7:G :05' =749' 75' C0D8""479*

*1 ' =4.@' 73' 8"8;548' M75' 58.205' 73' :A"48N' 79' .20' =786.' 73' .20' D548.4=' 608' 97<' =8""0D' * '49' .20' ' ' 1 ' F49BD7C' 73' 8:"06≠ 9' .20' .4C0' 73' .20' #7G C896' 4.' <86' .20' =2403'50675.' 73' :056796' C8F49B' .20' .58 0=.' 357C' .8"@' .7' &500=0≠ 758=0' 286' D06=54;0D' .20' 578D' 357C' #7C0' .7' .246' :"8=0' 49' .20' 343.2' 68.450' 73' 246' 3456.' ;77F*1 7.2' =F20"≠ 89D' 47990.' 49="ADO' 5A9DA64AC' 49' .2045' 50G 6:0=.4?0' =8.8"7BA06'73'6 ' 1 84""89.' B4?06' 9790'73'4.6' =7496' <24=2'8==75D49B'.7' 479G 90.' =79646.' 79"@' 73' ' A.797C06' 49' 6C8""≠ 89D' C4DD"0' ;5866' 8"C76.' 0I="A64?0"@ ;08549B'.20' "0B09D' # {3W{J _{' 89D' .20' .@:06' =79646.' 73' 8' "8A50""0D' 89D' ;085D0D' 208D' M73' 0:.A90' 75' KA:4.05N' 75'8' 98F0D' C8"0' 34BA50' M 979N' 54D49B' 79'8' D7":249' 27"D49B'49'.20' 54B2.' 289D'8' ' <' .28.' =57<96' 24C' 89D' 49' .20' "03.' 8' "@50' <4.2' .20' C85F' 73' .20' F

'/ '- % ' =8""0D' ;@' 67C0' .20' .@58994=4D0' <86' 679'73' ≠ KA94A6' 5A.A6' 89D' 73' 05?4""8' <27' <86' 28"3' 646.05' 73' 8.7' 73' .4=8' ;@' .20' C7.2051G' 64D0≠ 0' =8C0' 49.7' .20' <75"D' 49' .20' a.2' @085' 73' #7C0' 9$ ' " ' [N≠ .' 8' ?05@' 085"@' 8B0' 20' "76.' 246' 38.205' ;A.'W246' 0DA=8.479' A9D05' .20' =8503A≠ 6A:0549.09D09=0' 73' 246' C7.205'89D' A9="06' <86' 89' 0I=0""09.' 790' 89D' 28?49B'4C;4;0D' 89' 85D09.' "7?0' 375' "0859 49B' 20' 6.AD40D' "4.058.A50' 89D' 758.75@' 8.' #27D06*1 .' 46' 97.' =05.849' ^600' .20' :749.' .508.0D' 73' 3A5.205' 79@' .28.' 20' <86' D06=09D0D' 357C' .20' =0"0G ;58.0D' 5A.A6' <27' D57?0' .20' 85SA496' 357C' #7C0' 89D' 605?0D' .20' 3456.' 796A"8.0' 73' .20' #0:A;"4=/ 8".27AB2' .20' :75.584.A506' 89D' 496=54:G .4796' 79' 246' 38C4"@' =7496' 620<' .28.' 20' "84D' :50G .0964796' .7' .28.' 754B49≠ 8?49B' 8C4D6.' .20' "8C09.8;"0' D4660D64796' 73' .20' .8.0' 8..8=20D' 24C60"3' .7' .20' 8D20509.6' 73' 7C:04A6' 8B9A6' 79' .20' B57A9D' .28.' 4.' <86' .28.' :85.@' <24=2'C76.' 38?7A50D' .20' =8A60' 73' 3500D7C' 85=A6' 5A.A6' <86' 49' .20' 85C@' 7::760D' .7' .28.' 73' KA"4A6' .0685' 8.' .20' ;8.."0' 73' 28568"48' 'A'=≠ '9$ ' " N≠ A.' 20' <86' 83.05<85D6' 97.' 79"@' :85D790D' ;@' .20' ?4=.75' 49' .28.' D0=4642'0' 627=F' 73' 85C6' ;A.' <86' "78D0D' ;@' 24C' <4.2' .20' 24B206.' D46.49=.4796*1 80685' 49' 38=.' B8?0' 5A.A6' .20' B7?059C09.' 73' 468"':490' &8A"' 89D' .20' :500.75624:' 73' #7C0 1' 38?7A56' <24=2' 20' 50:84D' ;@' ;0=7C49B' 49' =79G A9=.479' <4.2' ≠ 8664A6' .20' 3750C76.' 73' 246' 866866496*1 .' <86' D7A;."066' .20'50C0C;589=0' 73' .2060' ;09034.6' =7930550D' .28.' C7?0D' .20' C49D' 73' 84685'49.7' .20'?05@'C7C09.' 73' .20'8668A".' C8D0' A:79' 24C' 49' 3A""≠ 098.0' 9$ ' " ' N≠ 7' .28.' 60049B' 5A.A6' 49' .20' .2579B' 73' 246' CA5D05056' .20' 0I="8C8.479' ;A56.' 357C' 246' "4:6 1 T' A' 90' 0.48C' 49.05' 276' 06' 34"4 zU' 5.' ' .77' 8C79B6.' .20C' C@' 679z 1 3.05' .20' :05:0.58' .479' 73' .20' =54C0' =7C:0""0D' .7' SA4.' #7C0' 5A.A6' 3"0D' <4.2' 8664A6' 89D' 7.2056' 73' .20' =79G 6:458.756' 49.7' .20'

*

?059C09. ' "40' 50C85F0D ' .28.' 20' 09.05.8490D' 97' 30856' 73' .2760' 6"00F' 89D' ; A62@' C09' " %' ; A.' 58.205' 73' .20' : 8"0' 0C8=48.0D' 30""7<6 ' C089G 49B' 5A.A6' 89D' 8664A6≠ M "A.85=2 ' ' ' ' ' * 1 28F6 : 0850 ' 49' 246' : "8@' 73' KA"4A6' 40685 ' : 57 ; 8 ; "@' ; 7557<49B' 357C' .246' : 86G 68B0 ' .A596' .20' "789' .7' B77D' 8==7A9. ' 49' C8F49B' 8 685' .2A6' 8DD5066' 85F' 9.79@/1

T' 0.' C0' 28?0' C09' 8 ; 7A.' C0' .28.' 850' 38. "00FE2=8D=D' C09 ' 8AD' 6A=2' 86' 6"00 : ' 8E94B"4.6* 79' 8664A6' 286' 8' "089' 89D' 2A9B5@ "77F/ 0' .24AF6' .77' CA=2 ' 6A=2' C09' 850' D89B057A6*LL ' , ' F ' >*

.' 8 : : 0856' 89' 0I.5875D4985@' =45=AC6.89=0 ' .28.' 79' =7496' 627A"D' 20' 49.57DA=0D' .20' : 75.584.' 73' 73' .20' ?05@' C89' <27' ; 786.0D' 73' ; 049B' .20' =28CG : 479' 73' 3500D7C ' <209 ' 49' .20' 49D0 : 09D09.' D8@6' 73' .20' 50 : A ; "4= ' 6A=2' 8' D46.49=.479' <86' 90?05' : 05G C4..0D ' 89D' 3456.' ; 0=8C0' 49="AD0D' 8C79B6.' .20' 4975D498.0' : 54?4"0B06' 208 : 0D' A.' 79' 60685' 24C60"3≠ .' C4B2.' 28?0' ; 009' 50B85D0D' 86' 8' 3"8..0549B' 8.G .09.479' : 84D ' <4.27A.' .20' F97<"0DB0' 73' 5A.A6 ' ; @' 246' "40A. : 989.6 ' <2760' 98C06' A6A8""@' 8 : : 085' 79' 246' =7496≠ A. ' 43' =50D4.' ; 0' B4?09' .7' KK47A' MI"?44≠ ' >[N ' .20' .@ : 0' <86' 6.5A=F' <4.2' .20' =79G 609. ' 89D' ; @' .20' D450=.479 ' 73' 5A.A6' 24C60"3* 9' .246' 68C0' D09854A6' 5A.A6' 46' 6.@"0D' E' ' 86' 20' 350SA09."@' 46' 79' 7.2056' 73' 246' =7496≠ E1 20' .4C0' 89D' 7==8647G' 73' 246' 50=04?49B' .20' .4."0' 850' 6.8.0D' ; @' 479' M86' 8 ; 7?0N ' ?4\≠ .28.' 20' C8D0' 89' 0I : 0D4.479' 8B8496.' .20' * 3' 8' : 07 : "0' 73' 258=0 ' T' : 85."@' 49' 75D05' .7' =286.460' .20C' 375' .2045' 276.4"4.@ ' 89D' : 85."@' .28.' 20' C4B2.' B849' 375' 24C60"3' .20' .4."0' 89D' D4B94.@' 73' + $3' <24=2' <7A"D' 098 ; "0' 24C' .20' ; 0..05' .7' =7 : 0' <4.2' 8 685' 89D9 9.79@ 1 89D' .28.' 20'8==7C : "4620D' ; 7.2' .2760' 7 ; 0=.6*U 1 ==75D49B' .7' "A.85=2' 1 ' * ' =≠ H N ' 5A.A6' 89D' 8664A6' .7B0.205' 50=04?0D' 08=2' .20' .4."0' 73' .58 75 ' ; @' .20' 8==*8C8.4796' 73' .20' 85C@' 8.' 85D46* 1 * ' ' ' ?4≠ >>*

V 4.'4 50B85D' .7' .20' 0 : 4.20.' + F3' 0C : "7@0D' 49' .246' 496.89=0 ' 4.' 46' 3A5.205' .7' ; 0' 7 ; 605?0D' .28.' 8"054A6' 7 : "4=7"8' <86' 8"67' =8""0D' ' ' + F3' ; 0=8A60' 20' <86' 8C79B6.' .20' ?05@' 3456.' 73' .2760' 899A8""@ 0"0=.0D' 5A"056' 73' .20' 085"@' 3500' 50 : A ; "4=* 1 20' 208D6' 73' ; 7.2' .20' 5A.4 1 A=4A6' 89D' 85=A6 1 C09' =25797"7B4=8""@' 60 : 858.0D' 357C' 08=2' 7.2056L .4C06' ; @' 89' 49.05?8≠ 73' C750' .289' [' @0856 1 <050' =79 7490D' 79' .246' D09854A6' ="085"@' 49' 75D05' .28.' 20' <27' 6"0<' 40685' C4B2.' .2050 ; @' 620<' 375.2' 246' ="84C' .7' F49D50D' <4.2' .20' 5A.A6' 73' 89=409.' D8@6' 89D' 246' : 85.4=4 : 8.479' 49' "4F0' 3' <4.2' 246' 866ACD0' 89=06.75*

T' 20' =4?4=' M75' 78F09N' =57<9' <24=2' 8 : : 0856' 57A9D' 08=2' 208D' 73' .20' .<7' 5A.4 ' 8""AD06' M68@6' #4==47N ' .7' .20' ?4=.75@' <79' ; @' .20' 60=79D' 5AG .A6' 7?05' .20' 8D?0560' : 85.@ ' 89D' .7' .20' 506=A0' 73' #7C0' 89D' 2056' =4.4\096' 7A.' 73' .20' 289D6' 73' .2760' <27' A6A5 : 0D' .20' 67?0504B9' : 7<05' 73' .20' 6.8.0*U' 1 00' ' ' ' * ' '6 3' : ≠ , > ' 0.' 60S*

^ ' 6 : 0=4C09' 73' .20' 8 ; 7?0' D06=54 ; 0D' D09854A6' 49' B77D' =79D4.479 ' ; 57AB2.' $> ' 8.' .20' 68"0' 73' .20' 0C ; 57F0' =7""0=.479*Q

A4' B9F ' I ' C (' 45.9<4≠ 08D' 73' 85=A6' 5A.A6* 6 ' W ' #h44a ' 20' : 4"0A6 ' 75' =8 : ' 73' "4 ; 05.@ ' ; 0.<009' .<7' D8BB056≠ 4"?05 ' 73' .20' KA948' B096*

246' 5850' 89D' C76.' 50C85F8 ; "0' 64"?05' =749 ' 67' 4C : 75.89.' 86' 8' 9AC46C8.4=' C79AC09. ' A=4A6' "40.754A6' 06.489A6 ' 8' ' 86' <0""≠ 86' 8' ' 73' 85=A6' 5A.A6 ' <86' .20' 496.5AC09.' 73' .5896C4..49B ' 86' 8' 50=75D ' .7' .20' C76.' 86.89.' : 76.054.@≠ 9' D06=54 ; 49B' 4. ' =F20"≠ ; 0B496 1 ! , '+ F3' = 1 T' ; 605?0' .20' D8BB056' 0CG : "7@0D' 49' .20' : 05 : 0.58.479' 73' 67' 30""≠ 8' CA5G D05 ' ; 57AB2.' ; 03750' 7A5' 0@06 ' 79' .246' =749 1 ' <08 : 796 ' <24=2 ' A9D05' .20' 6 : 0=47A6' : 50.0I.' 73' "4 ; 05.@ ' 5A.A6' 2064.8.0D' 97.' .7' 6.849' <4.2' .20' ; "7D' 73' .28.' A 685 ' .7' <27C' : 056798""@' 20' 7<0D' 67' CA=2 ' 49' .20' 68C0' D00D' 8' : 8.547.' 89D' 8' =A.E.2578.* 1 (0' 28?0' .20' .06.4C79@' 73' 479' 8664A6' .28.' .20' D09854A6' ^8 ; 7?0'09B58?0D0' <86' 6.5A=F' ; @' 75D05' 73' 5A.A6' 24C60"3 ' 89D' 649=0' 4.' B58 N24=8""@' D06=54 ; 06' .246' 9AC46C8.4=' B0C ' .20' 8A.275L6' <75D6' 628""≠ ; 0' B4?09' ^ 00' - % , ' ' ?4≠ : ≠ > ' 375' ; 7.2' &500F' 89D' 8.49/0 1 T 9D' 8"67' 79' .20' =7496 ' <24=2' 20' =8A60D' .7' 20' 6.5A=F ' 20' 0I 24 ; 4.0D' 8' "4F09066' 73' 24C60"3 ' 89D' 8' =8 : ' 89D' .<7' D8BB056 ' 49.4C8.49B' ; @' .246' .@ : 0 ' 89D' ; @' .20' "0B09D ' .28.' =79 749."@' <4.2' 8664A6 ' 20' 28D' 506.750D' 246' =7A9.5@' .7' "4 ; 05.@*U' 20' 496=54 : G .479' 4 ≠ #≠ D0="8506' .20' 38.8"' D8@ ' .20' 4D06' 73' 84=2 ' 79' <24=2' .20' ; "77D@' D00D' <86' D790≠ 20' .05C' + ' <86' 83.05<85D6' 8 : : "40D' .7' .2060' 4D06' 73' 85=2*

@' <8@' 73' =7A9.05 : 746O' .7' .20' 208D' 73' KA"4A6' 40685' 6.5A=F' 79' 246' =7496 ' 86' 4=-8.75 ' 7.205' =7496 ' 49' 7 : : 764.479' .7' 246' A6A5 : 8.479' 73' 8 ; 67G "A.O' : 7<05' 8.' #7C0 ' <050' C49.0D' 49' .2045' .A59' ; @' .20' : 85.4689G' 73' .20' =796 : 458.756' .20C60""?06 ' <4.2' ."40' 208D' 73' ≠ 5A.A6 ' 89D' 28?49B' 79' .20' 7.205' 64D0 ' 04.205' .20' 4C8B0' 73' 5A.A6 ' .20' 3456.' 796A"' 75' .20' .<7' D8BB056 ' 49' 8""A6479' .7' .20' CA5D05' 73' 8 685≠ T 246' M68@6' #4==47N <86' 375' .20' : A5 : 760' 73' 620<4B9' .28.' 86' A=4A6' 5A.A6' 50C7?0D' .20' 89=409.' F49B6 ' 67' .20' : 79485D6' 73' 8664A6' 89D' 5A.A6' 28D ' 8.' 8' 6A ; 60SA09.' : 0547D' 73' .4C0 ' 506.750D' "4 ; 05.@' .7' #7C0 ' 86' 6@C ; 7"4\0D' ; @' .20' =8 : *U

4C85D' D0' "8' 86"40' M49' 246' 97.06' .7' K7205.N ' 50305549B' .7' .246' 38C7A6' =749 ' 7 ; 605?06' .28.' .27AB2' A9SA06.4798 ; "@' B09A490 ≠ ; 7.2' 49' B7"D' 89D' 64"?05 ' @0.' .28.' .2050' 46' 97.249B' 49' 4.6' 8 : : 08589=0' .7' A6.43@' .20' 6A : : 764.479' .28.' 4.' <86' 6.5A=F' 49' #7C0≠ 20' 38=.' 46' .28.' 5A.A6' <86' 8.' 97' .4C0' C86.05' 73' .28.' =4.@ ' 975' <86' 246' : 85.@' .20' 6.579B06.' .2050≠ 20' 8 ; 7?0' =4.0D' .06G .4C79@' 73' 479' D0=4D06' .20' SA06.479' 86' .7' <27' 4.' <86' .28.' =8A60D' .246' D09854A6' .7' ; 0' C49.0D' 89D' .20' .4C0' <86' .28.' 8.' <24=2' 5A.A6' : 8660D' 49.7' 648' .7' 749' 8664A6' 83.05' 28?49B' 509D050D' 24C60"3' C86.05' 73' 8=0D7948' 89D' 73' 8' : 85.' 73' &500=0*

^ 20' 3750B749B' =A.' 46' 384.23A""@ =7 :40D' 83.05' .20' =86.' 35749' 8' <0""E :50605?0D' 6 :0=4C09' 49' .20' 54.462' A60AC# 2050' <86' 897.205 ' 375C49B' : 85.' 73'.20' 0C ;57FO' =7""0=.479 ' 89D' D0G 6=54 ;0D' 49' .20' =8.8"7BAO' 86' T' 49' ?05@' B77D' =79D4G .479 '89D' <24=2' 8 : :0850D' .7' 20'8' B09A490' 6 :0=4C09' 73' .246' 0I .50C0"@' 5850' 89D' CA=2' 38"64340D' =749*U' 246 ' 49' ABA6.' , ' 2579B2.' $, ' , [6# * 20' 34906.' 6 :0=4C09' .28.' 0?09' .20' "8.0' 5# 27C86' =7A"D' :57=A50 ' 7 ; .8490D' 8.' .20' 68"0' 73' 246' =7"G "0=.479' 79"@' $, [' , 6* 1 2060' 6AC6 ' 67' D46E' :57 : 75.4790D' .7' .20' 246.754=8"# 49.0506. ' 86' <0""# 86' .7' .20' 8=F97<"0DB0D' 5854.@ ' 89D' =7960SA09.' "44B2' ?8"A0' 73' .246' D09854A6 ' <7A"D' 600C' .7' 49G D4=8.0' 8' :50?8"09=0' 73' D7A ; .3A"9066' 49' .20' C49D6' 73' =79974660A56' :50609.' 8.' .20' B589D' 8A=.4796' 49' SA06.479# 90' 46' 49D00D' 8"C76.' 508D@' .7' 86F ' <20.205' .2050' 20' 6A=2' 8' .249B' 86' 8' B09A490' # # 73' 85=A6' 5A.A6' Z' 67' D4334=A".' 46' 4.' .7' C00.' <4.2' 790' .28.' 0C ;58=06' .20' .54 : "0' 50G SA464.06' 73' ;049B' 89.4SA0 ' WW : "8.0D ' 89D' 49' B77D' :50605?8.479*Q # ' M 796A"8546' 57=066A6N* 1 00' KA948' B096* # ' * 1 4_# 0 : .A90* 1 * ' 4=G .7548*EEE 00' 8 ' & * # ' M%# N' * 1 57 : 2@# 1 00' 05?4"48' B096* # ' M N' # # * 1 00' o ı .' # * 1 KA948' B096* # # # * 1 00' KA948 ' 76.AC48 ' 89D' 4 ; 48' 38C4"406# 4 # ' * 1 850' 208D' 73' 85=A6' KA94A6' 5A.A6 ' .7' .20' 54B2. ' <4.249' 8' <508.2' 73' 78F' "08?06* 6 ' ' & # ' .57 : 2@' ; 0.<009' .<7' :57<6/ 67C0.4C06' <4.2 ' 67C0.4C06' (4.27A. ' 89' 496A"8.0D' "0..05' 49' .20' 340"D*

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=7496' 6.8C : 0D' <4.2' .20' 208D' 73' 5A.A6 ' .28.' .20@' <050' 6.5A=F' <4.2' 246' 8A.2754.@# 20@ 8""# =7C ;490' .7' :57?0' .20' 4CC7D058.0' 8C ; 4.479' 73' 85=A6' KA94A6# 20' 49D4?4DA8"6' S3' 246' : 85.@' M7 ;605?06' 46=79.4N ' <7A"D' 97.' 28?0' D850D ' 08=2' 49D0 : 09D09."@' 73' .20' 7.205 ' .7' =8A60' 246' 0334B@' .7' ; 0' 6.8C : 0D' 79' #7C89' C790@ ' 49' 4C4.8.479' 73' .2760' 8 ; A606 ' <24=2' <050' 37A9D' 38A".' <4.2' 49' .20' B7?059C09.' 73' r 685 ' 43' .20@' 28D' 97.' ; 009' <0""# 866A50D' 73' .20' =79609.' 89D' 8 : :57 ; 8.479' 73' .2045' =2403# .' 46' 0?09' C8..05' 73' 86.79462C09. ' .28.' 8' "4F0' 018C : "0' 627A"D' 97.' 28?0' ; 009' 37"E]' "7<0D' ; @' .20' "40A.0989.6' 73' 8664A6 ' 89D' .28.' 246' 208D' 8"67' 6274DD' 97.' 28?0' ; 009' 6.5A=F' 79' .20' C790@' <24=2' 20' 75D050D' .7' ; 0' 07490D* 1 ' 6 ' 4# >, >*

(0' C4B2.' 28?0' 6A : : 760D' M8DD6' .20' 68C0' D46G .49BA4620D' <54.05N ' .28.' .20' : 75.584.6' 73' 5A.A6 ' 83.05' 246' D0308.' 89D' D08.2 ' <7A"D' 28?0' D468 : : 0850D' 357C' .20' #7C89' <75"D# A.' : 85.@' 6 : 454.' "79B' 6A5?4?06' .20' 0?09.6' .28.' 28?0' D0=4D0D' 4.6' "7. ' 89D' ; 064D06' .2050' 46' 97.249B' 67' D4334=A".' .7' D0G 6.57@' 86' 9AC46C8.4=' C79AC09.6* 20' =749' <209=0' 46=79.4' C8D0' 246' 09B58?49B ' <86' 8.' .20' .4C0' 49' .20' =8 ; 490.' 73' .20' "0859 0D' ; ; t' 89' "0C09.0' 8.' 50C798# ' 64C4"85' 790' 0I 46.6' 49' .20' 4C : 0548"# =8 ; 490.' 73' 40998* 1 ' M =F20"' ' ' ' ' : 85.' 44# : 4# 4*N ^ ' ?05@' 3490' 6 :0=4C09' 73' .246' =796A"85' 8A50A6 ' <04B2.' , > [' B56# ; 57AB2.' 8.' .20' 0?7962450' 68"0' 49' , ' $, ' , 6* ' 89D' 8.' .20' 68"0' 73' 5# (24.0L6' =7""0=.479 ' 49' 7?0C ; 05' , ' 4.' 7 ; G .8490D' $H # 20' 0C ; 57FO' 6 :0=4C09 ' "7.' H [' 49' .20' C76.' : 0530=.' 6.8.0' 73' : 50605?8.479 ' 64\'0' 4 ' , >H' HE, ' B56# ; 57AB2.' $ >*Q # * 1 08D' 73' 09A6 ' <4.2' C4.50 ' 085G 549B6 ' 89D' 90=F"8=0* 6 ' ' C89' <58 : : 0D' 49' 8' 94B2.ED5066 ' "@49B' 86"00 : ' 79' .20' B5866 ' <4.2' 246' 308D' 506.49B' 79' 8' 6.790 ' .7' <27C' 850' : 50609.' 4898' 89D' 4=.75@# 1 ' 5850' D09854A6' 73'.20') C4"48' B096*

9' : 8B0' , H ' 89' 09B58?49B' 46' B4?09' =}' 8' B7"D' =749 ' <24=2' 79' 790' 64D0' : 50609.6' .20' 0334B@' 73' 5A.A6' 49' .20' C4DD"0' 73' 8' =4?4=' =57<9 ' 89D' 79' .20' 7.205' .28.' 73' KA94A6' 5A.A6 ' 357C' <27C' 20' ="84C0D' D06=09.* 1 20' 8 ; 7?0' =A.' 46' 357C' 897.205' =749 ' 73' .20' 68C0' C0.8" ' 89D' <24=2' 50 : 50609.6' .20' 208D' 73' .246' =0"0 ; 58.0D' =2858=.05' <4.249' 8' 64C4"85' =57<9# 20' .57=2@ ' 58460D' A : 79' .20' :57<6' 73' 624 : 6 ' 375C49B' .20' .@ : 0' 73'*.20' 50?0560 ' ; 0856' 8""A6479' .7' .20' 6A==066' <24=2' 8..09D0D' .20' "40AG .0989.6' 73' 5A.A6' 89D' 8664A6 ' 49' 8' 98?8# 09G B8B0C09. ' <24=2' .20@' 28D' <4.2' .20' 3"00.' 73' .20' .54AC ?456 ' 8.' .20' ?05@' .4C0' <209' .20' =796 : 458.756' .20C60"?06' <050' D0308.0D' ; @' "89D* 1 20' "0B09D' ' & ' : 749.6' .7' A" "4A6' 05?4"4A6' 86=8 ' .20' C89' <27' 6.5A=F' .20' 3456.' ; "7<' 8.' 60685' 89D' <27' 37AB2.' 8.' 24"4 : : 4# ' 46' : 57 ; 8 ; "@' ; A.' .20' 60=79D' 6A598C0' 73' .246' 68C0' 8606* .' 286' 8"508D@' ; 009' 50C85F0D ' <4.2' 50B85D' .7 20' 34BA50' 49' .20' 50=AC ; 09.' : 76.A50' 46' A 8' .7' <27C' 8 : .0850D' 49' 246' 6"00 : ' 4898' 438.498' 246' : 57.0=.5066' M8==75D49B' .7' .20' 0I : "898.479' 73' 75B2064N ' <27' <4.2' 8' 57D' =8C0' .7' 8<8F09' 24C' 8==7C : 8940D' ; @' 4=.75@ ' <27' 49?4.0D' 24C' .7' 37"G "7<' 205' 89D' D06.57@' 246' 090C406 ' .20' : 85.4689' 73' 854A6# .' 46' C7507?05' 8334 5C0D ' .28.' .246' .77F' : "8=0' 49' 4D"8L ' =796A"8.0' 73' .20' @085' . # =# ' 9$ ' " ' BBA ' <209' 50.A5949B' 357C' 8C : 8948 ' <2050' 20' 28D' ; 009' =7CC89D49B' 8.' 7"8' .20' 85C@' D06G .490D' 375' .20' 4.254D8.4=' <85 ' 20' 09.050D' # 7C0 ' =8A60D' .20' .54 ; A90' A" : 4=4A6' .7' ; 0' : A.' .7' D08.2 ' 89D' D57?0' 8<8@ 854A6' 357C' .20' =4.@# 09A6' <86' .20' 06 : 0=48" 7 ; 0=.' 73' A""8L6' 8D758.479 ' 49' 50C0C ; 589=0' 73' <27C' 20' =8A60D' 205' 0.44B@' .7' ; 0' 6.5A=F' 79' .20' 7 ; ?0560' 73' .246' =749# M 00' #4==47' :# , *N 1 (4.2' 50B85D' .7' .20' 98C0' <24=2' 8 : G : 0856' 79' .246' D09854A6 ' 4.' 8 : : "406' .7' # 4C4"4A6

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A=8 ' .20' 38.205' 73' 24C' <27' <86' 790' 73' .20' SA8.A75AC?454' 73'KA"4A6' 8 685 '89D'46' 6A: : 760D' .7' 28?0' ; 009' SAp6.75' A9D05' A""8 ' 49' =7CC0C758G .479' 73' <2760' 8""0B0D' D508C' 20' 6.5A=F' .246' =A54G 7A6' =749# M =F20"' ?# ,>,N* 1 75' 8' D09854A6' 6.5A=F' ;@' .20' 679 ' $ " ' 600' " *' !" ' (2 (2 11

' # ' 75' 240"D* 1 00' '$ + 1 8"67'

' 8' 6C8""# 57A9D' 7598C09.' 73' B7"D' 27""7<' 49' .20' 4964D0 ' <759' ;@' #7C89' =24"D509' 73' SA8"4.@ ' .7B0.205' <4.2' .20' :500.01.8" 57 ;0 ' 89D' <24=2' 2A9B' : 09D89.' 357C' .2045' 90=F ' A9.4"# .20@' 8..8490D' .20' 8B0' 73' , ' @0856 ' <209' ; 7.2' .28.' 89D' .20' :560.01.8' <050' 01=289B0D' 375' .20' .7B8' ?454"46"# 9=0' 8554?0D' 8.' 8D7"06=0' .20@' =7960=58.0D' .20' 50"49SA4620D' D5066' 89D' D0=758.479' 73' =24"D277D' .7' .20' . ' ' 27A6027"D' D04.406 ' 86' 0564A6' .2A6' 49D4=8.06 1

A""8SA0' 6A==49=.46' 854 ; 76' D798.8' :0 : 09D4.*

8=57 ; 4A6' 50"8.06' .20' =45=AC6.89=0' <24=2' "0D' .7' .20' A60' 73' .20') ' 8C79B' .20' #7C896# 9' .20' <85' <24=2' 09D0D' 49' .20' .54AC : 2' 73' 85E' SA494A6' 546=A6' 7?05' .20' 8 ; 4906 ' .28.' F49BL6' 679 ' 8B0D' 79"@' , ' @0856 ' 28?49B' D46.49BA4620D' 24C60"3' ; @' 246' ?8"7A5 ' 89D' F4""0D' 89' 090C@' <4.2' 246' 7<9' 289D ' 246' 38.205' : A ; "4="@' 0A"7BD'\0D' 24C ' 89D' =7930550D' 79' 24C' .20' 2797A5' 73' 8' B7"D09' ; A""8 ' M0.' : 57' =79D790' "8AD8?4.' 0.' ; A""8' 8A508' D798?4.N# .' 3456.' .246' 7598C09.8"# :54?4"0B0' <86' B589.0D' 79"@' .7' : 8.54=9896' ; A.' 4.' <86' 49' :57=066' 73' .4C0' 8""7<0D' .7' 8""# =24"D509' <27' <750' .20' :560E .01.8 1 00' .20' 890=D7.0' 73' @7A9B' ' o #! ' 49' * C4"48' B096 ' :# , *

*1 246' .05C ' D054?0D' 357C' .20' .8"489' * ' 89D' .20' 509=2' * ' 46' 8 : : "40D' .7' 6A=2' 50 : 50609.8.4796' 73' .20' 2AC89' 34BA50' 86' D7' 97.' 01.09D' ; 0"7<' .20' <846.# 90' 73' .20' C76.' 89G =409.' C7D06' 73' 40 : 50609.49B' B7D6' 89D' 205706' A9D05' 2AC89' 308.A506' <86' .28.' 73' B4?49B' 79"@' .2045' 208D6# 20' 49?09.479' 73' ; A6.6 ' : 57 : 05"@' 67' =8""0D' 46' 790' .28.' D8.06' 357C' 8' CA=2' "8.05' 0 : 7=2# 2060' 0124 ; 4.' 67C0.4C06' .20' 208D' <4.2' .20' 627A"D056' 89D' 8' 6C8""# : 85.' 73' .20' =206. 1' 8.' 7.205' .4C06' .20' 208D' <4.2' .20' <27"0' =206.' 89D' 67C0.4C06 ' ; A.' ?05@' 5850"@' .20@' 49="AD0' 8' 3A""# 28"3' 73' .20' ; 7D@# 20' #7C896# =8""0D' .2060' 50 : 50609.8.4796' 73' .20' 208D' 89D' : 85.' 73' .20' ; 5086.' 73' .20' 2AC89' 34BA50 ' ' 3+ ' 75' 64CG : "@' 3+ ' 20' 3+ ' + ' 73' <24=2' 89=409.' 8A.2756' 73.09' 6 : 08F ' <050' ; A.' : 75.584.6' 73' 8' 64C4"85' D06=54 : .479# 7' .20' #7C89' =A6.7C' 73' : "8=49B' .20' ; A6.6' 73'0C : 05756' 89D' 7.205' B508.' : 05G 6798B06' 79' .2045' =7496 ' 46' .7' ; 0' 86=54 ; 0D' 790' 74' .20' C76.' 086@' 86' <0""# 86' =05.849' C7D06' 73' 86=05.849G 49B' .20' 4D09.4.@' 73' 8' ?86.' 9AC ; 05' 73' A9F97<9' 6=A" : .A50D' 208D6' 37A9D' 357C' .4C0' .7' .4C0' 8C79B6.' .20' 5A496' 73' 89=409.' ; A4"D49B6' 67C0' <4.2' 89D' 7.2056' <4.27A.' .20' .5A9F6*0' A.' .27AB2' 8' =7C : 854679' 73' ; A6.6' <4.2' =7496' 89D' C0D8""4796 ' 49' 75D05' .7' D46=7?05' .20' : 05679' .20@' 50 : 50609.' 46' .20' C76.' "4F0"@' .7' ; 0' 6A==0663A"' ' @0.' 4.' 46' 8' C0.27D' 8..09D0D' <4.2' 67C0' D4334=A".406# 9' =7496' .20' 68C0' 49D4?4DA8"# 46' 73.09' 34BA50D' 49' C89@' ?05@' D4330509.' <8@6 1 04.205' 8==75D49B' .7' 246' 8 : : 08589=0' 8.' D4330509.' : 0547D6' 73' "430 ' 75'

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; 0=8A60' .20' : 75.584.' 6009' 49' : 5734"0' 73.09' D433056' 49' 86 : 0=.' <4D0"@' 357C' .28.' 73' .20' 3A""# 38=0* 1 ' 064D06' <24=2' .20' <75FC89624 : ' 73' =7496 ' : 85G .4=A"85"@' .2760' 73' .20' "7<05' 0C : 450' <86' 73' 89' 49305475' F49D' 89D' 010=A.0D' : 57 ; 8 ; "@' 83.05' 4""E' D064B90D' : 75.584.6 ' 06 : 0=48""@' 6A=2' 86' <050' 6.5A=F' 49' .20' : 57?49=06*

20' 6.AD@' 73' 89.4SA0' ; A6.6' 89D' 208D6' =8997.' 384"# .7' 20' 73' B508.' A.4"4.@# 7' .20' 89.4SA85@' 89D' .20' 246.7548'9' .20@' 3A594'62' C8..05' 375' 503"0=.479' 79' .20' 375C' 73' ?06.C09.6 ' 75' .20' 7598C09.6' 73' .20' : 05679 ' 75' .20' 208DED5066' 89D' .20' =289B06' <24=2' 4.' A9D05<09.' 8"67' 79' .20' 8..54 ; A.06' 73' D4330509.' D04.406 ' 89D' 79' .20' "4908C09.6' 73' =0"0G ; 58.0D' C09# 20' 85.46.' 79' .20' 68C0' 6A ; 0=.' 73' 8..09.479' 349D6' 246' 8DC458.479' 01=4.0D' ; @' .20' : 0530=.479' <4.2' <24=2' .20@' 850' <57AB2.' 89D' .20' 6F4""# 73' .20' 89=409.6' 49' 4C : 85.49B' .7' .2045' : 75G .584.A50' 67C0.249B' 73' .20' 4D08"' @0.' <4.27A.' 4C : 84549B' .20' "4F09066 1 00' 2"4""49"# . ' ' * '

* (1 ' $ 1 20' ; A6.6' <24=2' 8 : G : 085' 79' =7496' 850' 8==7C : 8940D' ; @' =05.849' 6@CG ; 7"6' : 0=A"485' .7' .20C' 06 : 0=4D"@' <209' .20' .<7' 85C6' 850' ?464 ; "0' 86' 46' B09058""@' .20' =860' 79' C0D8""4796' 89D' 0?09' 79' .20' 6C8""06.' =7496' 73' .20' & ' C : 450# 20' : 549=06' 50 : 50609.0D' 79' .2060' C79A4A0444' 73.09' 27"D' 8') ' 49' .2045' 289D' .7' 620<' .28.' .20@' 850' .20' C86.056' 73' .20' <75"D# 246' B"7 ; 0' 46' 67C0.4C06' 64ACA7A9.0D' ; @' 8' <49B0D' 4=.75@' <24=2' 27"D6' 8' =57<9' 75' <508.2' D064B98.49B' .28.' 4.' 46' .7' 4=.75@' .20' 504B949B' : 549=0' 7<06' 246' 4C : 0548"# .25790# 20' + ' <24=2' .20@' 27"D' 49' .2045' 289D' <209' 49' .20' =796A"85' 28 ; 4.' 46' 6A5C7A9.0D' ; @' 8' B"7 ; 0' =285B0D' <4.2' 89' 08B"0' .7' 620<' ; @' .2060' C85F6' 73' 67?0504B9' : 7<05' .28.' .20' : 549=0' B7?0596' ; @' 24C60"3# 57C' .20' .4C0' 73' ABA6.A6' .20' =79G 6A"85' 6=0 : .50 ' .7' <24=2' 5030509=0' 46' 2050' C8D0' 8 : : 0856' =796.89."@' 79' .20' 4C : 0548"# 605406' 73' #7G C89' =7496# (209' .20' : 056796' 50 : 50609.0D' 850' 49' 85C6 ' ; 064D06' .20' ' 89D') ? ' .20@' 28?0' B09058""@' 8' 8?0"49' 49' .20' 289D' 75' 79' .20' 627A"D05 ' 86' 79' ; 5866' C0D8""4796' 73' 47="0.489 # 0?05A6 ' 57 ; A6# M 00' .20' 506 : 0=.4?0" ; 47G B58 : 24=8"# 97.4=06' 73' .2760' 0C : 05756N*

20') ' <24=2' 46' 67C0.4C06' : "8=0D' ; 0249D' .20' 208D' 73' 8' : 549=0 ' 86' 79' 8' C0D8"# 73' ABA6.A6' C85F6' .20' 67?0504B9' 8A.2754.@ ' 89D' 49D4=8.06' .20' 866AC : .479' 73' 8' : 7<05' 0SA8"# ' .7' .28.' 73' .20' B7D6* 1 20' ' 46' 73.09' 0CG : "7@0D' 86' 8' 6A : : 75.' .7' .20' ; A6.6' 73' 0C : 506606' <27' 86' 450D' .7' 27"D' 49' .20' .8.0 ' 73' <24=2' .20' 0C : 0575' <86' 866AC0D' .7' ; 0' .20' 6A9 ' .28.' : "8=0' <24=2' <86' 8664B90D' .7' .20' C779' 49' .20' 208?096# M 00' K7 ; 05.' 0D4.0D' ; @' 4C85D ' ?7"# 4# H ' 0.' 60S*N 1 9' =7496' 73' .20' "7<05' 0C : 450 ' .20' B"7 ; 0' 46' 6009' 6A5C7A9.0D' ; @' 8' S ' 06 : 0=48""@' 83.05' .20' 504B9' 73' 796.89.490 ' <209' .20' 2546.489' #0"4B479' 28?49B' ; 009' 3A""@' 06.8 ; "4620D' 86' .28.' 73' .20' .8.0 ' 0C : 05756' : 5730660D' .2045' <462' .7' 49G D4=8.0' .2050 ; @' .28.' .20@' 50B85D0D' .20C60"?06' 86' 27"D49B' .20' 0C : 450' 357C' K06A6' 2546.' <2760' ; A6.' .20' @\89.490' 0C : 05756' 28D' .20' : 506AC : G .479' .7' : "8=0' 79' .20' 50?0560' 73' .2045' =7496 ' 89D' 98C0D' 375' .28.' 76.0964 ; "0' 508679 ' * 6' $ &.' 1 1.20' ' 49B' 73' ' 49B6*

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2060 ' 89D' C89@' 7.205' =7496' <4.2' ?8547A6' K@:06 ' <050' 6.C0F' ;@' 85=A6' 89D' 8496' 0=4"4A6' 0.0f76 ' 6796' 73' %A49.A6' 0.="'A6' 8=0D794=A6 ' 49' 5030509=0' .7' .20' .<7' :549=4:8"' B"7546' 73' .20' 38C4"@ ' .28.' 46' .7' 68@' .20' 7?05.257<' 73' .20' 60AD7E 24"4: :A6' M 9D546=A6\' 49' 8=0D7948 ' DOG 308.0D' 89D' .8F09' :5467905' ;@' .2045' 38.205 ' .20' :5m.75 ' 49' ' 9$ ' " ' , N ' 49' .20' .245D' A94=' <85 ' 375' <24=2' 20' 09 7@0D' .20' 2797A56' 73' .20' .54AC:2' ' 89D' 79' <24=2' 7==86479' 62790' 8' CA"G .4:"4=4.@' 73' 8=0D79489' 6240"D6 ' 6A=2' 86' 850' 37A9D' 50:50609.0D' 79' =7496' ' 89D' 8"67' .20' B508.' ?4=.75@' B8490D' 49' [' M9'=' >[N' 343.009.2' @085' 73'.20' 3456.' A94=' <85 ' ;@' .20' :57=796A" A=4A6' 0.0""96 ' .2045' :57B094.75 ' 7?05' 86D5A;8" ' 9085' 8975CA8' M 8"05C7N' C79B6.' .20' 6:74"6' <050' ,> ' 0"0G :289.6' <24=2' 20' .5896:75.0D' .7' #7C0 ' 89D' <24=2' 375C0D' .20' C76.' 86.79462L9B' 308.A50' 73' 246' C8BG 9434=09.' .54AC:2' 246' =45=AC6.89=0' 46' C7D06."@' 50=75D0D' ;@' 8' 64C:"0' ;4B8' 73' 0"0:289.6' 79' D098544 ' 89D' ;@' .20' 208D' 73' 89' 0"0:289. ' 79' ;5866' :40=06' 73' .246' 38C4"@* 1 00' #4==47 ' :' H * H' 1 0C8D0' 208D' ' ;03750' 4.' 8' 6.75F* 6 1 %' =' ' :' ' %A49.A6' m=4"4A6' :.0""A6' 4A6' C:058.75' 9' 0"0:289.' <8"F49B* 246' =749' 8"67' 8""AD06' .7' .20' ?4=.75@' <79' ;@' %A49.A6' 0.0 A6 ' 7?05' .20' 85.28B494896 ' 49' 4=4"@ ' 50=75D0D' 79' .20' :50=0D49B' jM0985 4A6* 1 ' ^ 20' 68C0' 64"?05' =749' 506.750D' ;@' 58 89 ' 46' 73' .20' 24B206.' D0B500' 73' 5854.@ 1 ?8"A0D' ;@' 47990.' 8.' , ' 35' 89D' ;@' #4==47' 8.' >[' + 1 9G B58?0D' 49' 750" ' 89D' #4==47*Q ' 1 %' ' 20' <49B0D' 208D' 73' 8""86 ' 9085' 4.' +* 6 1 KA:4.05 ' 49' 8' SA8D54B8 ' 27"D49B' 246' 54B2.' 289D' 8' ;589=2 ' 49' 246' "03.' 8' .2A9D05;7".* C79B6.' .20' ' <27' ;750' .20' 98C0' 73' %A49.A6 ' ;@' 385' .20' C76.' =0"0;58.0D' <86' 20' <27 ' 86' 8"508D@' 8D?05.0D' .7 ' .54AC:20D' 7?05' 9D546=A6 ' :50.09D05' .7' .20' 98C0' 73' 2 4:' 89D' .7' .20' F49BG D7C' 73' 8=0D7948 ' 89D' <27 ' 79' 8==7A9.' 73' .28.' ?4=.75@' 7;.8490D' .20' =7B97C09' 73' 8=0D794=A6' 0""04A6' M=4.0D' ;@' 8?05=8C:N' 6:08F6' 73' 246' 649G BA"85"@' 375.A98.0' D06.49@' 75' ;064D06' 246' 6:"09D4D' .54AC:26 ' 246' 8C:"0' 2797A56 ' 89D' 246' 24B2' :764.479' 49' .20' 50:A;"4=' 20' ;57AB2.' A:' 37A5' 6796 ' 8.' 89' 8D?89=0D' :0547D' 73' 246' "430 ' ;020"D' .20C' 8554?0' 8.' C8.A54.@' 73' 8B0 ' 89D' "03.' .20C' 8 ' 7==A:@49B' .20' C76.' 2797A58;"0' 64.A8.4796' 46' 3A9058" ;405' <86' =8554OD' .7' .20' ' ;@' .2060' 37A5' 6796 ' 790' 73' <27C' <86' 8' =0967' 89D' 73' =796A"85' 589F ' 897.205' 8"67' 73' =796A"85' 589F ' .20' .245D' 8' =796A" ' 89D' .20' 37A5.2' 8' 6A==0663A" =89G D4D8.0' 375' .20' =796A"624:* 1 =F2 " 8B5006' <4.2' 8?05=8C:' 49' 86=54;49B' .246' =749' .7' .20' 8;7?0E C09.4790D' %' 0.0 A6 ' ;A.' =7964D056' 4.' .7' 28?0' ;009' 6.5A=F' ;03750' .28.' :5r.75489' :056798B0' 8=240?0D' 246' B508.' ?4=.75@' 89D' <209' 20' <86' 49 .20' "7<05' C8B46.58=@' 75' D706' 20' .249F' .28.' .20' .@:0' 73' T' KA:4.05' 49' 8' SA8D54B8U' 286' 5030509=0' .7' .20' 8=0D79489' .54AC:2' 73' "0.0 A6* 1 00' 6 ' ' ?7"' , [, * [* 1 ' ' 6' :' 8A508.=D' 208D' 73' :7 7' .7' .20' 54B2.' ;0"7<' 8' 6.85* 6 1 =' ; 0"7<' ' C8"0' 34BA50' 608.0D' .7' .20' "03.' A:79' 6240"D6' 85C0D' <4.2' 286.8' 89D' :858\794AC' 89D' =57<90D' ;@' 4=.75@' 6.89D49B' ;0249D*

246' 97.' 6=85=0' ;A.' 50C85F8;"0' =749' 6.5A=F' 49' 2797A5' 68@6' #4==47' 73' (855475E#7C0' " ' 6 ' %' =57<90D' ;@' 4=.75@' <86' 67' 0C;"0C8.4=8" ' .28.' .20' =796:458.756' 73' .20' .8"489' 08BA0' 4C4.8.0D' .20' .@:0' 0I8=."@' 79"@' 6A;G 6.4.A.49B' ' 375' 6 ' <4.2' .20' 50"8.4?0' "0B09D6* .' 600C6' 49DA;4.8;"0' .28.' .246' D09854A6' <86' 6.5A=F' ;@' A"A6' 76.AC4A6' ";49A6' 679' 73' :A54A6 ' ;@' ' 60=4"4A6' 0.0 A6' 89D' ;@' 8496' A;"4=4A6' 8 07"S:' =79.0C:758907A6"@' C790.8" .54AC?456' 89D' .20' 3456.' 73' .20C' ?4*' A"A6' 76.AC4A6' 49A6' ;049B' =796A" 49' [[' 9$ ' " ' aaN' 4.' 46' .20' 7:49479' 73' 8?0D794' 89D' 73' =F20" 8"67' .28.' .20' C49.8B0' 73' .246' D09854A6' 46' .7' ;0' 8664B90D' .7' .20' H .2' @085' 73' #7C0' 9$ " ' ,> N* 1 00' ' =' :' H * *1 S' ' H' ' "8A508.=D' 89D' ;085D0D' 208D' .7' .20' 54B2.' <4.2' 28A' 49' =A5"6' 289B49B' ;0249D' 6 *1 6=4:47' ' 9' 0"0:289.' <8"F49B*

' 1 S' ' :4?6' ' ' ' 30C8"0' 34BA50' 8"C76.' 98F0D' 49' 3579.' <4.2' .20' 208D' 73' 8' "479' 75' :89.205' 6.89D6' 27"D49B' .20' 94"7C0.05' M8' C086A50' 73' .20' 49=50860' 73' .20' 0N' 8;7?0' 850' .20' "0..056' 8' ' ' " ' ' 3+ ' 75' $ % 6 *1 # ' < 5 2 +- +9 4=.75@' 27"D49B' .20' =8DA=096' 49' .20' "03.' 289D' 89D' 8' 57A9D' 6240"D' 49' 205' 54B2.* ^ 246' "0B09D' 73' 50?0560' 503056' .7' 586696' K99489A6' 790' 73' =4:47L6' "40A.0989.6' <27' 605?0D' <4.2' .20' .4."0' 73' "0B8.A6' :57:560.75* 1 75' 89' 09G B58?49B' 73' .20' =749' 600' ' ' 6 ' 60= 48*Q ' 1 S' ' ' 0C8"0' 208D' =7?050D' <4.2' .20' 6F49' 73' 89' 0"0:289.L6' 208D' ;03750' 4.' 89' 085' 73' =7C' ;0"7<' 4.' 8' :"7AB2*

%086≠ 8F49B' A :' .20' :50?84"49B' 7 : 49479 ' 45G B4"ˢ 68@6 1

KA"4A6' ' C8B97 D0C466AC' 97C09' "A"7*

==75D49B' .7' "49@ ' .20' 6A598C0' 73' ' ' <24=2' 246' 38C4"@' 2050 ' <86' D054?0D' 357C' 67C0' 89=06.75 ' <27' 28D' ;009' .8F09 ' ;@' 49=46479 ' 357C' .20' <7C ;' 73' 246' C7.205≠ 0' .246' 86' 4.' C8@ ' 20' <86' 679' 73' ' KA"4A6' 40685' M:580.75N ' 89D' 73' A50"48≠ 20' @085' 73' 246' ;45.2 ' 8.' #7C0 ' <86' .20' [E".2' 73' .20' =4.@' ' □ ' , N ' 49' .20' =79G 6A"624 :' 73' ≠ 854A6' 89D' ≠ 8"054A6' "8==A6 ' <24=2' =8"=A"8.479' M97.' A9D46 : A.0DN' C8F06' 24C' 641' @0856' @7A9B05' .289' 7C : 04A6' 8B9A6' 89D' 85=A6' A""4A6' 4=057≠ 46' C7.205 ' <27' 0I05G =460D' 8' ?4B4"89.' 6A : 0549.09D09=0' 7?05' 205' =24"G D509%6' 0DA=8.479 ' .77F' .20' B508.06.' 49.0506.' 4A' .20' 8D?89=0C09.' 89D' <0"3850' 73' 205' 679 ' <27' 79' 246' : 85.' 8 : : 0856' .7' 28?0' ;009' 8330=.4798.0"@' 89D' 50?0509.48""@' 8..8=20D' .7' 205*

(209' 86' @0.' 8' C050' ;7@ ' KA"4A6' <86' 0"0=.0D' .7' .20' D4B9434 0D' 7334=0' 73' ! ' . F3' .257AB2' .20' 4A.0506.' 73' 8496' H_4854A6' <27' 28D' C85540D' 246' 8A9.' KA"48' ' □ ' N≠ 9D' 83.05' .20' D08.2' 73' .28.' =0"0 ; 58.0D' #7C89 ' ;0' .77F' 375' 246' <430' 7940"48 ' D8AB2.05' 73' ≠ 998' ' □ ' HN ' <427C' 20' 503A60D' .7' 50 : AD48.0 ' 8".27AB2' A""8 ' B508."@' 0958B0D' 8B8496.' 24C' 375' 28?49B' 7490D' .20' : 7 : AG "85' : 85.@ ' 28D' =7CC89D0D' 24C' .7' D7' 67≠ 246' ="4858=.=546.4=' D46 : "8@ 73' 5067"A.479 ' 27<0?05 ' 28D' .20' 0330=.' 73' : "8=49B' 246' "430' 49' B508.' D89B05 ' 357C' .20' 89B05' 73' .20' D4=.8.75 ' <27' 8.' i09B.2 ' ; A.' <4.2' 50"A=.89=0 ' <86' 49DA=0D' .7' : 85D79' 24C ' 6.4""ˢ C00.49B' .20' : "08' 73' @7A.2' 89D' 4964B9434=89=0' A5B0D' 49' 246' 38?7A5' ;@ 80685%6 35409D6' 89D' 49G .05=066756 ' <4.2' .20' :57 : 20.4=' 504985" ' .28.' T' 49' ' ;7@ .2050' <050' C89@' 854A606' MCA".76' 04' 85476N ' 89D' .28.' 20' <7A"D' 0?09.A8""@' ;0' .20' 5A49' 73' .20' : 8.54=489' 75D05*V

%A4..49B' #7C0' 375' 648' ' □ ' ,N ' 83.05' .20' =79="A6479' 73' .20' 4.254D8"4=' <85' 20' <86' 609.' ;@' 49A=4A6' 205CA6' 357C' @.4"090 ' 79' 8' C46G 6479' .7' 4=7C0D06' ≠' ' 49B' 73' 4.2@948 ' <24=2' 28?49B' 3A"34""0D' 20' 50.A590D' .7' 246' B09058"' ;@' <27C ' 375' 246' =79DA=.' 8.' .20' 640B0' 73' @.4"090 ' ;0' <86' 50<85D0D' <4.2' 8' =4?4=' =57<9≠ 20' D08.2' 73' A""8' 7==A5549B' ! ' = ' ' <24"6.' 80685 <86' 605?49B' 49' 4"4=48 ' A9D05' .20' =7CC89D' 73' ≠ A" : 4=4A6' 20' 496.89."@' 50.A590D' .7' #7C0 ' 89D' .20' 37""7<49B' @085 ' B8490D' B508.' =50D4.' 89D' : 7 : A"854.@' 375' 246' 8 ; 4"4.@' 89D' 0"7SA09=0' 4A' 8=G =A649B' 7"8 ; 0""8' 73' 0I.75.479' 49' 246' B7?059G C09.' 73' 8=0D7948≠ 0' 28D'.209' 6=85=0"@' =7CG :"0.0D' 246' □□9D' @085 ' 89D' .7' : 0530=.' 24C60"3' 49' 758.75@ ' 49' <24=2' A".4C8.0"@' 20' <86' =7964D050D' 60=79D' 79"@' .7' 4=057 ' 20' A9D05.77F' 8' ?7@8B0' .7' #27D06≠ 9' .246' 7==86479 ' .20' @7A9B' C89' D46 : "8@0D' 8' 3490' 0I8C : "0' 73' :57C : .4.AD0' 89D' 49.50 : 4D4.@ ' 375' ;049B' =8 : .A50D' ;@ : 458.06 ' 89D' 58967C0D' ;@' 8' =79.54 ; A.479' 73' 343.@' .8"09.6' 5846 0D' 375' 246' "4 ; 058.479' ;@' 8' 9AC ; 05' 73' &500F' C854.4C0' =4.406 ' 20 ' <4.2' 8' 286.4"@' C8990D' 3"00.' 73' 4"06489' ?0660"6 ' 8..8=F0D' .20' : 458.06 ' <27C' 20' =8 : .A50D' 89D' =8A60D' .7' ;0' =5A=4340D' 1 9' ' □ ' F ' 20' : 8660D' 7?05' 357C' #27D06' 49.7' 648 ' 8.' .20' =7CC09=0C09.' 73' .20' 60=79D' 4.254D8.4=' <85≠ 20' 68C0' @085' 20' 50.A590D' .7' #7C0 28?49B' 49' 246' 8 ; 609=0' ;009' 0"0=.0D' 79.433 ' 49' .20' 577C' 73' A50"4A6' 7..8 ' 246' A9="0≠ 064D06' .246' 8 : : 749.C09. ' .257AB2' : 8.54=489' 49.0506. ' 20' <86' 6779' =508.0D' 4"4.85@' 54 ; A90' 8B8496.' 8' : 7<?053A"ˢ =7C : 0.4.75 ' ;@' D49.' 73' : 7 : A"85' 38?7A5≠ 0I.' 20' <09.' 86' %A806.75 .7' : 849 ' 89D' 8.' &8D06' M 8D4\N ' 79' 6004 9B' 89' 0334B@' 73' "0I89D05' .20' &508. ' 20' 620D' 8C ; 4.47A6' .0856≠ #0.A590D' 79=0' C750' .7' #7C0 ' 89D' 246' 3456.' <430' 7590"48' ; 049B' D08D' 40685' 49' ! ' =≠ ' C85540D' 7C : 048 ' .20' D8AB2.05' 73' %≠ 7C : 04A6' #A3A6' 89D' 73' 7590"48 ' D8AB2.05' 73' A""8≠ 8?49B' .2A6' A94.0D' 24C60"3' .7' .20' 27A60 ' KA"4A6' 8=.4?0"@' :57C7.0D' .20' ?40<6 ' 89D' 0334=409."@' 84D0D' .20' :57=00D49B6 ' 73' 7CE' : 0@≠ 9' #$$' ' □ ' ##% ' 20' <86' 0"0=.0D' 790' 73' .20' 445A"0' D4"=6 ' 89D' .20' 37""7<49B' @085 ' 28?49B' ≠ 4 ; A"A6' 375' 246' =7""08B90 ' 605?0D' .20' 7334=0' <%4.2' A9 : 50=0D09.0D' C8B9434=09=0≠ 4 ; A"A6' "85B0"@' 62850D' 49' .20' =76.' 73' .20' : A ; "4=' B8C06' ; A.' .7' ==685' M4CC086A58 ; "@' D00 : ' 49' D0 ; .N' R?86 8<85D0D' 8""ˢ .20' =50D4.' 73' .20' "4 ; 058"4.@ ' 89D' 8""ˢ .20' 8 : : "8A60' 73' .20' : 07 : "0*

""ˢ .20' @085' A≠ =≠ &"ˢ ' □ ' HN ' ≠ A""4A6' 4=057≠ 89D' ≠ 9.79@' ;049B' =796A"6 ' 79' .20' D08.2' 73' 0.0""A6' 4A6 ' 4=685' <486' D0="850D' 79.430 I' 814CA6≠ 9' .246' 7==86479' 20' =8A60D' CA9434=09." "85B06606' .7' ;0' D46.54 ; A.0D' .7' .27' : 07 : "0 ' 20' 28?49B' : 50D4=.0D' .7' 246' C7.205 ' A6.' ;03750' 20' <409.' D7<9' .7' .20' 1 ' T' 246' D8@' @7A' <4""ˢ 600' @7A5' 679' 04.205' 79.430 I' 814CA6' 75' 89' 014"0"√ M "A.85=2 ' ' $ % 1 ' 0' 28D ' 27<0?05 ' 8"508D@' ;009' 0957""0D' 49' .20' 79.434=8"ˢ =7""0B0 ' DA549B' 246' 8 ; 609=0' 49' 648*

9' a>' ' □ ' >N ' 49' .20' =796A"624 :' 73' ≠ KA94A6' 4"89A6' 89D' ≠ 4=494A6' 95098 ' 20' <86' C8D0' ! I ' --) p8 ' 3.05' 246' : 5==.75624 :' M"8D09' <4.2' D0 ; .6' 89D' A98 ; "0' .7' 38=0' 246' =50G D4.756N ' 20' <09.' 86' : 57E=796A"ˢ 49.7' A64.8948 ' 89D' .2050 ' 49' .20' 37""7<49B' @083 ' 83.05' ?89SA462G 49B' 090C406 ' <27C' 20' D4D' 97.' 349D' 6A=2 ' ; A.' 509D050D' .20C' 67 ' .257AB2' 246' 8C ; 4.479' 73' 8' .54AC : 2' 89D' 6 : 74" ' 20' <86' C8D0' 7 *

a ' ' □ ' N ' 50.A5949B' .7' #7C0 ' 89D' B7G 49B' .7' .20' ' 20' =89?8660D' 8.' .20' 68C0' .4C0' 375' 8' 54AC : 2' 89D' 375' .20' 796A"8.0 ' 89D' ; 049B' A98 ; "0' .7' 8..849' ; 7.2' .2760' 7 ; 0=.6' M375' 20' =7A"D' 97. ' <4.27A.' ; 049B' : 056798""@' : 50609. ' ;0' 8' =89D4D8.0' 375' .20' 796A"8.0 ' 89D' 79' .20' 7.205' 289D ' 28D' 20' 09.050D' .20' =4.@' 86' 8' : 54?8.0' 49D4G ?4DA8"' 20' =7A"D' 97.' 83.05<85D6 ' 8==75D49B' .7' "8<' 09 7@' 8' 54AC : 2N 1 20' 50"49SA4620D' .20' "8..05 ' 89D' <86' =508.0D' 375' .20' @085' a[' ' □ ' [aN 796A"' ' <4.2' ≠ 4 ; A"A6≠ 0' =8554 0D' 246' B5854B9' "8<' ; @' 375=0' 8B8496.' .20' : 57.06.6' 89D' 0D4=.6' 73' 246' =7""08BA0 ' 89D' 7 ; .8490D' 357C' .20' ? 098.0' .20' B7?059C09.' 73' ""@54=AC ' 89D' &8""48' 4.05475' 89D' ".05475 ' 86' : 57E=7969"' ' <4.2' .2500' "0B4796 ' 375' 34?0' @0856 ' 8.' .20' 0I : 458.479' 73

<2 4=2 ' 84D0D ' ;@ 7C : 0@ 89D ' # 5866A6 ' 20 0I . 75.0D ' 897.205 ' 3450 ' @0856# 46 ' ?4=.7540 6 ' DA5G 49B ' .246 : 0547D ' 7?05 ' .20 0"?0.4 ' &05C894 ' &8""4 ' 89D 54.8994 ' 850 ' <0"" F97 < 9# 7A. ' .246 ' .4C0 ' m684# B8?0 "446 D8AB2.05 ' 49 ' C85548B0 ' .7 7C : 0@ ' 89D ' C85540D ' 24C60"3 8" : AC48 ' D8AB2.05 ' 73 # 467 ' =796A" .20 ' 37""7<49B @085*

3.05 ' 28?49B ; 009 7==A : 40D ' DA549B ' .20 @0856 ' 89D ' $! ' =# [, ' 89D N ' 49 ' =7C : "0.49B .20 : 8=434=8.479 ' 73 &8A" ' 60685 ' 49 ' .20 6 : 549B ' 73 [' □ ' aN ' ; 0B89 ' .7 8 : : 578=2 ' 908505 ' .7 #7C0 ' 89D ' .7 ; 06.7<' 246 8..09.479 ' 79 ' .20 ' 8338456 ' 73 .20 =4.@ ' <2050 045=AC6.89=06 <050 8"508D@ 7==A5549B ' <24=2 ' 6779 ' 506A".0D ' 49 8 ' .7.8" 5A : G .A50 ' 73 B77D A9D056.89D49B ; 0.<009 7C : 0@ 89D ' 24C60"3*

9 ' ' □ ' aN ' DA549B ' .20 =796A"624 : 6 73 # "8AD4A6 85=0""A6 89D # 7590"4A6 09G .A"A6 ' .20 =4?4" <85 <4.2 7C : 0@ <86 =7CG C09=0D# 8?49B : 8660D .20 #A ; 4=79 ' 89D D54?09 ' 7C : 0@ ' <4.2 .20 =796A"6 ' 49.7 &500=0 ' 20 ' 09G .050D ' #7C0 ' 89D ' ;57F0 49.7 . ; 0 .5086A5@* 1 ' &749B .209=0 49.7 : 849 ' .28. ' 20 C4B2. ' "08?0V 97.249B A9BA85D0D 49 246 5085 ' 20 50DA=0D .7 6A ; C466479 ' 79 .20 >9D 73 ABA6. ' 0.50496 89D 35894A6 ' B09058"6 73 7C : 0@L6 "0B4796 ' 89D 28?G 49B .8F09 8664"48 M 85604 =6N ' 50.A590D .7 #7C0 ' <2050 20 37A9D .28. ' 49 246 8 ; 609=0 20 28D ' ;009 8 4 : 749.0D 4=.8.75 ' 375 .20 : A5 : 760 73 27"D49B ' .7 0"0=. ' .20 =796A"6 ' ; A. ' 20 8 ; D4=8.0D .246 7334=0 49 0"0?09 D8@6 83.05 ' <4.2 .20 ?40<' 73 : A56A49B 7C : 04A6 8B9A6 49.7 &500=0*

' □ ' N# 796A" 375 .20 60=79D .4C0 ' <4.2 # 05?4"4A6 8.48 68A54=A6 86 =7 08BA0 ' 28?49B ; 009 3456. ' D0308.0D 8. ' @5528=24AC ' M A58\\7N ' 20 .A590D .20 .8 ; "06 8. ' 28568"48 49 20668"@ ' 79 .20 [.2 ' 73 .20 4D06 73 0I . 4"46 ' <24=2 D8@ ' ' + 3 - ' 3 ' 30"" 49 .20 C79.2 73 KA90# M 00 0F20 6 50C85F6 79 .20 r68E 5489) 58 ' ?7"# 4?# : # N* 1 9 .20 90<6 73 .246 ?4=.75@ 508=249B #7C0 ' 20 <86 8B849 =508.0D 4=.8.75 375 8 <27"0 @085 ' 89 2797A5 <24=2 <86 6A ; 60SA09. "@ 5090<0D 0?05@ @085# 8?49B 37"G "7<0D .20 3A9D 7C : 0@ ' 20 24C ' D08D 49 B@ : . ' 89D .2050 ' 0969850D ; @ .20 =285C6 73 "07 : 8.58 ' 20 A9D05.77F 8 5862 <85 <4.2 205 ; 57.205 .7"0C@ ' <4.2 .20 ?40<' 73 B4?49B 205 .20 09.450 67?0504B9. @ 73 B@ : . *

' □ ' N ' 20 .77F "0189D548 79 .20 □ .2 ' 73 85=2# 8?49B : A. ' .7"0C@ .7 D08.2 ' 20 B8?0 B@ : . ' 49.7 .20 289D6 73 "07 : 8.58# 0 .209 2A5540D 246 85C@ 8B8496. ' 28598=06 ' .20 ' 49B ' 73 76 : 275A6 ' 89D D0308.0D 24C ' 79 .20 >9D 73 ABA6. * 1 #0.A5949B .7 #7C0 ' 20 : A. ' D7<9 .20 =7CC7.4796 .28. ' <050 B749B ' 79 .2050 ' 89D C8D0 : 50 : 858.4796 375 .20 354=89 <85 1 8 <85 <24=2 .77F 4.6 ' 5460 ' 7A. ' 73 .20 : 85. @ 300"49B6 73 894C764. @ ' 09B09D050D 49 .20 =7""46479 8. ' 2856828 ' ; A. ' 7<49B .7 .20 8==066479 73 KA ; 8 .7 .20 .25790 73 AC4D48 ' 790 09?45790D <4.2 D89B05 ' 20 : 8660D 7?05 49.7 354=8 ' : 547@ .7 .20 <49.05 67"6.4=0*

' □ ' *N 049B 796A" 375 .20 .245D .4C0 ' <4.2 #) C 4A6 0 : 4DA6 86 246 =7""08BA0 ' 20 D0308.0D =4 : 47 ' KA ; 8 ' 89D 0.504A6 ' 8. ' 28 : 6A6 ' 49 354=8 ' 79 .20 .2 ' 73 .20 4D06 73 +

: 54"# #0.A5949B .7 .20 =4.@ ' 20 =0"0 ; 58.0D DA549B 37A5 D8@6 ' 37A5 D46.49=. ' .54AC : 26 ' 50G 6 : 0=.4?0"@ 50305549B .7 .20 &8A"6 B@ : . ' 285G 98=06 ' 89D KA ; 8# 0 90I . ' : 50 : 850D 375 8 <85 49 : 849 <4.2 .20 67A6 73 7C : 0@*

^ *Q

a □ ' [N# 4=.8.75 375 .20 .245D .4C0 M= 68# ' 4O*' #*N 89D 796A" 375 .20 37A5.2 .4C0 ' <4.27A. ' =7""08BA0 ' 20 B8490D 8 D4334=A". ?4=.75@ 7?05 .20 7C : 04896 8. ' A9D8 ' 49 .20 6 : 549B 73 .20 @085 ' 89D 8. ' .20 .4C0 73 .20 00"0E ; 58.479 73 .20 306.4?8" 73 8==2A6 M49 85=2N ' .20 .4D49B6 73 .20 ?4=.75@ 508=249B #7C0 79 .20 D8@ ; 03750 .20 # ' 9 246 50.A59 ' 20 =0"0G ; 58.0D 8 .54AC : 2 ' 6A=2 86 28D 90?05 7==A550D ; 03750 7?05 ?89SA4620D M ' @ 246 76.09G .8.47A6 8C ; 4.479 73 ; 0=7C49B 8 3 89D ; @ .20 866AC : .479 73 2797A56 .77# "73.@ 375 C75.8# C89 20 49=A550D .20 28.50D 73 C89@ 49D4?4DA8"6 89D .20 09?@ 73 8"" ="86606*

' □ ' N# : : 749.0D 05 : 0.A8"# 4=.8.75 M #' 4O*' # ?6N 89D 796A" 375 .2 0 343.2 .4C0 ' <4.2 # 9.79@ 86 246 =7""08BA0 ' <24"6. ' C0D4.8.49B 8 =8C : 84B9 8B8496. ' .20 &0.00 89D 85.24896 20 <86 : 79485D0D 49 .20 6098.0E 27A60 49 .20 4D06 73 85=2 ' ; @ 8 =796 : 458=@ 73 28AB2.@ 50 : A ; "4=896 60. ' 79 377. ' ; @ 5A.A6 89D 8664A6* 1 00 ' ' ' : # , [*

80685 <86 49 246 [.2 @085 8. ' .20 .4C0 73 246 866866498.479 ' C89 8 ; 7?0 8 7.2056 C85G ?0""7A6"@ 8==7C : "4620D 49 .20 85.6 73 ; 7.2 : 08=0 89D <85 790 .289 <27C 89.4SA4.@ =8997. ' : 57G DA=0 8 C750 D46.49BA4620D 0I8C : "0# 7 ; "0 89D =7CC89D49B 49 : 05679 73 "73.@ 6.8.A50 89D 3845 =7C : "0I479 246 ; "8=F 0@0_ <050 : 405=49B 89D 246 <27"0 =7A9.0989=0 50 : "0.0 <4.2 0I : 5066479# 0 60"D7C <750 ' ; 085D M600 % ' 89D .7<85D6 .20 =760 73 246 =85005 20 28D <28. ' .7 24C ' <86 684D .7 28?0 ; 009 ' B508. ' 8997@89=0 ' ; 8"D ; 08D# 8.A58""@ 73 8 D0"4=8.0 =796.4.A479 20 6.509B.2090D 89D 49?4B758.0D 24C60"3 ; @ =7A560 73 .0C : 0589=0 49 08.49B 89D D549F49B 89D 6A=2 <86 .20 345C 6.8.0 73 246 208".2 .2A6 =8503A""@ 6A6.8490D ' .28. ' .2050 <86 6=85=0"@ 89@ D0B500 73 ; 7D4"@ 38.4BA0 75 73 C09.8# 0IG 05.479 <24=2 20 <86 97. ' 8 ; "0 .7 09=7A9.05 =A.0 49 49.0 ""0=. ' 20 : 7660660D 89 0"7SA09=0 ; 7.2 98.A58"# 89D =A".4?8.0D ; @ .20 6.AD@ 73 "4.058.A50 1 <4.9066 .2760 494C4.8 ; "0 T 7CC09G .85406U <24=2 28?0 4CC75.8"4\0D 24C 86 8 <54.05# (4.2 ' 6 : 454. ' : 57C : . ' 89D D8549B 49 : 054# =7"G "0=.0D 89D A9D8A9.0D ' 20 0I24 ; 4.0D 68B8=4.@ 73 .20 24B206. ' 75D05 ' ; 7.2 49 375060049B D4334=A".406 89D 49 0I.54=8.49B 24C60"3 .2050357C ' <209 C76. ; 060.# 8?49B 0905B@ 375 89@ 09.05 : 5460 89D : 8.409=0 .7 ; 549B 4. ' .7 89 466A0 ' 20 : 57?0D 24CE

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60"3 8.' 79=0 <85@ 89D 8D?09.A57A6 &3"3=58""@ :5AD09.' 49 :"89949B ' 8"<8@6 6F4"3A 49 0I0=A.49B <4.F 89 A90I=0""0D =0"054.@ 49 =8.=249B 8D?89.G 8B06 20 <86 8.' .20 68C0 .4C0 67 5067"A.0 A9D05 50?05606 86 90?05 .7 "760 246 :0530=. 60"3E:76G 6066479*1 209 .246 ;7"D "08D05 73 .20 #7C89 "0B4796 49?8D0D 54.849 '.27AB2 .20 <856 49 &8A 89D &05C89@ <050 A93494620D 20 '.7 096A50 .20 :8668B0 ' :056798""@ 67A9D0D .20 =28990"# 43.@ :4.=20D ;8.."06 8..06.0D 246 C4"4.85@ :57<066 89D 6A:05475 OSA8""@ .7 .20 6A:056.4.4796 73 8ABA5@ 89D .7 .20 =79.8B4796 493"A09=0 73 D06:79D09=@ 75 73 :894=' 20 79 60?054D 7==864796 ;@ 246 49D4G ?4DA8 ;58?05@ .A590D .20 .4D0 73 ;8.."0 <209 ?4=.75@ <86 D0="8549B 8B8496.' 24C 46 B77D 375.A90 MB508.05 :0528:6 .289 0?05 30"" .7 .20 "7. 73 89@ 7.205 C75.8"\ 90?05 D0605.0D 24C 97.G <4.26.89D49B 246 350SA09.' 5862 89D 4 E=7964E D050D "896 89D :57=00D49B6 7 .2060 SA8"4.406 <050 49 24C 8DD0D 8 B508.' 89D 79"@ .77 "8?462 D46:764.479 375 "4;058"4.@ 89 086@ 8DD5066 89D 89 8338;4"4.@ 73 C899056 C76.'50C85F8;"0 8;?70 8"" 8 ="0C09=@ .7<85D6 .20 ?89SA4620D 6=85=0"@ .7 ;0 =50D4.0D 89D <24=2 :57C :.0D 24C .7 6:850 .20 "4?06 73 8"" <27 6A0D 375 SA85.05*1 :.20 ;8.."0 73 28568"48 49 75D05 .S 68?0 .20 =4.4\096 .20 8997A9=0D ;@ .20 ?74=0 73 .20 2058"D .28.' 246 894C764.@ <86 "84D 864D0 <4.2 246 85C6 89D 97.' 79"@ D4D 20 50.A59 .7 .05C6 73 8C4.@ <4.2 246 =79SA050D 3706 2A.' 20 0?09 B589.0D .20C 8 62850 73 <08.2 89D 2797A56 C89 .2A6 09D7<0D <4.2 8"" .20 =7CC89D49B 89D 09B8B49B SA8"4.406 <24=2 B4?0 86=09D89=@ 49 67=40.@ CA6.' 28?0 6<8@0D .20 D06.49406 73 246 =79.0C:7585406 49 89@ 8B0 89D 49 89@ 98.479 A.' ;064D06 246 58:8=4.@ :57D4B8"4.@ 89D 6=89D8"7A6 49=79.49 9=@ 20 28D 897.205 ?4=0 73 8 C750 D06.5A=.4?0 =2858=.05 1) <24=2 357C 246 085"406.' @0856 496:450D 24C <4.2 .20 D06450 .7 8..849 .20 0C:450 73 .20 <75"D 7 8:086 .246 :866479 C89@ 8=.6 357C <24=2 246 ;0..05 98.A50 <7A"D 28?0 62589F 50SA450D .7 ;0 D790 49 D03489=0 73 A6.4=0 ?86.' 6AC6 0IiR09D0D .7 286.09 75 8ABC09.' .257AB2 .20 =28990"# 73 :7:A"854.@ .20 2797A56 <24=2 20 =7?0.0D 98.4796 27<0?05 :08=08;"0 89D A9G 73309D49B <050 <89.79"@ 8668 0D 89D B540?7A6"@ 7A.58B0D .7 3A59462 ="84C6 375 35062 .54A C:26 <0""ED46:760D 89D 8C4=8;"0 =7CCA94.406 285E 58660D .0C:"06 .257<9 .7 .20 B57A9D :A;"4= .5086A5406 ?47"8.0D 89D "86."@ 246 85C6 .A590D 8B8496.' 246 30""7<E=7A9.5@C09 @' A94?0568" =79609.' 20 <7A"D 866A50D"@ 28?0 ;009 8 :549=0 C76.' <75.2@ 73 .20 0C4909=0 20 B8490D 89D :503058;"0 .7 8"" ;03750 75 83.05 24C 28D 20 04.205 508=20D 4.' ;@ 2050D4.85@ 54B2. 75 8.' "086. 97.' ;009 =7C:0""0D .7 <49 4.' 8.' .20 :749. 73 .20 6<75D* 1 00 =F20" " ' ' -' ?7"" ?4 : :' >' H' 89D 1 600 8"67 8 3A"" 89D 8;"0 6F0.=2 73 60685L6 "430 89D =2858=.05 49 .20 . 3 $ 4 ? '6 ' * + 3 =*

, , ,

40685 <86 .20 3456.' #7C89 <2760 0334B406 <050 6.8C:0D 79 =7496 49 246 "430E.4C 89D 8=G =75D49B .7 479 .246 =7C:"4C09.' <86 8C79B6.' .20 :573A6479 73 2797A56 "8?4620D A:79 24C ;@

#*

.20 098.0 DA549B .20 "8..05 :85.' 73 246 0?09.3A =85005 75 246 085"406.' D09854 D.' 97.' ;085 246 :75.584.' ;A.' 0I24;4.' 375 .20 C76.' :85.' .20 208D 73 09A6 86 .2045 7;?0560 .@:0 89D 79 .2045 50?05606 .2050 B09058""@ 8:0856 ."40 <75D * ' ' <4.2 .@:06 73 =7CA=7:460 .57:2406 0"0:289.' .58C:"49B 79 8 605:09.' :79.434=8 89D 8ABA58 496.5AC09.6 *D49086 =855@49B 9=24606 89D .20 :8""8D4AC =*1 75 97.4=06 73 .2060 60D KA"48 B096 8"67 600 #

7 37""7<' 86 385 86 :7664;"0 .20 =25797"7B4=7E 9AC46C8.4= 75D05 73 85589B0C09.' 89D 8.' .20 68C0 .4C0 .7 620<' .20 :57B5066 73 00685L6 B508.G 9066 .257AB2 .20 C0D4AC 73 246 =7496 1 #4==47 286 C0.27D4=8""@ ="8660D 6A=2 73 .20C' 86 ;085 246 :75.584.' 89D 04.205 79 790 64D0 75 .20 7.205 89 49D4=8.479 73 08=2 7334=0 20"D ;@ 24C' A9D05 34?0 D4330509.' 208D6 98C0"@ 1 """4760 <4.2 .20 208D A98==7C:8940D ;@ 8 "0B09D* 1 >" (4.2 .4."0 73 C:058.75* 1 H 79.4301 814CA6* 1 4=G .8.75 375 .20 3456.' 60=79D ' .245D ' 89D 37C332 .4C0 1 [05:0.A8 4=.8.75* 1 7 .2060 20 8DD6 .20 C790.8 50=75D6 73 60685 86 8 C89 73 .20 B508.06.' ="0C09=@ ' 86 .20 38.205 75 :8509.' 73 .20 =7A9.5@ "86."@ 86 58460D 83.05 D08.2 .7 D04G 34=8.479* 1 20 37""7<49B 850 8C79B .20 C76.' 50G C85F8;"0 018C:"06 73 08=2 ="866

' J! ' &

08D 73 KA"4A6 80685 "8A50830D*

E ' # J' & # # *1 ' =8"3 6.89D49B*

^ 00 <77D =A.' 7 , 8.' .20 208D 73 .20 ;47G B58:24=8 97.4=0 :* , [, *Q

08D 73 KA"4A6 80685 "8A508.0D 6 =* 6 *1 # # &# # %# & 6 =: 085 :"7AB2 "0B47985@ 08B"0 89D C4"4G .85@ 0964B9*

08D 86 8;7?0*

6 *1 4 .?6 4444 ?4#*1 09A6 6.89DG 49B 27"D49B .20 286.8 89D .20 =8DA=0A6*

08D 86 8;7?0 <4.2 =8DA=0A6 ;03750 4.' 89D "8A50 ;589=2 ;0249D 4.*

6 *1 I4?4 4?6'# & *1 '3A547A6 ;A""* 9 246 50.A59 357C 354=8 83.05 28?49B D0O 308.0D .20 7C:04896 00685 7;.8490D ;@ ?45G .A0 73 .<7 098.7548 D0=5006 8A.2754.@ .7 =8A60 246 :75.584.' .7 ;0 6.5A=F BA .20 =7496 73 .20 50G :A;"4=' .7B0.205 <4.2 .20 :54?4"0B0 73 <08549B 86 .20 24B206.' 2797A5 73 .20 .54AC:2 .20 "8A50 =57<9 <24=2 605?0D 24C ;7.2 375 7598C09.' 89D .7 =79=08 246 ;8"D9066* 1 75B2064 50B85D6 .2060 89D 7.205 =7496 73 .20 3750B749B ="866 86 8DD4.4798 :57736 .28.' 80685 D4D 97.' =7CG C09=0 6.54F49B 246 0334B@ 79 .20 #7C89 C49.' ;03750 246 37A5.2 D4=.8.75624:' ?4\ A9.4 83.05 .20 ;8.."0 73 A9D8 4A a 9s " [N*

".7B0.205 .20 8;7?0 =7496 50305 .7 .20 :7<056 =7930550D A:79 80685 .7 :08=0 27:0D 375 83.05

6A=2' 89' 033A6479' 73' 30""7<' =7A9.5@C09L6' ;"77D' .7' 09A6' .20' 4=.7547A6' <2760' 98C0' <86' B4?09' 86' .20' 64B98"E<75D' .7' 246" "0B4796' 49' .20" ;8..'0' D8@6' 73' 28568"48' 89D' A9D8' .7' 246' 37A9D@ 49B' 73' =7"79406' 49' C89@' :"8=06' 89D' .7' 7.205' 7; 0=.6' :0=A"485' 04.205' .7' 24C60"3' 75' .7' .20' 38C4@ "406' 73' 246' C790@056* 1 00' #4==47' :# , *

! ' ! 0 ' %' # *

#' 1 08D' 73' r685' "8A508.0D' ;0@ 249D' 4.' .20' 64C:A"9C' 89D' "4.AA6*

8 1 ' 4?6* 1 09A6' .20' 4=.7547A6' 6.89D6' 27"D49B' 89' 4C8B0' 73' 4=.75@' 49' .20' 54B2.' 289D' 89D' <4.2" "03.' 85C' 506.49B' 79' 8' ;A=F"05' 89D' 27"D49B' .20' ' .5896?0560"@' 49' 205' "03.' 289D*

^ ' B7"D' 6:0=4C09' 73' .246' ?8"A0D' 8.' , [' 35# 46' 09B58?0D' 49' 47990.' - ' ' = ' ' 4# :# ,Q

8C0' 208D' 89D' "0B09D' 86' 8;7?0*

E 1 ?6' #'EEEEE =9A6' 4=.54I 6.89D49B' 86' 8;7?0*

^ 00' <77D'=A.' 7# >' 49' ;47B58:24=8"# 97.4=0' :# , [>0*

6 EEEE #' ' ' #' 'EEEEEE < 289D6' 7490D*

=# #' =76# #' 1 0C8"0' 208D*

6 1 #' ' # #' ' 1 =:.A90*27"DE 49B' .20' ' 49' 246' 54B2.' 289D' 89D' :"89.@ 49B' 246' 377.' 79' .2 ' :57<' 73' 8' 624:*

6' r685' <79' C89@' ;8.."06' 7' 67' 375' .2060' ?4=.75406' 20' <86' 86' C89@' .4C06' 68"A.0D' C:058E' .75' ;@' 246' 67"D4056# A.' 20' D4D' 97.' =8A60' .20' 9AC;05' 73' .4C06' .28.' 20' <86' .2A6' :57="84C0D' .7' ;0' C85F0D' 79' 246' C49.' 86' <86' .20' :58=.4=0' 83.05<85D6' 73' ABA6.A6' 89D' 246' 6A==066756*

20' 4C8B0' 73' 09A6' 4=.54I' 503056' 86' <0""# .7' .20' :50.09D0D' 754B49' 86' .7' .20' 508"# ?4=.75406' 73' r685' .20' 7490D' 289D6' :749.' .7' .20' =79=75D' 06.8;"4620D' ;0.<009' KA"4A6' 89D' .20' 098.0* 1' 86."@' .20' 0:.A90' ;0856' 8""A6479' .7' 4=4"@' <2050' .20' =749' <86' 6.5A=F' ;@' ""409A6' .20' :57@ =796A"# 73' r685*

! ' ! 0 ' #'(!# 6' 6!

#'! #'#' 1 8A50""0D' 208D' 73' r685' ;0249D' 4.' 8' =506=09.*

6 *1 ' ' * 1 09A6' .20' 4=.7@ 547A6' 6.89D49B*

=# #' # # # +* 1 8A50@ 8.0D' 208D' 73' r685*

6 1 =# 4 76*' ' ?7* 1 850' 208D' 73' 0.8?489#

^#4==47' ?8"A06' .246' * * * * ' 49' B7"D' 8.' [' :486@ .506* 1 ' 349' 6:0=4C09' 73' .246' B7"D' =749' ;57AB2.' $, ' , 6# 8.' .20' 27C86' 68"0Q*

.' 286' 8"508D@' ;009' 97.0D' .28.' 8B8496.' 8"# =7C:0.4.479' r685' 7;.8490D' .20' 24B2' :79.444E +' >

=8.0' 490 a,' 9$' ~ ' HN' 79' .20' D08.2' 73' 0.0""A6' 4A6* 1 20' 28"3' C779' ;0249D' .20' 208D' 79' .20' 3456.' 73' .20' =7496' 8;7?20' D06=54;0D' 286' 50B85D' .7' .20' =7550=.479' 49.57DA=0D' ;@' C685' 86' :79.430I' C8I4CA6' 49.B' .20' F00:49B' 73' 899A8"# 306.4?8"6' 89D' .7' .20' 50375C8.479' 73' .20' =8"09D85' ;@' 8D7:.49B' .20' 67"85' 496.08D' 73' .20' "A985' @085* 1' 9' =7960SA09=0' 73' =8"=A"8.49B' 357C' .20' "A985' @085' .20' =8"09D85' 28D' ;009' .257<9' 49.7' .20' B508.06.' =793A6479' 89D' .20' 306.4?8"6' 8.' 3456.' 8:G :749.0D' 375' .20' <49.05' 28D' =7C0' .7' 38"# 49' .20' 6:549B# 60685' 06.8;"4620D' .20' 67"85' @085' 73' .2500' 2A9D50D' 89D' 64I.@E34?0' D8@6' <4.2' 8' D8@' 73' 49.05=8"8.479' 8.' .20' 09D' 73' 0?05@' 37A5' @0856* 1' 75' .20' 3456.' @085' ' ~ ' N' 27<0?05' 4.' <86' 900D3A"' ;064D06' .20' 49.05=8"84@' C7A.2' .7' 8DD' 64I.@E60?09' D8@6*

! ' ! 0 ' #' 7 !" *

#' 40# 8A508.0D' 208D' 73' 60685' ;0@ 249D' 4.' .20' :5603054=A"AC*

6 1 # # # #' # =# 850' 208D' 73' 9.79@ 1E;0249D' 4.' .20' "4.AA6*

^ .' .20' 27C86' 68"0' 8' 3490' 6:0=4C09' 73' .246' B7"D' =749' ;57AB2.' $>H' ;' 6*Q

20' #A;4=79' :8660D' 7C:0@' <4.2' 246' :85E' .4\896' D54?09' 49' 8' :894=' 7A.' 73' .8"@' 89D' 358E' 94A6' 89D' 0.504A6' "40A.0989.6' 73' 7C:0@' 83.05@ <85D6' D0308.0D' 49' ;0548' .20' 098.0' <050' 7;"4B0D' .7' 58460' 60685' 49' [' ' ~ ' aN' .7' .20' 7334=0' 73' 4=.8.75' 49' 75D05' .28.' 20' 627A"D' 20' 8;"0' .2A6' .7' 8DC4946.05' .20' 8338456' 73' .20' 50:A;"4=' <4.2' 8;67"A.0' 89D' 45506:7964;"0' :7<05# A.' .20' B508.' 7; 0=.' 73' 246' .27AB2.6' ;049B' .20' 7?05.257<' 73' 7C:0@' 89D' 246' 8D20509.6' <27' 83.05' 0"0?09' D8@6' 28D' C8D0' B77D' .2045' 50.508.' 49.7' 8=0@ D7948' 89D' 20668"@' 20' 5064B90D' .20' 8:.749.C09.' 73' 4=.8.75' 8.' .20' 09D' 73' 0"0?09' D8@6' 89D' =8A6@ 49B' 24C60"3' .7' ;0' 0"0=.0D' =796A"# 375' .20' 60=79D' .4C0' =57660D' 7?05' 357C' 5A9DA64AC' 49.7' &500=0' ' ~ ' * 1 1 20' :5603054=9"AC' 73' 60685' 46' 8' :79.434=8"# 6@C;7"' 86' .20' #.AA6' 73' 9.79@ 46' 89' 8ABA58"# 6@C;7"*

" ' 7 !" * !#

#' =76# * 1 08D' 73' 0506' =57<90D*

6 1 & #' # +* 1 8=5434=48"# 49@ 6.5AC09.6' <4.2' =7C' 0856' 6@C;7"6' 73' ABA58E' .479' 89D' 73' .20' A:50C0' 79.434=8.0' 67C0.4C06' ;064D0' .20' "4.AA6' 8:;0856' .20' 496A"8.0D' "0..05' # 49' 7.2056'

#' * 1 20' ' M8IOM' 89D' .20' +

6 1 #* 1 860' 89D' "4.AA6' <4.249' 8' "8A50"# =57<9* 1 ^#4==47' B4?06' 89' 09B58?49B' 73' .246' 49' F ++ ' :4# [' 7# , , ' 357C' .20' A6# 0 494' K * * ' 89D' ?8"A06' 49' B7"D' 8.' >[' :486.506*Q

60685' 28?49B' ' ~ ' N' 7;.8490D' 357C' .20' 098.0' <4.2' .20' =79609.' 73' .20' =796A"6' .20' D4=@ .8.75624:' 375' .20' 60=79D' .4C0' <86' 24C60"3' 7796A"# 375' .20' .245D' .4C0' 49' .20' @085' ' ~ ' N' <4.2' # C4\"4A6' 0:4D96' 86' 246' =7 08B90* 1' 9D' 5067"?0D' 97.' .7' 8;89D79' 246' 866AC:.479' 73' 8;67"A.0' :7<05' 20' 0105=460D' 4.' 67C0.4C06' 86' D4=.8.75' 67C0.4C06' 86' =796A"*

, [' #*

20' 496A"8.0D' "0..05' ≠ 75' 9≠ <24=2' :50609.6' 4.60"3' 79' .20' 50?0560' 73' .20' 375C05' 73' .2060' .<7' D098544' 8DC4.6 ' 49' .20' 7 :49479' 73' 75B2064 ' 73' ;049B' 49.05 : 50.0D' .7' C089' ' 75' ' .2A6' 49D4=8.49B' .28.' .20@' <050' 6.5A=F' .7' :8@' 246' 67"G D4056' 75' :85.46896≠ 6' .7' .20' 208D' 73' 0506 ' 4.≠ C8@' :7664;"@' 8""AD0' .7' 354=8' ?89SA4620D ' 75' .7' .20' D0308.' 73' ' 49B' KA ; 8* 1 #4==47 ' :≠ , *

! ' 7 !" !#

' C 0≠ * 1 A6.' 73' 4=.75@' <49B0D* 6 1 4≠ * 1 4905?8' <8"F49B ' <4.2' 8' .57 : 2@' 79' 205' 627A"D05 ' 89D' 8' 605 : 09.' C7?49B' 79' .20' B57A9D' ;03750' 205* 1 4DD"0' ;5866* ^ 00' <77D' =A.≠ 7≠ H ' 49'^;47B58 : 24=8" 97.4=0 :≠ , [HQ* =≠ ' C7≠ * 1 A6.' 73' 8' <49B0D' 4=G .75@* 6 1 ≠' ≠' ≠' *EEEEEEE 8=5434=48" ?860*' 9' B7*D ' *

9' .20' 37""7<49B' @085 ' a' 9$ ' ' [N ' 83.05' 20' 28D' D0308.0D' .20' 7C : 04896' 49' 354=8 ' r685' <86' D0="850D' 4=.8.75' 375' .20' .245D' .4C0≠ 9D' ;049B' 7;"4B0D' 83.05<85D6' .7' 50 : 845' .7' :849' 375' .20' : A5 : 760' 73' =855@49B' 79' .2 :' <85' .2050' <4.2' 904A6' dC : 0"86' .2t' @7A9B05 ' 89D' .20' 7.205' 50C8496' 73' .28.' : 85.@ ' 20' 8664B90D' 7?05' .20' B7?0559G C09.' 73' #7C0' .7' 0 : 4DA6 ' 86' 246' C86.05' 73' .20' 27560 ' <4.2' 64 I ' 75' 86' 67C0' <54.056' 28?0' 4. ' <4.2' 04B2.' :5030=.6' 73' .20' =4.@ ' 8C79B6.' <27C' 8 : G : 085 ' 79' .20' =7496' 8 ; 7?0' D06=54 ; 0D ' .20' 98C06' 73' 8496' "7?4A6' 89D' A=4A6' "89=A6*E #4==47 :≠ , a*

2 ' 7 !" !#

' C = ≠' % * 1 08D' 73' KA"4AB' r685' "8A508.0D ' ; 0249D' 4.' 8' f.AA8* 6 1 ≠' 4?6* 1 KA97' 76 : 4.8' 49' 8' 58 : 4D' 24B8* ≠ C 0≠' % *EEEEE 08D' 73' 09A6 ' <0"" 8D7590D* 6 1 =76≠ <4.249' 8' =57<9' 73' "8A50"* &7"D' *

r685' <86' C8D0' 4=.8.75' 375' .20' 37A5.2' .4C0' 8 ; 7A.' .20' @085' , ' 9$ ' " ' N ' 6A ; 60SA09."@' .7' @75CB' 904A6' 7C : 0@L6' D0308.' 49' : 849 ' 375' <24=2' 6A==066' 20' .54AC : 20D' <4.2' .20' B508.06.' 4 "09E' D7A5 ' 2A.' 8"67' 0I=4.0D' ?05@' B508.' D46 : "086A50' 8C79B6.' .20' #7C896*

A549B' 246' 343.2' =796A"624 : ' 86' 49D4=8.0D' ;@' .20' "86.' D06=54 ; 0D' =749 ' 79' .20' 4D06' 73' 84I=2' 73' , ' 9$ ' " ' N ' r685' <86' 866866498.0D' 49' .20' 6098.0' 27A60*

7<' 43 ' 49' .28.' @085 ' 20' <86' 4=.8.75' 375' .20' 37A5.2' .4C0 ' 89D' 97.' @0.' 05 : 0.A8"≠ 4=.8.75 ' 4.' <7A"D' 600C' .28.' .20' "86.' D06=54 ; 0D' =749' 733056' 8' =79.58D4=.479≠ A.' .246' ?8946206 ' <209' 4.' 46' =7964D050D' .28.' .20' =796A"8.0' <86' 89' 75D4985@' C8B46.58=@ ' <24=2' <86' =7930550D' 49' .20' =8"09D6' 73' K89A85@' 49' 08=2' @085 ' 89D' .28.' .20' D4=.8.A50' <86' 89' 0I.5875D4985@' C8B46.58=@ ' <4.2' <24=2' 8' C89' C4B2.' 20' 49?06.0D' 8.' 89@"4C0' <28.670?05 ' 89D' 4.' 8"67' C4B2.' ;0' 50?7F0D ' 75' "B508.06.' 4=.8.75 ' 4.' 20' 496.89.≠ 09=0' .20' 37A5.2' 89D' .20' :05 : 0G .A8"≠ D4=.8.75624 : ' C4B2.' 28?0' ;009' =79 7490D' <4.2' .20' 37A5.2' 89D' 343.2' =796A"8.0 ' DA549B' .20' @085' 49' <24=2' r685' =0860D' .7' "4?0* 1 00' #4==47 ' , , *

#*

4 a ' (# 0' 7 !"

' C 0≠ *EEEE 08D' 73' KA"4A6' 60685 ' "8A508.0D* 6 *1 ≠ ≠ (49B0D' =8DA=0A6 ' "84D' 8=5766' .20' =796A"85' 386=06 ' 89' 8I0 ' .<7' 289D6' 7490D ' 89D' 8' B"7 ; 0* 20' 68C0' "0B09D' 89D' 208D* 6 *1 ≠ * 1 Z09A6' 6.89D49B* 6 1 =≠ 4C 6* 1 09A6' 6.89D49B* 6 *1 ≠ 4?6' * 1 09A6' .20' 4=G .7547A6 ' 6.89D49B ' <4.2' ; A=F"05' 89D' 286.8*

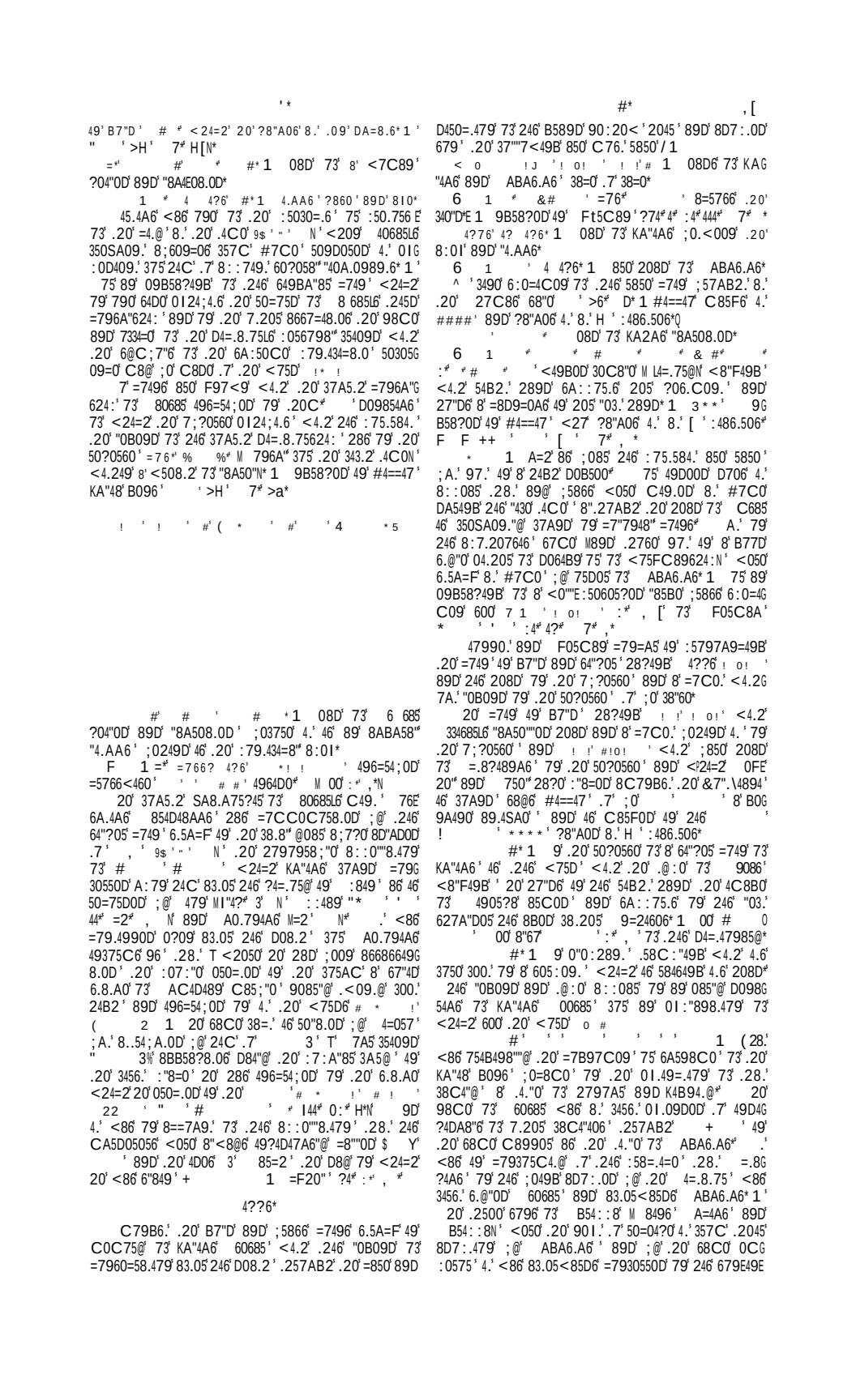
' ^C = *0' * 1 08D' 73' K9"4A6' "8A508.0D* 6 *1 ≠ *EEE 09A6' 608.0D ' 27"D49B' .20 286.8' : 58' 49' 205' "03.' 289D ' 89D' 8' 4=.7547"8' 49' 205' 54B2.* 9' .20' "86.' @085' 73' 246' "430 ' 60685' 866AC0D ' 86' 8' :57C4909.' .7F09' 73' 67?0504B9' : 7<05 ' .20' .4."0' 73' 05 : 0.A8"≠ 4=.8.75 ' 89D' .20' C790@056' 73' .28.' @085 ' A0B ' 766A.4A6 ' 89D' 0 : A""4A6 ' .589630550D' 4.' .7' .20' =7496' 8 ; 7?0' D06=54 ; 0D* 2060' .4."06' 89D' D46.49=.4796 ' 8.' 97' .4C0' 49' : 05C8909.' A60' 8C79B' .20' #7 59896 ' <050' 67' : 57G 3A60"@' "8?4620D' 79' 60685 ' .28.' .20@' D50<' D7<9' A : 79' 24C' .20' 09?@' 89D' 28.50D' 73' 97' 6C8""≠ : 75.479' 73' .20' =4.4I096 ' 89D' "0D' .7' .20' 38.8"≠ =79G 6 : 458=@' 73' .20' : 50.756' 5A.A6' 89D' 8664A6 ' 89D' 73' 7.2056 ' ;@' <27C' 20' <86' 49' 3A""≠ 6098.0' 6"849' <4.2' .20' C75.8" 6.8 ; 6' 73' .<09.@' D8BB056* 1 M 00' : * , HN*

20' 49D4=8.4796' 79' .20' 8 ; 7?0' D06=54 ; 0D' D0G 9854' 850' 8""A64?0' .7' 60685L6' ?4=.7540 6 ' .7' 246' 6A : 50C0' 89D' 8 ; 67"A.0' : 7<05 ' 89D' .7' .20' =79G =75D' <24=2' 20' 3"8..050D' 24C60"3' .7' 28?0' 06.8G ;"4620D' <4.2' .20' 098.0*

! ' ! 0 ' #4 0

60685' <86' 34?0' .4C06' 796A"≠ 246' .4."0' 46' 8 : :"40D' .7' 24C' 79"@' .2500' .4C06' 79' 246' =7496' 98C0"@' .20' 60=79D' .245DM' 89D' 343.2≠ A.' .27L .2050' 850' 97' =7496' 208549B' .20' 50=75D' 73' 246' 3456.' =796A"8.0' 20' 46' =8""0D' =796A"≠ 375' .20' 60=79D' .4C0' 75' 375' .20' .245D' .4C0 ' 79' =7496' 09B58?0D' 49' 750"' + ' 6 ' ≠ 444≠ $ ' H' 89D' * ≠ ' ≠ ≠ *

6 *1 09A6' "089498' 79' ' :4""85 ' <4.2^20"C0. ' 6 : 085 ' 89D' 6240"D* 1 #06.750D' ;@' 58 89* ^ 246' B7"D' =749 ' 49' .20' 24B206.' 6.8.0' 73' :50G 605?8.479 ' ;57AB2.' $, ' , 6≠ D' 8.' .20' 27C86' 68"0 * #4==47' D06=54 ; 06' 89D' 09B58?06' .20' 37""7<49B



73' ;7@277D' 08=2' <86' D0="850D'=796A"' 0"0=.' 89D' + + '7 ' M600'.20' <75DN' 84A6' <86' 97C498.0D' .7' .20' =796A"8.0' ' =' [' ;A.' .20' :0547D' 375' 246' 09.0549B' A:79' 4.' <86' D030550D*

0' <86' :05C4..0D' .7' <085'.20' ' '49'.20' 68C0' @085' 89D' A=4A6' 866ACOD' 4.' ' =' >* 1' 797A50D' <4.2' .20' :5406.277D' 89D' 8DC4..0D' 49.7' .20' 6098.0' .20@' 600C0D' D06.490D' 375' 8' "430' 73' B508.9066' 89D' :576:054.@' A.' .20' @7A9B05' 73' .20' .<7' D40D' 6ADD09"@' 8.' 85604""06' [[' 9 ' '>N' <209' 79' 246' <8@.7' :849' 97.' <4.20' 7A.' 4.6' ;049B' 6A6:3;.0D' .28.' 246' 6.0:EC7.205' 4?48' <27' "03.' 97' C0896' 27<' 37A"' 670?05' A9G 0C:"7@0D' .7' 8D?89=0' 205' 679' 4;054A6' 28D' 7==8G 64790D' 246' 6ADD09' 89D' A9.4C0"@' D08.2' 84A6' 609.' 49.7' 648' <2050' 20' :8660D' 246' @085' 73' =79G 6A"624:' ' HN' ,' ;5D4;0BA9'.7' 620<'.8"09.6' 375' ;7.2' =4?4" B7?059C09.' 89D' C4"4.84@' 09.05:5460' ;A.' 83.05' ;"A9B49B'.20' 85.2489' F49B' 2588.06' ' .7' .05C6' 73' :08=0' <4.2' .20' #7C896' 20' <86' .508=2057A6"@' <7A9D0D' 79' 246' 50.A59' 357C' 8A' 0I:0D4.479' 49.7' 5C0948' 89D' 38""49B' 49.7' 8' "49B0549B' 4""9066' 6A::760D' .7' "48?0' ;009' 8"67' 9A5.A50D' ;@' .20' 60=50.' 85.6' 73' 4?48' 20' D40D' 8.' 4C@58' 49' @=48' 8.' .20' 085"@' 8B0' 73' > ' 49' .20' @085' A' =' [' 9 ' ' N

9' B7"D' 89D' 64"?05' =7496' 73' ABA6.A6' .20' ;57.2056' 850' .@:4340D' .7B0.205';7.2' 79' 377.' 89D' 79' 27560;8=F' 89D' 6.@"0D' 406856' 6796' 73' ABA6.A6' 89D' + + '7 $ ' 9' 67C0' 60=79D';5866' " %' .20' 208D6' 73' .20' ;57.2056' 8::085' 79' .20' 7;?0560' 89D' .28.' 73' ABA6.A6' 79' .20' 50G ?0560' M 00' 09B58?49B6' 73' .2060' 49' 84""89.L6' ' ' 4' ::' ' ,N* 1 .205' '60=79D' ;5866' 0I24;4.' 79' .2045' 7;?0560' .20' 208D' 73' 84A6' 75' 73' A=4A6' 79"@' 89D' 79' .2045' 50?0560' .20' 208D' 73' ABA6.A6' 20' 8;7?0' =A.' :50609.6' 8' 6:0=4G C09' 73' .20' "86.' 98C0D' =7496* 1 00' =' ' ." .' # ' =* ' #' & ' 1 ' ' ' ' ! 1 246' "0B09D' 8::0856' 79' .20' 50G ?0560' 73' B7"D' 89D' 64"?05' 73' ABA6.A6' 8==7C:8G 940D';@'.20'.@:0' 73' 8' C4"4.85@' 34BA50' 79' 27560G ;8=F'=285B49B'<4.2' "89=0' 0"0?8.0D' ;0249D' 24C' 850' 8' "0B47985@' 08B"0' 89D' .<7' 0964B96' 246' =749' <86' 6.5A=F' <209' .20' 0C:0575' 8D7:.0D' 84A6' 89D' 246';57.205' A=4A6*1 00' 8;7?0*

#E & ' ' 754B498""@' 98C0D' 8"DA;8' 8' =4.@' 73' 46:8444' 8558=7909E' 646' 89D' .20' =8:4.8" 73' .20' D0.894' 97<' n858G B7\8' 49' 558B79' 64.A8.0' 79' .20' ;57' .' .20' ="760' 73' 246' <85' <4.2' .20' 89.8;54' ABA6.A6' 49?06.0D' 4.' <4.2' =7"7948" 54B2"6' 89D' :54?4"0B06' 375' ?0.0589' 67"D4056' 357C' .2500' "0B4796' 20' =7496' 73' .246' =7"79@' 850' ' 4C:0548"' 49' 6C8""' C4DD"0' 89D' "85B0' ;5866' ;08549B' 79' .2045' 5=E

6:0=.4?0'7;?05606':75.584.6'73' ABA6.A6' B54::8' 4?48' 84A6'89D' A=4A6' 6068506' 4;054A6'KA"48' 89D' 4;054A6' &0549894=A6' 4;054A6' 89D' &0=E C894=A6' 057' 89D' 5A6A6' 6=68506' B54::498' 609475' 89D' 8"4BA"8' .20' "0B09D6';049B' =' =' ' 89D' ' " $. & G`1 1 20' =7496' 28?49B' =' ' <4.249' 8' "8A50" =57<9' B4?0D';@' 84"489.' 89D' 83.05' 24C';@ "750\' .7' .246' #7C89' =7"79@' 49' :849' 89D';@ ="""054A' .7' 8068508' ABA6.8' 49' 8"06.490' ;0G "79B' .7' 33468508 89486* 1 00' ' ! ++ B C79B' 7.205'.@:06' .20' 37""7<49B' ="84C' 97.4=0' 375' .2045' 246.754=8" 49.0506.' 89D' 01.50C0' 5854.@*

1 1) / & ' % !' # ' 2500' 6.89D85D6';0.<009' .20' <75D6' o & ' ' ' ?4*' &' +*

! 1 ' ' ' ' ' # ' & # ' ' (' # ' 44?4#*1 7"7948' 334685E AE' BA6.8' 4;0547' "8?7' 5C30=.7' &05C8A4=4' A=47' KA?09.47' A:05=7' AAC?4546*1 9B58?0D' 49' 84"489.' ' '4' :' ,[*

246' "85B0';5866' 3456.' 0D4.0D' ;@' 0BA49' <86' D7A;."066' 6.5A=F';@' .20' .2500' "0B4796' 6.8.4790D' 49' .20' B8554679' .7<9' 73' 80685E ABA6.8' (209=0' .2060' ?0.0589'6' D054?0D' .2045' 54B2.' 73' =7498B0' 46' 8' SA06.479' A95067"?0D' ==75D49B' .7' 84"489.' T' .2060' C4"4.85@' 6.89D85D6' 8""AD0' .7' .20' 754B49' 73' .20' =7"79@' 20' .@:0' 73' .20' ="A".4?8.75' 89D' 246' 7109' 8.' :"7AB2' 89D' .28.' 73' .20' "0B47985@' 09G 64B96' 850' 506:0=.4?0"@' 6@C;7"6' 73' .20' =4?4" 89D' 73' .20' C4"4.85@' :75.479' 73' .20' =7"7946.6' 20' 98C06' 73' .20' "0B4796' 496=54;0D' 79' .20' 7;?0560' 49D4=8.0' .2760' <209=0' .20' ?0.0589'6' 609.' .7' 80685E ABA6.8' <050' D583.0D*"0' 20' 49.05:50.8.479' ;@' 84"489.' 89D' 8D7:.0D' 8"67' ;@ "750\' 73' .20' 8;;50?48.479' # * %' & * ' 86' # $ ' 4 ' ' M 5030=.' 73' 8' &05C89' 7275.N' 46' 6=7A.0D';@' =F 40" M4?" ['0." 60S*N' <27' =7964G D056'.28.'.20' 4;054A6' "8?A6'9 4C0D' 7A' .20' 7;G ?0560' 73' .246' =749' 46'50:50609.0D' .2050' 86' ! $ ' ' 4 3' 49' 8""A6479'.7' &0558894=A6' 80685' .20' 679' 73' 5A6A6*1 00' ! * 1 1 / & ' ! !' % ' 8AE' 508.0D' 208D' 73' .20' 0C:0575* 6 1 %" ' ' # ' #" #' & " 5406.' BA4D49B'.<7' 7109' @7F0D' .7' 8' :"7AB2" ^ 246' "85B0' 75866' 46' 09B58?0D' 49' F=5C89" ' ' $' F+ ' :" :4" ?444" 7", Q* ' ' ' ' ' ' 1 1) / &' " ' 4 2 '4 '72 <' '4 2 '4 '72' AB . ' 27"D49B' .20' 6459:A"AC' 6.89D6';0.<009' 84A6' 89D' A=4A6'246' 8D7:.0D'B589D6796' 8"" .2500' 850' ="7.20D' 49' .20' .7B8' 89D' 08=2' 6.89D6' 79' 8' =4::A6* 6 1 M 8C06' 73' DAAC?456N' " ' & ' 0I4""A58':"8=0D' 79' 8' =4::A6';0.<009'.<7' C4"4" .85@' 0964B96* ^ 246' 5850' "85B0';5866' 46' 09B58?0D' 49' 84""89.?6' ' ' B' :" > Q) 1 1) 1 54*' " *' ! !' 5& ' #' & ' " +" #" " 1 1 1444*' 4;054A6' <08549B' .20' .7B8' 46' 608.0D' 79' .20' =A5A"0' =2845' 27"D49B' 49' 246' 54B2.' 289D' 8' :8.058' 89D' 49' 246' "03.' .20' 286.8* 6 1 ' ' ' ' ' ' #*1' ' ?0I4""AC' 89D' .<7' C4"4.85@' 0964B96';0.<009' <24=2' <0' 508D' o & '! ' o & ' !' o & '6

#E & *

^ 9D08?7A56' 28?49B' :57?0D' 35A4."066' .7' :57G =A50' 8' =86.' 357C' 67C0' 8A.209.4=' 6:0=4C09' 73' .246' ?05@' 5850' 89D' 50C85F8;"@' 49.0506.49B' :57G DA=.' 73' .20' #7C8A7E 46:89489' =7498B0' .20' 6A; 7490D' =A.' 286' ;009' =7:40D' 357C' 8' :549.' 49' .20' = ' ' ' 09B58?0D' ;@' 85.7"7' <2760' D58<49B6' 73' 9AC46C8.4=' .@:06' 850' A6A8""@' 8==A58.0Q*

20' ?=I4""AC' 75' =8?8"5@' 6.89D85D' 89D' .20' .<7' 7.205' C4"4.85@' 0964B96' .@:4340D' 79' .20' 8;7?0' 50?0560' 50305' .7' .20' ?0.05896' 609.' 86' 8' 5049G 375=0C09.' .7' .20' =7"79@' 357C' .20' 7A5.2' 41.2' 89D' 09.2' 0B4796' <2760' 506:0=.4?0' D064B98G .4796' 6.89D' 79' .246' =749' 86' A9496.8F082"@' =79G 6:4=A7A6' 86' D7' .20' 98C06' 73' .20' .<7' DAAC?456' <27' =8A60D' 4.' .7' 20' C49.0D*

9' .20' 7;?0560' 73' .246' "85B0' ;5866' .20' #7C89' 8A.2754.406' 73' 4=685E ABA6.8' 50:50609.' .20' 0CG :0575' 608.0D' 89D' .20' 50=75D' 73' .20' HH5D' .54;4C4E' .489' :7<05' .08=206' A6' M68@6' 84""89.' 4" :" N' .28.' .20' :07:"0' 73' .246' =7"79@' 050=.0D' 6.8.A06' .7' 4;054A6' 79' .20' 7==86479' 73' 0 89A6' 28?49B';009' :A.' .7' D08.2" 20' 098.0' 4.60"3' 49D00D' 8==75DG 49B' .7' 479' 8664A6' 60.' .20' 018C:"0' 73' :A;"4=' 50 74=49B' <209' .28.' 0?09.' 7==A550D' 89D' .20' D8@' 73' .28.' 28D'!C4946.05L6' 010=A.479' <86' =0"0G ;58.0D' 86' 8' $ ' ' ;@' 8"" .20' C8B46.58.06' 89D' :79.4336' <4.2' A9:50=0D09.0D' 01A".8.479' .257AB27A.' 8"" :85.6' 73' .20' #7C89' <75"D* 1' C79B6.' .20' :89462' =7"79406' .?27' =79B58.AG "8.0D' 4;054A6' 89D' 58460D' 6.8.A06' .7' 246' 2797A5' 79' .246' 7==86479' 3=685E ABA6.8' <86' .20' 3750C76.*

20' 37""7<49B' 46' 897.205' :5773' 49' =79345C8.479' 73' .20' 8;7?0' C09.4790D' 38=./1 9' .20' 7;?0560' 73' 8' ?05@' 5850' "85B0' ;5866' D0D4=8.0D' ;@' .246' =7"79@' .7' 4;054A6' 8::085' .20' 98C0' 89D' .4."06' 73' .28.' 0C:0575' 8==7C:8940D' ;@' .20' 68C0' D8.0' 73' .20' .542A94.489' :7<05' MIII444*N' .20' .@:0' 46' 89' 0SA06.5489' 34BA50' 73' 4;054A6' :"8=0D' 79' 8' :"49.2" 20' 50?0560' .@:0' 46' 8' "0B47985@' 08B"0' 89D' .<7' 6.89D85D6' .7B0.205' <4.2' .20' =7"7948" 494.48"6' =" M 7"7948' 60685E ABA6.8N' 89D' .20' 68C0' 98C06' 73' " 8.7' 89D' " 0..48=A6' 86' DAAC?456" "40' 6.8.A0' 50"8.06' .7' .20' =79B58.A"8.75@' 2797A56' :84D' .7' .246' A9<740.2@' 0C:0575' <27' 90?05' .27AB2.' 73' 6A5509D0549B' 0 89A6' .7' 50.54;A.4?0' A6.4=0' A9.4"' 246' 7<9' :056798" 6830.@' <86' 09D89B050D' ;@' =79G .49A49B' .28.' 4938C7A6' C4946.05' 49' 246' 6057?4=0* 1' 9B58?0D' 49' :" a' 73' 84""89.' ' '

) *1 " #' ' &" " & *1 Y 8A508.0D' 208D' 73' 4;054A6*

6 1 =" " ' ;A"" ' <4.2' 493A"8.=D' 208D' 375' 68=5434=0* 1 ^ 0=' F05C89' ' ' $' 77 K ' :" ' :"8.0' ?444" 34B" Q" !

' " &"

[S ' '- 1 1 1 4*' " *' : 4? 5' & 4" " & " 8A =8.0D' 208D' 73' 4;054A6*

6 1 ' & '=" " 4BA50' 73' KA"48' 608.0D' 86' 40.@' ?04"0D' 89D' <08549B' .20' 6.7"8' 27"D49B' 8' :8.058' 89D' .20' 286.8* 1 85B0' ;5866' 5850" 9B58?0D' 49' F05C89' ' ' $' + ' ' [' :"8.0' ?444" 34B" O

064D06' .20' .@:06' 8;7?0' D06=54;0D' .20' =7496' 73' r685E ABA6.8' 0I24;4.' .20' <49B0D' "4B2.949B' "$ ' ½' 86' 49' ABA6.A6" "67' .20' 34BA506' 73' 057' 89D' 5A6A6' r68506' 6796' 73' &05C894=A6' 850' 50:50609.0D' 49' .20' .7B8' 608.0D' 7::764.0' 08=2' 7.205' 89D' 74949B' 289D6*

) # ' ' ' 8' C854.4C0' .7<9' M754B498""@' =8""0D' "7"N" A549B' .20' :0547D' 73' KA"4A6' r685L6' D4=.8.75624:' 4.' 37990D' :840.' 73' F49B' KA;816' D7C494796" 20' 4C:0548"" =7496' 6.5A=F' 49' .246' =4.@' 28?0' ;4"49BA8"" "0B09D6' BBM' 8.49' 89D' 354=89" ' =749' 49' .20' ') ' ! ' 46' 496=54;0D' 6' ' <4.2' .20' 208D' 73' KA;8" 9' .20' 50?0560' 46' 4 * ' * ' 666! ' M<24=2' 9AC058"6' D097.0' .20' @085' 73' .20' 504B9N' ' .20' .@:0' 46' 8' =8:54=759' <4.2' =759A=7:480' 89D' 5ADG D05* 1 00' ' #) ? ' 4" $' , ' 7" [* 1' 00' 8"67" :89204C' 4" :" [H* 1 9' 09AC058.49B' .20' =7"79406' 37A9D0D' ;@' "8AD4A6' 84""89.' M" :" , [N' 49="AD06' .20' 8A50.8948 9' m68508* 1' @' 67C0' <54.056' 89D' <4.2' 97' 6"4B2.' C086A50' 73' .7:7B58:24=8" :57;8;4"4.@' .20' C7D0C' "B4056' 46' =7964D050D' .7' 28?0' ;009' ;A4".' 79' .20' 64.0' 73' .246' #7C89' 60.."0C09." .2056' 8664B9' 4.' .7' .20' "7=8"4.@' 73' ' "@49B' .7' .20' <06.' 73' 2A.' 97.' 385' 357C' "B4056*

' ') 'M 2m94=4 rN' ' 375C05"@' 508' 97<' 5=6=0' 5=246' 4IF8* 1' 20' 4C:0548" =7496' 73' .246' =4.@' 850' 49' 4 ?' ;5866' 73' 9.7949A6' 4A6' 89D' " A50"4A6' 89D' 49' ' ;5866' 73' "8B8;8"A6' 89D' "0189D05' 0?05A6* 1 ^ .6' 058' .28.' 73' .20' 0"0A=4Dr' =7CG C09=49B' 49' .20' @085' >' 73' .20' 37A9D8.479' 73' #7C0' H,>';03750' .20' 2546.489' 058*Q 1 47990.' .2A6' D06=54;06' 790' 73' .20' ' =7496' 01.89.' 73' .246' =7"79@/1

') *1 '** ! 5 ' 08D'"8A508.0D* 6 1 " ' " 7' " * ' .0C:"0' 73' <24=2' .20' D7C0' 46' 6A:75.0D';@' .<7' 05C06" 0"7<' 6' .20' 28"3E"09B.2' 34BA50' 73' 8' 30C8"0' ?04"0D' .20' 208D' D577:49B' .7<85D6' .20' 627A"D05' 79' <24=2' 46' 8' =506=09.' 79' 790' 64D0' .20' A9' 79' .20' 7.205' .20' 779' 7' .20' 54B2.' 8' 6=0:.50*

F ' 1 ' =749' D0D4=8.0D' .7' .246' 0C:0575' 286' .20' 34BA50' 73' 6.85.0' 49' 8' .0C:"0*

' ' 75' # ' 75' 8D' # ' 67' =8""0D' 357C' .20' :86.758" D04.@' # ' ;049B' 8' :0=A"485' 7;0=.' 73' <75624:' ;@' .20' 4928G ;4.89.6' 73' .246' 2m444=489' =4.@" 20' .A.0"85@' B7D' 8;7?0' 98C0D' T' 46' 34BA50D' 79' C89@' 73' 4.6' =7496' M7;605?06' X 5" F05C89N' 73' <24=2' 6:0=4G C096' 0146.' 357C' .20' .4C0' 73' ABA6.A6' .7' .20' D8@6' 73' "8B8;8"A6" .' <86' =7C:5460D' 49' .20' .0.585="4@' 73' .A508' 89D' <86' 89=409."@' =8""0D' # '.' ;A.' 24"4:'28?49B' 09"85B0D' 89D' 4C:57?0D' 4.' B8?0' 4.' .20' 98C0' 73' m68508' 49' 2797A5' 73' .20' 0C:0575' / 89D' .7' D46.49BA462' 4.' 357C' 7.205

, > # ' * # ' # *

=4.406' 73' .20' 68C0' 98C0' 4.' <86' =8""0D' A8068508' 84=8.08' 2@' .20' "0..056' 7*' ' 'J* ' $ ' 24"4: :4' .27AB2' 79' .20' =7496' 73' ABA6.A6' <4.249' 8' 3490' 6:0=4C09' 73' .20' "8A50"' =57<9*U 1 Y 86' 49' .20' 6:0=4C09' 2050' B4?09' .20' =4.@' 46' 49E 00' =7 '!

T' 2060' :40=06' 73' ;5866' C790@' CA6.' 28?0' ;009' 6068508' 8C854.46' 8:0856' .7' 28?0' ;009' 50G 49' =45=44"8.479' 8.' .20' .4C0' 73' *' * ' ?464.' =7B9460D' 86' .20' C0.57:7"46' 73' .28.' D46.54=.' 73' .7' .28.' D46.54=.*' 246' =749' <86' 0557907A6"@' 86G @548E 8"606.4960' <24=2' 49="AD0D' .20' =4.406' 73' =54;0D' .7' 60685E 7C46.8' 49' :849' 2@' .20' 085"405' 6=8"79' &8\8' 89D' KA"48*' 20' 34BA50' 73' .20' 9AC46C8.4=' <54.0560 1 00' 8;5403';9.'49.0506.49B' 4C:0548"' 27560C89' 79' .246' =749' 8 AD06' .7' 67C0' 89D' 496.5A=.4?0' <75F' 09.4."0D' ' 0 60.' 7A. 1 :0528:6' 8B8496.' *' 546=A6' 49' @548' 75' ' $' ' &' ' ;@' K729' 79B0' C4"4.85@' 0I:0D4.479' 79' <24=2' 58 89' 0=4A6' 28D' F05C89' 0""7<' 89D' 0=50.85@' 73' .20' 7=40.@' 8B8496.' .20' &7.26*1 00' 84""89.L6' ' ' 44*' 73' 9.4SA85406' <27' 282' 7;"8B49B"@' 8""7<0D' .20' :*,a ' 49' <24=2' .20' .@:0' 46' 09B58?0D* 8;7?0' =A.' .7' ;0' A60D' 375' .246' D4=.47985@* ' 60=79D' ;5866' 73' 7"96489A6' M679' 89D' 6A=G * # ' F ' M75' 0D006.4960N ' =06675' 73' 50;79489A6' &8""A6N' 6.5A=F' 49' .246' M754B498""@' =8""0D' :7""7948' 89D' A5546' .58E' =7"79@' 0I24;4.6' 79' 4.6' 50?0560' .20' "0B09D' =7 *' .7946N' 8' C854.4C0' .7<9' 73' 8"06.490' 975.2E<06.' * * * #*' 6*' *"' ' # ' 73' .20' 89=409.' =4.@' 73' 8C8548' 49' .20' :"849' 73' ! ' ' ' + '# ' F3 '# 0 0B4DD7*1 ' 49B' 057D' 8ABC09.0D' 4.' 49.7' 8' % ' 89D' .20' .@:0' 73' 8' C8"0' 34BA50' <4.2' C8B9434=09.':75.' =8""49B' 4.' 6068508' 49' 2797A5' 73' 58D48.0D' 208D' 50=AC;09.' 79' .20' ;8=F' 73' 8' "479*' ABA6.A6' 80685*' .6' :50609.' 98C0' 46' E3 ' 20' 2AC89' 34BA50' 0"0?8.06' 4.6' 54B2.' 289D' 89D' 1 06:86489' 83.05' 6A;DA49B' .20' K0<6' C8D0' 4.' 8' 27"D6' .20' ' + ' 75' 8' "79B' <89D' 49V4.6' #7C89' =7"79@' 89D' B8?0' 4.' 246' 38C4"@' 98C0' 73' "O3.' 289D*1 M 57C' 8'=749' 49' 54.462' A60ACN* ! ' 46' 679' 89D' 6A==06675' 4.A6' =7930550D' =05.849' 4CCA94.406' 79' 4.6' .0554.75@' 89D' 209=0' .246' =7"79@' 49' C0C75@' 73' .20' ;09034.6' ;06.7<0D' B8?0' 4.60"3' 79' =7496' .20' 8:0""8.479' 73') 3.05<85D6' 4.' 866AC0D' .20' 0:4.20.' 73' ' 49' =7C:"4C09.' .7' 858=8""8' 89D' <86' =796 6.4.A.0D' 8' C0.57:7"46' ;@' "0I89D05' 0?0C6*' .6' .4."0' 73' # ' 600C6' M68@6' 84""89.' 4*' :*,H N' .7' 28?0' 754B498.0D' 357C' 4.6' ;049B' 49' .20' .4C0' 73' 06:86489' .20' =2403' =4.@' 73' 8"06.490*' 20' =7496' 73' 0068508' 8C854.46' 850' 9AC057A6' =79646.49B' 73' 4C:0548"' =7"7948"' 49' 6C8"' C4DD"0' 89D' "85B0' ;5866*' 2760' <4.2' 8.38' "0B09D6' ;0B49' <4.2' 58 89' 89D' 0I.09D' 49' 89' 8"C76.' A949.055A:.0DV' 6A==06647'9 D7<9'.7' &8""409A6*' 20@' ;085'375'.20' C76.' :85.' 375' "0B09D' 73' 50?0560' ' 1 # ' * ' 89D' *' # 8' 48' & ' # <*' 2050' 46' =*:*' *' &*' #' 73' 8D5489' 89D' =*' *' *' &*' *' # *' 73' 0?=5A6' "0I89D05* 9'8'3456.';5866'73' 58 89A6' 0=4A6' .20' =7"7G 948"' "0B09D' 508D6' " o'#*'#' & ' " ' *' *' *:*"9' '#' ! ' ' ' + '#' F3 '# %<4.2'.20' .@:0'73' .20' 0C:0575'<0854.9B'8'58D48.0D'=57<9' 79'27560;8=F'8.'6:00D' 27"D49B' '6:085' =7A=20D' 49' 246' 54B2.' 289D*' ' =749' 73' B508.' 5854.@*1 ' 050' <0'600' .20' =7"79@' D064B98.0D' ;@' 8""' .20' .4."06' 6A==0664?0"@' ;06.7<0D' 79' 4.' ;@' ?8547A6' 0C:05756'357C' .20' :0547D' 73' 4.6' 3456.' 06.8;"462G C09.' A9D05' 06:86489*' 9'.20' .4C0' 73' 0=4A6 9D05' .246' .@:0' .20' 50:50609.8.479' 73' :7 7' s5' 7" 600C6' 49.09D0D*' 20' F ' <86' .20' .A.0"85@' B7D' 73' 6068508' 89D' 46' 2050' 49.57DA=0D' :57G ;8;"@' 49' 3"8..05@' .7' @7A9B' 7"A6489A6' <2760' :75.584.' 79' .20' 7;?0560' 46' 8"67' 8D7590D' <4.2' 58@6' 86' 43' 20' 28D' ;009' 897.205' :7""7' 75' 7"' .7' .20' =7"7946.6' 73' .246' C0.57:7"4.89' =4.@*' 20' D04.@' 46' D0:4=.0D' "@49B' 79' .20' "479' 86' 8==75D49B' .7' 58.A6' M49' :26097CN*' ; ') ' ' ' ' ' ' 7"' 2085' 6' .20' ? '+ ' 8' 6:0=48"' 8..54;A.0' 73' :8B89' D4?494.@*1 84""89.' ' ' 44*' :*' >>>*' ! ^ 47990.' 86=54;06'.7' 50;79489A6'&8""A6 86'<0"*' 86'.7' 7"A6489A6' 8'64C4"85'50?0560' ;A.' C09.4796' .20' .@:0' A9D05' ;7.2' 0C:05756' 86' T' " " ' =' ' ' *V 1 20' A6."@E=0"0;58.0D' 509=2' 9AC46C8.46.' 28D' :50?47A6"@' D06=54;0D' 8' =749'73'.246'=7"79@' D0D4=8.0D'.7' 58 8SA6' 0=4A6

"0BB49B6* 1 09=0' A6794A6 ' 49' 246' : 70C ' 50305G 549B' .7' .246' =5A0"# <50.=2 ' 3 1

76.' 2A9=' =86.509646' 3 '=7B97C490' 00685' A==0664. ' 6=0?7 660?47.' 47B0947*

6' 0C : 0575 ' 27<0?05 ' 20' <86' 8"<8@6 =8""0D' 8496 ' 89D' 20' =7964D050D' 24C60"3' 496A".0D' ;@' .20' 98C0' 73' 8"4BA"8*

0' <86' .20' @7A9B06.' 67A' 73' &05C8A4=A6' .20' 90 : 20<' 73' 4 ;054A6 ' 8AD' 73' B54 : : 498 ' 89D' 49' .20' @085' 73' ' 7C0' [' 9 ' ' ,>N' 79' .20' D8@' ;03750' .20' =8"09D6' 73' 0 : .0C ; 05 ' 8.' 9.4AC ' 86' A0.794A6' 286' : 57?0D' 8.' B508.' "09B.2' M49' 8"4BA"8 ' =2# N# 9' ' 9 ' N# , N ' 20' <09.' 49.7' @548' <4.2' 246' 38.205 ' 8.' <2760' D08.2 ' <4.249' .<7' @0856' 83.05<85D6 ' 20' 50.A590D' .7' ' 7C0' <4.2' 246' C7.205 ' 89D' 79' 205' ;049B' ;894620D' 20' <86' .589630550D' .7' 246' B508.' B589DEC7.205' KA"48 ' 89D' <209' 620' D40D' .7' 246' B589DEC7.205' 9.7948* 1 ' 9' ' 9 ' H,N' 20' <86' 49?06.0D' <4.2' .20' 79G .434=8.0 ' 89D ' 49' =7960SA09=0' 73' .20' ?47"09.' D08.26' 73' 246' ;57.2056' 057' 89D' 5A6A6 ' 89D' 8"67' 73' 0 89A6 ' <2760' :"7.6' 20' 8"790' 28D' =79G .54?0D' .7' 06=8 : 0 ' ;049B' .209' .20' 866A50D' 6A=G =06675' .7' .20' 0C : 450 ' 20' <86' 97C498.0D' SA06.75' 49' ' 9 ' ' HHN 1 49?4.0D' ;@' 4;054A6' .7' 8E : 5C8 ' 89D' 79' .20' 68C0' D8@ 866AC49B' .20' 3 ' 20' "84D' 864D0' 246' ;085D* 1 209=0375<85D' 20' =79G .49A0D' .7' "4?0' <4.2' 4 ;054A6 ' 304B949B' 4B97589=0 ' 75' 49D4330509=0 ' 506 : 0=.49B' .20' CA5D05' 73' 246' 50G "8.4796 ' 86' .27AB2' 4.' =79=0590D' 24C' 97 . ' 89D' 67' 7 ; 60SA47A6"@' 7 ; 0@49B' .20' ; 0206.6' 73' .20' .@589. ' .28.' 4.' <86' 8' =7CC79' 0I : 5066479 ' .28.' T' .2050' 90?25' <86' 8' ; 0..05' 605?89.' 75' 8' <7560' C86.05*U' M A0.79 ' =2# , *N

9' a ' 9 ' ' H N ' 4 ;054A6' 28?49B' ;009' 8.G .8=F0D' <4.2' 60?050' 4""9066 ' 89D' 6=85=0"@' 50=7?05G 49B' 357C' 4.' 8"4BA"8 ' 8.' .20' 496.4B8.479' 73' 8G =57 ' .20' : 50.75489 : 5030=. ' : A.' 89' 09D' .7' 246' "430 ' 86' 4.' 46' 83345C0D ' ;@' 6C7.20549B' 24C' " 7 ' ' ' ++ 7' 479' 6.8.06' .28.' .246' 0?09.' .77F' :"8=0' 79' .20' .2' 73' .20' =8"09D6' 73' : 54"*

8?49B' 09.050D' ' 7C0 ' 79' .20' D08.2' 73' 4 ;0G 54A6 ' 20' =7C : 0 0D' .20' 098.0' .7' 749' 24C ' ;@' 8' F ' ' ; ' 49' D0 : 54?49B' 73' 246' 54B2.' .7' .20' 0C : 44?0 ' 4;054A6 ' .20' 679' 73' 5A6A6 ' A9*' <27C' .20' 0"D05' 4;054A6' 28D ' 49' 246' "86.' <4 ' 97C498.0D' 86' 246' =7E2045' 89D' =7""08BA0' 49' .20' 67?0504B9.@# 20' 3A9058"# =050C79406' 73' 4;0G 54A6' <050' : 05375C0D' <4.2' DA0' : 7C : ' ;@' 8"4BA"8 ' "A' .20' 04B2.2' 73' 246' 504B9' 20' <86' 8..8=F0D' <4.2' 60?050' 64=F9066# 9' 246' 50=7?05@' 20' 8D7 : .0D' 246' ;57.205' 4;054A6 ' B8?0' 24C' .20' .4."0' 73' # + ' - ' 89D' 83.05<85D6 ' : A.' 24C' .7' D08.2# M A0.79*N 1 9' .20' =8"09D6' 73' KA"@' 20' 09.050D' A : 79' .20' 7334=0' 73' ' ' F $$ ' 86' =7""08BA0' .7' 246' A9="0' "8AD4A6 ' 89DE83.05' .<7' C79.26' 5064B90D' 4.*

a,' 9 ' H N ' 20' =79=0D0D' .7' 770CA6' .26 F49BD7C' 73' .20' 58 ; 4896' 73' .A5608 ' .7' 7.@6 ' 5C0948' 4975 ' .7' 7"0C79 ' .20' 679' 73' 7"0E' C79 ' 246' 38.205LG' D7C4946796* 1 ' 0"8.4?0' .7' .2060' 0?09.6 ' 479' 9o ' "4I# B' HN' .2A6' 0I : 5066606' 24C60"3/ T' 9' 8' 6275.' .4C0' 20' 866AC0D' 67' CA=2' .20' 845' 73' 8' Jh_ N# ' .28.' 8 ' .2760' 2797A56 ' <24=2' ABA6.A6' 28D_8==0 : .0D' 79"@' <209' DA"@' 8554?0D' 8.' .20' 67G ?0504B9.@ ' 89D' 0?09' .209' <4.2' 2064.8.479' 89D' 86 .20@' <050' D0=500D' 357C' .4C0' .7' .4C0 ' 89D' C89@' 73' <24=2' 4;054A6' 3".7B0.205' D00 ; A0D ' <050' ;@' 8"4BA"8' B586 : 0D' 49' 790' D8@ ' <4.2' .20' 0I=0 : .479' 79"@' 73' .20' .4."0' # ' # ' <24=2 ' 27<0?05 ' <86' 97.' "79B' D030550D*U

a>' 9 ' Ha* 1 9' .20' =8"09D6' 73' K89A85@ ' 20' 09.050D' A : 79' 246' 60=79D' 796A"8.0 ' 89D' 50G 64B90D' .20' 7334=0' 49' .245.@' D8@6# M A0.79' =2# , *N 8?49B' 0I28A6.0D' .20' .5086A5@' ;@' 246' :573A60' 0I : 09D4.A50' 79' : A ; "4=' 6 : 0=.8="06' 89D' 7.205' 0IE' .58? 8A=06 ' 20' 09D08?7A50D' .7' 50 : 845' .20' D0G 34=409=@ ;@' .20' 6"8AB2.05' 73' .20' <08".2@' =4.4\096 ' 89D' .209' : 57=00D0D' .7' &8A"' .2050' .7' : 58=.4=0' .20' ' F0' 6@6.0C' 73' CA5D05' 89D' 6 : 7"48.479* 1 20' 98C0' 73' 4 ' D706' 97.' 8 : : 085' 79' .20' =7496' 73' .246' @085 ' 975' 0?05' 6A ; 60SA09."@*

aH' 9 ' ' N* 1 8"4BA"8 ' <4.27A.' 8' =7""08BA0 ' 09.050D' A : 79' 246' .245D' =796A"8.0 ' 8.' ABDA9AC' M @79N ' 49' &8A"' 89D' 5064B90D' 4.' 79' .20' 4D06' 73' K89A85@# M A0.79# =2# , N* 1 8?49B' 49?4.0D' 7?05' 357C' "54=8' .7"0C@' .20' 679' 73' KA ; 8 ' 20' : A.' 24C' .7' D08.2 ' 79' : 50.09=0' 73' .20' @7A9B' : 549=0L6' 76.09.8.47A6 ' ; 08549B# M 479' # "4I# >[N* 1 57=00D49B' .7' .20' 7=089 ' 86' 43' 8 ; 7A.' .7' 49?8D0' 54.849 ' 20' 75D050D' 246' 67"D4056' .7' B8.205' 620 ' E3462 ' 89D' 50.A590D' 86' 8' =79SA0575 ' "8D09' <4.2' .20' 6 : 74"6' 73' .20' 608# M A0.79# =2# N* 1 ' # 4.0""4A6 ' : 5030=.' 73' @4E48 ' .20' 68C0' @085 ' B8?0' 6A=2' 8' "06679' .7' 5.8 ; 89A6 ' .20' 056489 ' <27' <86' .2508.0949B' 89' 49?86479' 73' 5C0948 ' .28.' .20' "8..05' 8 ; 89D790D' 246' D064B9 ' 89D' : 84D' 246' 8D75G 8.4796' .7' .20' 6.8.A06' 73' ABA6.A6' 89D' 73' 8"4G BA"8# M 479' # =*N 1 9' a ' 9 ' ' ,N ' 20' ; 0B89' 246' 37A5.2' =796A"8.0 ' 79' .20' .2' 73' .20' 4D06' 73' K89A85@# 275."@' 83.05<85D6' M?4\# 79' .20' a.2' 73' .20' =8"09D6' 73' 0 ; 5A85@N ' 20' <86' 866866498.0D' ;@' .20' =796 : 458.756' 8664A6' 200508' 89D' 7590"4A6' 8 ; 49A6*

8"4BA"8L6' 8==066479' .7' .20' 0C : 450' <86' 284"0D' <4.2' 7@' ;@' .20' ' 7C89' : 07 : "0' ; A.' .2045' 68.46G 38=.479' <86' ; 860D' 79' 97' 67"4D' 37A9D8.479 ' ; 0G 49B' .20' 506A".' 58.205' 73' .2045' D00 : E577.0D' 8.G .8=2C09.' .7' 246' 38.205' &05C894=A6# 0' 600CG 49B"@ ' 49D0D0 ' 506 : 79D0D' .7' .20' 379D' <46206' 73' .20' 98.479 ' ;@' C89@' 8=.6' 73' : 40.@ ' A6.4=0 ' 8AD' C7D058.479# A.' 4.' .77' 6779' ; 0=8C0' 8 : : 8509.' .28.' .2060' ?45.A06' <050' 97.' 73' 98.A58"' 6 : .2 ' ; A.' 7<0D' .2045' 0I24 ; 4.479' .7' .20' : 7"4=@' 73' 4 ; 0G 54A6 ' <27' <4620D' .257AB2' .2045' 493"A09=0' .7' =79G 67"4D8.0' 246' 7<9' : 7<05' 49' .20' 0C : 450# 75' .2050' <86' 97' 8=.' 73' =5A0".@ ' 37 @' C0899066 ' 75' 4938C@ ' <24=2' .246' C796.05' 89D' C8DC89' D4D' 97.' D0 ; B2.' 49' : 05 : 0.58.49B# 0' =8A60D' 246' 27560 ' <27C' 20' =8""0D' .7' ; 0' 49.57G DA=0D' 8.' D49905' .4C0 ' 60..49B' ; 03750' 24C' B4"D0D' =759 ' 89D' D549F49B' 246' 208".2' 49' B7"D09' =A : 6 ' 89D' 20' <7A"D' 28?0' =508.0D' 24C' =796A"' 28D' 20' "4?0D' "79B' 097AB2# 0' 4C4.8.0D' 8""# .20' B7D6' 269D' B7DD06606' 49' .20' 8D758.479' <24=2' 20' =8A60D' 246' .7' ; 0' : 84D' .7' 24C ' ; 007C49B' ; @' .A596' KA : 4.05 ' 8==2A6 ' 05=A"06# KAA7 ' 4898 ' 89D' 09A6# 0' =796.5A=.0D' 8' ; 54DB0' 73' ?0660"6' 7490D' .7B0G .205' 357C' A.0"4' .7' 8459 ' 89D' =576649B' 7?05' <4.2' 246' .577 : 6' 49?8D0D' A.07"4 ' 89D' .209' 50E' =57660D' 4.' 49' 8' F49D' 73' .54AC : 2 ' D0"4B2.49B' 49' 208549B' 24C60"3' =8""0D' "0I89D05' .20' &508.# @' 8 ; 6A5D' 89D' 0I.58?8B89.' A9D05.8F49B6' 73' .246

F49D ' ;03750 . ; 0 @085 <86 3A""@ 0 I : 450D ' 20 28D 6SA89D050D .20 0975C7A6 6AC6 73 C790@ "03. ' ; @ 4 ; 054A6 M 4=406 8= 60 : .406 C4""406 96 * 1 00 F % 0 ; 7.2 ="84C0D 89D 50=04?0D D4?490 <75G 624 : 89D <86 .20 B508.06. ' ; "86 : 20C05 .28. ' 0?05 "4?0D @0. ' 20 SA84"0D 49 .20 =79?4=.479 73 8 D04.@ 89D =50 : . ' A9D05 246 ; 0D <2090?05 20 2085D .2A9D05 (4.2 68?8B0 492AC894.@ 20 8..09D0D 0 I 0=A.4796 49 : 05679 89D C8D0 : 8509.6 ; 027"D .20 C05=4"066 .75C09.6 493"4=.0D 79 .2045 A928 : : @ =24"D509 0 =79.58=.0D 89D D4667"?0D C85548B06 <4.2 0S98 =8 : 54=0 89D D4627906.@ 064D06 246 49=06.A7A6 A9479 <4.2 5A64""8 ; 0 604\0D 89D 50 : AD48.0D .2500 <4?06 89D <86 8. "86. ' : 05C8909."@ 8..8=20D .7 6067948 8 C7.205 73 =24"D509 ; @ 897.205 C89 89D <4.27A. @7A.2 75 ; 08A.@ ; A. ' 73 D0 : 58?4.@ =75506 : 79D49B <4.2 246 7<9 1 20 7.205 496.89=06 73 246 49=50D4 ; "0 =5A0".@ 89D "A6. ' C8@ ; 0 37A9D 49 A0.794A6 24"7 89D 479 A=2 4938.A8.4796 850 0?4D09. .7F096 97. ' 79"@ 73 8 ; 5A.8 98.A50 ; A. ' 8"67 73 8 D46.0C : 050D 49.0""0=./ 975 46 4. ' : 7664 ; "0 .7 09.05G .849 7.205 .289 6A : 50C0 =79.0C : . ' 375 .20 ; 860 605?4"4.@ 73 .20 #7C896 <27 =7A"D 73305 67"0C9 8D758.479 .7 8 <50.=2 7 : 09"@ BA". @ 73 .20 C76. ' D0.06.8 ; "0 89D A998.A 8 =54C06 89D <2760 8D8B0 <86 1 00 =F20" ?4 : : * > , [' .7 > , 1 00 8"67 8 : . C@.2L6 50G C85F6 79 .20 =2858=.05 73 8"4BA"8* 20 B7"D 89D 64"?05 =7496 73 8"4BA"8 850 73 =7964D058 ; "0 5854.@ * 1 446. ' ; 5866 8"67 850 5850 60=79D ; 5866 =7CC79 * 1 9 .2060 20 R46 6.8"0D % 1 %? : * : * : 167C0.4C06 ! . ' = ?6N 0 866AC0D .20 98C0 86 .20 B589D679 73 5A6A6 ' <27 <86 67 =8""0D 375 4 ; 46 ?4=.7540 67?05 .20 &05C896* 20 =7496 73 8"4BA"8 C49.0D 8. ' #7C0 D7 97. ' 0I24 ; 4. ' + 86 8 6A598C0 246 y ."0 46 C0. ' <4.2 79 =7"7948" =7496 A. ' .20 79"@ =749 73 #7C89 D40 6.5A=F A9D05 .246 0C : 0575 ; 08549B . ; 0 <75D ! # ' 46 8 D09854A6 ' 49 <24=2 4. ' 46 7490D . 7 7.205 .4. "06 * 1 00 47990.L6 97.0 4 , > 89D F05C89L6 7 ; 605?8.479 79 .28. ' 97.0 4 : * , [, * T (209 8"4BA"8 <86 D06.57@0D ' .20 D86.85D"@ 6098.756 <27 28D 67 50=09."@ 68=5434=0D .7 24C 75D050D 8"" 246 6.8.A06 .7 ; 0 D0C7"4620D 246 8=.6 8 ; 57B8.0D 246 C790@ .7 ; 0 C0".0D D7<9 89D 246 496=54 : .479 6 D038=0D 49 75D05 .28. ' 246 C0C75@ C4B2. ' ; 0 0I.49BA4620D 375 0?05 0. .246 609.09=0 286 97. ' : 50?09.0D 8 =7964D058 ; "0 9AC ; 05 73 246 C0D8"6 357C ' 508=249B A6 .27AB2 =7960SA09."@ 1 0I=0 : . ' .2760 73 60=79D ; 5866 1 .20@ 850 73 =7964D058 ; "0 5854.@ <209 49 B77D : 50605?8.479*U 8 : .849 C@.2 : * 20 37""7<49B 850 8C79B6. ' .20 5850 89D 50G C85F8 ; "0 6 : 0=4C096 73 .246 0C : 0575L6 =7498B0 / 1 < 0 / & !##! " $ 1 08D 73 B54 : : 498 ^ 00 =A. ' 49 : * > *Q 1 & ! " 4 2 =* 1 08D 73 &05C894=A6* 1 ' # 4444 4=.75@ 27"D49B .<7 : 8"C ; 5893=206* 1 <4.249 89 78F09 B85"89D 4 * 1 1) 1 #' &* 8D 73 5A6A6* 1 M 8"A0D ; @ 47990.' 8. ' , 35*N

1) 1 =* ' &* & # * =* 8A5=8.0D 208D 73 8"4BA"8*EEEE 6 *1 4??6 & ' # $ # * ! ' #8D48.0D 208D 73 ABA6.A6*

8 ! ' * 1 20 .2500 646.056 73 8"4BA"8 M600 09B58?49B : * >aN* 1 2500 34BA506 68=5434=49B ; 03750 8 .0C : "0* 00 ! ' & ' #! ' 40.@ 608.0D* 1 20 =7CC7906. ' 50?0560 46 .28. ' <24=2 50 : 50609.6 .20 0C : 0575 28589BA49B 246 BA85D6 ' ; A. ' 4. ' 46 8 3490 89D 49.0506.49B =749* 00 70? * * 09B58?0D 49 : * 357C 8 6 : 0=4C09 49 .20 =7C : 4"05L6 : 766066479 .20 : 75G .584. ' 79 .20 7 ; ?0560 73 <24=2 <4"" ; 0 37A9D 09B58?0D 8. ' .20 208D 73 .20 3750B749B 97.4=0 73 .D4BA"8* " * 1 2060 850 =7CC79 ; A. ' 73 B77D <75FC8962 : * ! * / =* " ! ! & # * 1 8 : ' 73 "4 ; 05.@ * 1 00 * =* =* ^ 20 =7A9.0989=0 73 8"4BA"8 86 50 : 50609.0D 49 : 5734"0 79 246 =7496 7 3 % 67C0<28. 5060C ; "06 .28. ' 73 246 B589DE38.205 ; A. ' 46 "066 97 ; "0 89D 286 8 C8"4BG 989. ' 0I : 5066479* 0 <86 8. ' B508. ' : 8496 .7 =205462 .246 27554D 49D0I 73 246 =5A0" D46 : 764.479*Q & * 1 8""47 : 0 6.89D6 86 43 649B49B .7 F '@50 <24=2 506.6 79 8 "4.. "0 : 4""85 79 .20 ; 860 73 <24=2 620 : "8=06 205 "03. ' 377.* 1 89494 49 246 6A : : "0C09. ' .7 89DA54 ' B4?06 .246 86 79 8 =749 73 57 ; A6 49 .245D ; 5866* 1 =F20* 98C49B 246 8A.2754.@ =8 8 4. ' 0 M7C9497 649BA"8546N ' 7 ; 605?49B . 28. ' 8".27AB2 . ; 0 B57A : ' 73 A606 46 37A9D 79 ; 7496 73 .20 7CE : 7948 B096 @0. ' 97. ' 790 73 .20C ' 8997A9=06 8"G "47 : 0L6 98C0* 246 .@ : 0 73 .20 : 4= A60 C8@ 28?0 ; 009 60"0=.0D ' .28. ' 620 C4B2. ' .7 ; 0 67A9D49B .20 ' :584606 DA0 .7 .20 ' ?45.A0 73 57 ; 96 1 M?44* [*N # B096* 1 246 <86 8 : "0 ; 0489 38C4"@ ' ; A. ' 790 73 B508. ' 89.4SA4.@ .58=49B 4.6 754B49 .7 8" : A6 .20 67A 73 AC8* 1 C79B6. .20 6A598C06 73 .246 38C4"@ 7==A5549B 79 =7496 46 (.20 754B49 73 <24=2 46 6.8.0D ; @ 8"04A6 866A6 49 .20 37""7<49B "4906 73 246 85C09 8D 46790C / 1 "858SA0 4879946 .A"054. ' =7B97C498 : 54C6* C4D8 =8 76 + 275D06 D0I.534* ^T 9D .20 4 96.547A6 6A598C0 73 6 20 3456. D054?0D 357C .20 38=. ' 73 246) 375 ? 0 .20 C746. ' ; 85"0@ 49 246 27C@ : 8"C*UQ 50SA09."@ .2050 46 8DD0D .7 4. ' .20 0 : 4.20. ! 8 : : "40D .7 467 375 246 35AB8"4.@ 86 4=057 .06.4340 M : 57 79.047 =2 , H*N 8"054A6 8 I 4CA6 M4?* =2 HN 50=75D6 8 64B98" 496.89=0 73 8 ; 6.4909=0 49 8" : A584A6 467 97.205 =7BG 97C09 <86 *) 1 =F20"' ?* , [* 750" M49 246 6 6 B4?06 97 "066 .289 , ['?8540.406 49 .20 '=7496 73 .246 38C4"@ ; A. ' .2760 ?8540.406 079646. ' =2403"@ 73 .20 D4330509. C49.C85F6 P 20 B7"D 0 46 A94SA0* 1

4"?05 ' 67C0' 5850 ' ; A.' 375' .20' C76.' : 85.' =7CG C79* 1 20' ;5866' 850' ;@' .20' C790@056' 73' * 9.79@' 89D' ABA6.A6 ' 75' =79646.' 73' .20' ' 89D' 4.6' D4?464796' / 67C0' 5850 ' 7.2056' =7CC79* 1 20' 37""7<49B ' 8C79B' 7.2056 ' ="84C' 97.4=0' 89D' 50G C85F' / 1

I *1 #8D48.0D' 208D' 73' :7""7 ' <4.2' =A5"6' 289B49B' ;0249D' ' ;03750' 4. ' 79' 7.205' 6 : 0=4C096 ' 850' D4330509.' 0C ;"0C6 ' "0..056 ' 75' 9AC058"6*

F 1 ' 467' : 9?74* 1 9' 7.205' E=7496 1 =* 467' * :* 74* ' 27560C89' B749B' 8.' 8' 58 : 4D' : 8=0 ' 79' 67C0' =7496 ' 20' 27"D6' 8' : 8"C' ; 589=2 ' 79' 7.2056' 8' .54D09. ' 79' 7.2056' 8' .75=2 ' 75' 8' 6C8"* 6<75D' 75' 8' <24 : * 0908.2' 46' 350SA09."@' .20' <75D' * 1 4""?05*

20' 9AC ; 05' 73' .2060' D09854' 46' 49=50D4 ; "0 ' 89D' .20' B508.05' : 85.' 73' .20C' D43305' 357C' 08=2' 7.205 ' 49' 67C0' 854.2C0.4=8"' C85F ' 75' 67C0' 496A"8.0D' 6@C ; 7" ' 8' ?8548.479' <24=2' ; 7.2' 8?05=8C : ' 89D' 8 "89" 28?0' D0?7.0D' CA=2' "0859498 ' 49DA6.5@ ' 89D' 49B09A4.@' .7' 8==7A9.' 375 ' ; A.' <24=2' .20' "066' 4C8B498.4?0' 89D' C750' =8A.47A6' =F20'* 8..54 ; A.06' 64C : "@' .7' .20' =8 : 54=0' 73' .20' C790@05* 20' 8A.275' 73' * ' M?* , [N' 8""7<6' .28.' .2060' D09854' <050' 6.5A=F' ; @' * 467' 5AB4' 89D' 246' 679' 8496 ' ; A.' 8.' <28.' : 0547D ' 20' D0="4906' 89@' 8.G .0C : .' .7' D0=4D0* 1 57306675' 8?0D794 ' 27<0?05 ' 89D' #4==47 ' <27' =4.06' 246' 8A.2754.@' M ; 7.2' <54.G 49B' 83.05' =F20"L6' .4C0N ' B4?0' =7B09.' 508G 6796 ' 854649B' 7A.' 3' 67C0' 50=09.' C790.8"* 0 ' 8.' 4067"0 ' 49' .8"@ 1 375' .20' 7 : 49479' <24=2' .20@' : 5797A9=0 ' .28.' .20' 8A.275' 73' .20' 8 ; 7?0 ' 89D' 7.205' =7496 73' 8' 64C4"85' F49' ' <86' # ' ! ' 679' 73' ' 89D' 8' C89' 73' : 50.75489' 584D=' 49' ' 9$ ' " ' N* 246' 7 : 49479 ' 8DD6' #4=047 ' T 50=04?06' =7557 ; 758.479' 357C' 8' 60C4E99=48"* ' 6.5A=F' ; @' .246' C49.E' C86.05' 89D' .20' D8.0' 73' <2402' B706' ; 8=F' .7' 67C0' @085' 89.05475' .7' * 9D00D ' 75B2064' 24C60"3' 503056' =7496 ' <4.2' 496A"8.0D' 6@C ; 7"6' 89D' "0..056 ' .7' 8 ; 7A.' .20' C4DD"0' 73' .20' 60?09.2' =09G .A5@' 73' #7C0*U 1 00' ' ! ' ' 6 1 8" : AC48' B096*

08?49B' 27<0?05' .20' SA06.479' 73' D8.06 ' 79' <24=2' .20' "08590D' D43305' .2050' 46' 790' 79' <24=2' .2045' 7 : 494796' =749=4D0 ' 98C0"@' ' .28.' ; 7.2' 64D06' 73' .20' 8 ; 7?0' =749' ; 085' 5030509=0' .7' .20' ' + :' T' D7A ; ."066' M68@6' =F20"N' ; 0=8A60' .2760' B8C06' <050' D0=500D' .7' ; 0' : 05 : 0.A8.0D' 8.' .20' 496.89=0' 73' 8" : AC4A6 ' .20' 50.75 ' * A* 7* [H' 9$ ' " ' □ N' <205086' .20@' 28D' 90?05' ; 03750' ; 009' 689=.4790D' ; @' SF ' ' :' 79' <24=2' 6A ; G 0=.' 600' 4?@' M5 I ?* , > ' 89D' 4 I ?4* >H N' 89D' 4B24A6' M 99* 44* : * , >N ' ; A.' 06 : 0=48""@' 8=57 ; 4A6 ' <27' D06=54 ; 06' 8.' "09B.2' .20' 754B49' 73' .2060' B8C06* M 8.* , ' =2* , *N 1 28.' 27560E58=06' 375C0D' 8' : 85.' 73' .2045' =0"0 ; 58.479' 286' ; 009' <0"" B8.2050D' ; @' : 89204C' 357C' 89=409.' <54.056' M44* : * , H , N* 1

2050' 46' .20' 68C0' 6A ; 0=.' 79' =7496' 73' .20' 85=48' 38C4"@' ' ; A.' 4.' 46' 3A5.205' 86=05.8490D' .28.' 8' =05G .849' 85=4A6 ' 38C7A6' 375' 246' 6F4"" 49' D4?498.479 ' <27C' n798586' 286' 0557907A6"@' =8"" 0D' 7 : 876' 496.08D' 73' + ' <86' .20' 49D4?4DA8* <27' 6ABG B06.0D' .7' 8" : AC4A6' 89D' .20' 098.0' .20' 06.8G ; "462C09.' 73' .2060' B8C06 ' 86' C8@' ;0' "08590D' 357C' .20' 8 ; 7?0' C09.4790D' : 8668B06' 73' 4?@' 89D' 8=57 ; 496* (0' 28?0' 49' .2060' =7496' 49DA ; 4.8 ; "0' .@ : 06' 73' .20' ' + ' <24=2' 9AC46G C8.46.6' 850' .77' CA=2' 49="490D' 350SA09."@' .7' D46G =7?05' 79' .20' =7496' 73' 38C4"406 ' <4.2' 6"4B2.' B57A9D6' 375' .20' 6A : : 764.479* 8 ?0SG =8C : ' 89D' 7.2056 ' 850' =7964D050D' ; @' =F20"* .7' ; 0' 49=7550=.' 49' =8""49B' .20' 27560C89' 79' .2060' D09854' .20' ':' 375' 4.' <86' A6A8"* 375' .20' ' .7' 28?0' ' ' & ' 275606' A9D05' .2045' C898B0G C09. ' 86' 46' 620<9' A9D05' .20' =7498B0' 73' .20' 85=48' B096* 1 =0 * ' ' ?7"* ?* : * , [' 0.' 60S* * * 850' 208D' .7 ' .20' 54B2.* 6 * 1 #* 49' C797B58C* 4=.75@' 6.89D49B' ; 03750' 89' 8".85 ' 79' .20' 7.205' 64D0' 8' D8BB05* 1 ! &7"D' 1 00' #!

^T' 246' A94SA0' =749' <86' : A5=2860D' 8.' .20' 68"0' 73' 75D' 75.79L6' =8 ; 490.' 375' .20' 54.462' AG 60AC ' 8.' 04B2.' BA49086*U 1 F05C89 ' + ' ' 4* H *

' 47' 0 ' 8A508.0D' 89D' ; 085D0D' 208D' 73' 8.A59 ' ; 0249D' 4.' 46' 89' 49D09.0D' 508 : 49B' 277F* 6 * 1 * * + * 6* =* <7' .7B8.0D' C09 ' 64..49B' 79' 8' 6A ; 60""4AC ' ; 0.<009' =7C' 0856* 9' 5030509=0' .7' : * ["73' .246' D4=.47985@' 4.' <4 ' ; 0' 6009' .28. ' 8==75D49B' .7' =F20" ' 4.' 46' .20' 208D' 73' 8.A59' <24=2' 46' 50 : 50609.0D' 79' .246' D09854A6 ' ; 0=8A60' .28.' D04.@' : 5064D0D' 7?05' 8B54' ! =A".A50* A.' 8==75D49B' .7' 57306675' 8?0D794' MSA7.0D' ; @' #4==47 ' : * >N ' .20' 208D' 73' .28.' D04.@' 46' 503058 ; "0' .7' .20' 73 =0' 73' .20' SA06.756' <27' : 5064D0D' 7?05' .20' : A ; "4=' .5086A5@' ' <24=2' <86' : "8=0D' A9D05' .20' .A.0"85@' =850' 73' 8.A59 ' 8AD' 4 y ' .20' 4CC0D48.0' ?4=494.@' 73' 246' .0C : "0* 9' .20' 50?056 0' 850' .20' .<7' SA06.756 ' <27' : 57=A50D' =759' 49' 8 ; A9D89=0' 375' .20' #7C89' : 07 : "0 ' 98C0"@' ' 467' 89D' =0 : 47 ' 89D' <27' 79' .28.' 8==7A9.' <050' 2797A50D' ; @' .20' 098.0' <4.2' .246' 50 : 50609.8.479 ' 86' .20' "0B09D' 30"4=4.7A6"@' 01 : "8496* 9' 7 : : 7846' .479' .7' 8?05=8C : ' 89D' 84""89. ' <27' ; 0"40?0D' .246' 5850' 64"?05' =749' .7' 28?0' ; 009' 6.5A=F' 49' .20' [.2' @085' 73' #7C0' 9$ ' " ' > N ' #4==47' 7496' <4.2' 8?0D79* 49' : 5797A9=49B' 4.6' C49.8B0' .7' 28?0' .8F09' : "8=0' 49' [' 9$ ' " ' , N ' 37A9D49B' .246' 7 : 49479' 97.' 79"@' 79' =05.849' C790.8"* : 0=AG "4854.406' ' ; A.' 8"67' 79' .20' 38=.' .28.' 49' .28.' @085' 8' B508.' D085.2' 73' =759' : 50?84"0D' 8.' #7C0' 49' =7960SA09=0' 73' .20' =79.49A89=0' 73' .20' * ' F ' 49' 4="@* 1 00' ' # '

AC8' 7C :4"498 ' <2760' 98C0' ' 46' 496=54 ; 0D' 79' .20' D48D04 :' .28.' 09=45="06' 246' 3750208D*

6" i 1 & ' # ' ' 37<' 73' 8' 624 : *

246' 5850' D09854A6' <86' 6.5A=F' ;@' 904A6' 8"E' :A594A6' 467' 679' 73' A=4A6' 89D' 90 :20<' 73' A=4A6 ' 49' 246' :57?49=48"' :57ESA06.75624 :' 73' ,' 9$ ' " ' HN ' 37""7<49B' 7C :04A6' 8B9A6' .209' :57E=796A"' <4.2' 3A"" :7<056' .7' A9D05.8F0' 246' 5097<90D' 0I :0D4.479' 8B8496.' .20' :458.06 ' <27' 49G 306.0D' .20' <27"0' 0D4.05589089' 608 ' 89D' <27C' 20' 09.450"@' D06.57@0D'' .' <86' .246' .28.' 7 ; .8490D' 375' 7C :04A6' .20' .4."0' 73' 496=54 ; 0D' 79' .20 50?056O' 73' .246' =749 ' .20' 624 :lG' :57<' 49D4=8.49B' .20' B589D' 3"00.' :"8=0D' 8.' .20' D46 :768"' 73' .20' :57E=796A"' A.' .20' C49.EC86.05 ' <46249B' 8"67' .7' 8""ADO' .7' .20' 89.4SA4.@' 73' 246' 38C4"@ ' 286' 6.5A=F' .7' .20' 54B2.' 73' 246' 7<9' 98C0' 73' ' .20' 208D' 73' F49B' AC8 ' 357C' <27C' 246' 38C4"@' D054?0D' .2045' 754B49* 1 #4==47 ' :' H*

6 *1 ' ' ' ' ' *1 '

20' :50.75489' B8""0@' <4.27A.' 684"* 1 9' .20' 7 ; G ?0560' 850' .20' 208D' 73' 85F' 9.79@' AB8.0D' <4.2' 8' 30C8"0' : 75.584. ' 89D ' .20' "0B09D' ' ' ! #' 2 ' 4 ' 2 ' 2 ' 2 ' 2 ' 1 ' (4

A=4A6' 4 ; A"A6 ' .7' <2760' C49.8B0' ; 0"79B' .246' 89D' 897.205' 584l0' C4DD"0' ' ; 5866 ' =7490D' 49' .20' 086.' <86' .20' 679' 73' ' 8" : AC4A6' 4 ; 44"76' M=7""08BA0' 73' KA"4A6' 30685' 49' .20' =796A"8.0' 73' 4N[' ' =' [aN ' 89D' 73' .20' =0"0 ; 58.0D' 75=48 ' D8AB2.05' 73' 8.7' .4=09646 ' <27' 06 : 7A60D' 85=A6' 5A.A6' 49' 205' 60=79D' C85548B0' 6' .20' 679E49E"8<' 73' .28.' =2403' =796 : 458.75' 8B8496.' 40685 ' 20' 8"67' <86' :576=54 ; 0D' ; @' .20' .54AC ?456 ' 20' 37""7<0D' 246' 38.205E49E"8<' 49.7' 8=0D7948' 89D' 49.7' 648 ' DA549B' .20' <85' "0?40D' 8B8496.' .20C ' 89D' =7CG C89D0D' .20' ?89BA85D' 73' .2045' 85C@' 79' .20' D8@' 73' 24"4 : : 4' 20' =796 : 458.756' ; 049 ' D0308.0D' ' 4 ; A"A6' 6A5509D050D' .7' 9.79@' <27' 86' <0' 60=' 79' .246' : 40=0' 73' C790@' 8 : : 749.0D' 24C' : 50G 30=.' 73' .20' 3"00.' 9# * % ' " o A ' "40' 46' 79' 89G 7.205' =749' 73' .20' 68C0' C49.8B0' =8""0D' 580.75' 064B98.A6' 9# * ' !& A 1 9' , ' 9$ ' =' H N ' 20' B8?0' 49' 246' 8D20647 9 .7' =.8?489 ' 83.05' .20' D08.2' 73' .20' "86.' 73' .20' 794 : 0@6' 20' C790@' .209 ' 8 : : 05.84949B' .7' 4 ; A"A6 ' =8997.' ; 0' ; 0@79D' .246' 0 : 7=28 ' ; 0=8A60' 20' 8..8490D' 83.05<85D6' .7' .20' : 50.75624 : ' 89D ' 49' >,' 9$ ' " ' HHN ' .7' .20' : 57E' =796A"624 :' 73' @548 ' 86' 6A==06675' .7' 4498.4A6' "8A=A6*

#0?* 1 ' ' ' # &4' (4.249' 8' =57<9' 73' "8A50" 46' 8' : 8.058 ' ="760' .7' <24=2' 46' 8' 68=54G 34=48" F9430' M.20' 289D"0' 79"@' 73' <24=2' 46' 620<9' 49' .20' 8 ; 7?0' =A.N* 1 20' 7 ; ?0560' 73' .246' 5850' D09854A6' : 50609.6' 8' .05C498" 6.8 "9=' ; 0.<009' 8' B85"89D' 89D' 8' + ' M.20' 6C8""05' 68=5434G =48" ?860N*

2050' 46' 897.205' 0SA8""@' 5850' D09854A6' < .2' .20' 68C0' 50?0560' 49' .@ : 0' 89D' "0B09D ' ; A.' <24=2' 79' .20' 7 ; ?0560' 0I24 ; 4.6' 8' A?094"0' ; A6. ' 28?49B 8' D48D0C0D' 208D' <4.2' <49B6' 6A557A9D0D' ; @' =8 : 0DA9=A"8 ' =57<9 ' 89D' 6.85*

246' 85=A6' 59B4 ' 679' 73' "85=A6 ' CA6.' 28?0' ; 009' : 50.75' 49' .20' .245D' D4=.8.75624 :' 73' KA"4A6' 8/685 ' a' 9$ ' " ' [N ' 89D' .20503750' 790' 73' .20' C790@056' 67C0' : 50=0D49B' @085*

(4.2' 506 : 0=.' .7' .20' .05C498" 34BA50' 89D' .20' <49B0D' 208D ' 8?0D794' 46' 49DA=0D ' 357C' ."4045' 506 : 0=.4?0' 8..54 ; A.06 ' .7' 50B85D' ; 7.2' .20' 790' 89D' .20' 7.205' 86' 4C8B06' 73' 05=A5@' 20' =75798' ?4..8.8' 600C6' 68=05D7.8" ' 89D' .20' 68=5434=48" ?860 ' 0I24 ; 4.0D' 79' ; 7.2' 7 ; ?05606 ' 8 : : 8509."@' ; 0"79B' .7' 05=A5@ ' 50B85D0D' ; @' .20' #7C896' 86' 496.4G .A.75' 73' 50"4B47A6' 54.06' 89D' =050C79406' 9D' 86' AC8' <86' .20' : 549=4 : 8" 49.57DA=05' 73' 50"4B479' 49.7' #7C0 ' 86' 4.' <050' "4F0' 897.205' =5=A5@ ' 67' 85=A6' 467 ' <27 ' <4.2' .20' 506.' 73' .20' 8"E' : AC44 ' CA6.' 28?0' ; 009' <79.' .7' ; 786.' 73' 28?49B' .246' : 8=434=' F49B' 8C79B6.' 246' 89=06.756 ' C8@' 28?0' 84C0D' 8.' 6' 62850' S3 "4F0' B"74O@' 89D' .7' 50G =75D' .20' : 58460' 73' AC8' 24C60"3" T' @' .246' 49.05 : 50.8.479' 73' C490' M8DD6' 8?0D794N ' 4.' 46' 97.' D064B90D' .7' 0I="AD0' .28.' 73' 564A96 ' <27' 6006' 49' .20' 34BA50' 49' SA06.479' 8' 50 : 50609.8.479' 73' .20' B7D' 3' .7' <27C' AC8' <86' .20' 3456.' .7' B4?0' .0C : "06' 89D' 68=5434=06" 7' 05=A5@' .20' .05C498" 6.7906' <050' D0D4=8.0D ' 89D' .7' 24C' <86' 8"67' 8..54 ; A.0D' .20' 3456.' 49?09.479' 73' "89DEC85F6 ' 89D' .20' ; 7A9D8540G' 73' 340"D6*U 1 0=' #4==47' 79' .20' 8" : A5948' B096 ' :' H*

*1 00' # ! " ! ' ! " !

1 790' 73' .20' C76.' 4C : 75.89. ' 89D' C76.' 89=409.' #7C89' .7<96 ' 75' 6.8.4796 ' 49' 54.849 ' <4.249' .20' : 50609.' "4C4.6' 73' .28.' .0554.7548" D4?46479' 97<' =8""0D' 660I*1 ' .7"0C@ ' ; @' 8' =753A : .' .5896 : 764.479' 73' "0.G .056 ' D097C498.06' 4.' ' ' 9' .20' .490585@' 73' 9.7949A6 ' 4.' =6' 97.0D' D7<9' 86' ' 89D' " o $ ' A.' ; 7.2' ; @' 8=4.A6' M 998"*N' 89D' ; @' "49@' 9o ' 44*' 60=.*' N ' 4.' 46' C750' =7550=."@' <54..09' " o .' 1 1 8CD09' M600' &7AB2L6' 0D4.479 ' 44*' , H>N ' : 5797A9=06' 4.' .7' 28?0' ; 009' 64.A8.0D ' <2050' 97<' 6.89D6' .20' .7?C' 73' :' 7 ; 605?G 49B ' ' ; ' T' .28.' .20' B508.06.' : 85.' 73' .20' 98C0' 46' 6.4""' 50C8494 9B*U' 246' 46' .20' C76.' P : "8A64 ; "0' 8C79B' .20' 5086796' <24=2' 20' 86G 64B96' 49' 6A : : 75.' 73' 246' ?05@' : 764.4?0' 7 : 49479' 79' .246' : 749. ' 89D' 375' 0I : 506649B' 246' 00<79D05 U' .28.' 7.2056' 627A"D ' T' 79' .20' 8A.2754.@' 73' 0E' "89D U' 600F' 4.' 8.' 7"=206.05" 3 ' 27<0?05 ' .27' ?09058 ; "0' T' 7A54=0' 73' 89.4SA4.@U' M86' : 09605' A6."@' .05C6' 24C\ ' =7A"D' 50?464.' .20' 6=0906' 73' 246' = ; 757B58 : 24=8" 506085="406 ' 20' <7A"D' 349D' 49' .20' ="0?05' 89D' 49.0""4B09.' T' 46.75@U' ; @' 5" 27C86' 57C<0"" ' 89' 8==ACA"8.479' 73' 89.4SA85489' 38=.6 ' 89D' 73' 85BAC09.8.4?0' D0DA=.4796 ' <0"" " =8"=AG "8.0D' .7' 620<' .28. ' .2760' <27' 28?0' A9D05.8F09' .7' 4D09.43@' .20' 64.0' 73' 89=409.' 8498"7DA9AC' <4.2' .28.' 73' C7D0C' 7"=206.05 ' 850' 97.' 6A=2' T ; "49D' 7 ; 605?056 U' 86' 20 ' <24"6.' <54.49B' 246' 4CG C75.8" T' 54.89948 U' D00C0D' .20C' .7' ; 0*

8CD09L6' 97.479' 506 : 0=.49B' 8"D79' 286 ' 49G D00D' ; 009' "79B' 8 ; 89D790D" 20' ' 8""' : 749.' .7' 7"=206.05" .@C7"7B@' 286' <04B2.' 49' .20' 85BAC09.' 79"@' <209' ' 50C8496' 6A : E

: w8' ' "86."@ ' 4.' <86 =8""0D' .20' 8 : 4.7"490 C7A9. ' 345CA' 8' .58D4.479' .28.' .20' '73' 790' "A6' 28D' ; 009' D46=75050D' .2050' 49' D4BB49B' .20' 37A9D8.4796' 375' .20' .0C : "0' 72KA : 4.05 ' .7' <27C' .20' 7C896 ' 49' =7960SA09=0 ' B850' .20' 6A598C0' 73' 8 : 4.7E "49A6# .E<86 49' .246' .0C : "0' 73' .20' =8 : 4.7" .28.' 67"0C9' ?7<6 <050' C8D0 ' .28.' .20' =4.45096' 58.4G 340D' .20' 8=.6' 73' B7?059C09. ' 89D' .77F' .20' 78.26' 73'34D0"4.@ ' 8"67' <2050' .2t' C8B46.58.06 ' 89D' .2760' <27' 09 7@0D' .20'2797A56' 73' .20' .54AC : 2 ' <09.'. 7' .289F' .20' B7D6' 375' .20' ?4=.75406' .20@' 28D' B8490D ' 89D' .7' 73305 A : ' .2045' :58@056' 375' .20' : 576 : 054.@' 73' .20' =7A9.5@* 1 4.46=A6 ' ' 6

EEEEE6A598C0' 73' .20' 0. "48 B096* 1 9' 8' D09854A6' 73' .28.' 38C4"@' .246' <75D' 375C6' .20' 7 ; ?056 0' "0B09D ' 8=07C : 8940D' ; @' .20' 208D' 73' KA : 4.05 ' <4.2' .24=F' ; A62@' 2845' 89D' ; 085D# 20' 50?056 0' "0B09D' 46' # !00! ' 89D' .20' .@ : 0' 0I24 ; 4.6' 8' .0C : "0 ' <4.2' $ ^ ' 73' 64 I' =7"AC96 ' 89D' 7598C09.0D' : 0D4C09.* 1 =.4""4A6' 8 : 4.7"4AA6 ' 8' 35409D' 73' ABA6.A6 ' 6.5A=F ' 49' 246' =8 : 8=4.@ 73'C790.8# .54AC ?45 '. <7' D098544 '73' <24=2' .20' 8 ; 7?0' <86' 790' ' 89D' <24=2 ' 8C4D6.' CA=2' A9=05.849.@' 86' .7' D8.06 ' 605?06' 8.' "086.' .7' =79G 90=.' 8' =.4""4A6' 49' 67C0' 675.' 73' 8667=48.479' <4.2' .20' .0C : "0' 73' KA : 4.05' 8 : 4.7"49A6* 1 00' 0.4""48' B096* 1 00' 8"67' # ! $ ' 89' 0 I . 0964?0' =7A9.5@' 49' 648' 4975 ' ; 75D0549B' 975.2<85D' 79' .20' 79.A6' A I 49A6' M "8=F' 08N ' 086.<85D' 79' 5C0948 ' 67A.2<85D' 79' 3A9.' 8A5A6 ' <24=2' D4?4D0D' 4.' 357C' 4"4=48 ' 89D' <06.<85D' 79' &8"8.48' 89D' 8CE : 2 48# .6' C7D059' 98C0' 46' ' 4.' <86' 38C7A6 ' 89D' 46' 6. " 97.0D ' 375' 275606 ' CA"06 ' 89D' 6"8?06# 20' 89=409.' 6.8.0' 73' 8 : : 8D7=48' 46' ?05@' 4C : 0530=."@' F97<9# .' 28D' 4.6' F49B6' D7<9' .7' 67' "8.0' 8' : 0547D' 86' .20' 504B9' 73' 4 ; 054A6# 9D' 73' .2760' F49B6 ' =7496' 850' 6.4"" 0 I . 89.# &05C894E' =A6' <685 ' 83.05' 28?49B' ?89SA4620D' .20' F49B' 73' 5C0948 ' C8D0' 8' #7C89' : 57?4A00' 73' 8 : E : 8D7=48*

' # * 1 9' .20' 50?0560' 73' 8' 8D5489 ' 49' "85B0' ; 5866 ' .246' : 57?49=0' 46' .2A6' : 056794340D/ 1 ' @7A9B' C8"0' 34BA50 ' <08549B' 8' .A550.0D' =57<9 ' 6.89D6 ' <4.2' 6275.' .A94=' .4B2."@' n' >

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B45D0D# '"479L6' 6F49' 46' .257<9' 7?05' 246' 627A"D056 ' 89D' .40D' 49' 8' F97.' ; @' .20' D8<6 ' 7?05' .20' ; 5086.# 9' 246' "03.' 289D' 20' 27"D6' 8' ?0 I 4""AC ' 49' .20' 54B2. ' 8' C7A9.89B ' 75' DA6.05' 73' 57=F6 ' 8""A64?0' .7' 7A9.' 5B r A6 ' <24=2' 46' .20' =7CC79' 6@C ; 7# 73' 8 : : 8D7=48# 9' .20' 7 ; ?0560 ' ! , ' ? 7 # =76# # : # : # <4.2' ; 850' 208D' 73' .20' 0CG : 0575* 1 2050' 46' 8' 60=79D' ; 5866 ' <4.2' 8' 64C4"85' 50?0560*

8D5489 ' 8 ; 7A.' aH' 9 ' ', N ' : 57=00D49B' 79' 246' 7A590@' .257AB2' : 57E=796A"85' 648 ' 09G .050D' 8 : : 8D7=48' 89D ' 86' : 85.489' 50"8.06 ' T' 50G =04?0D' 357C' .20' 4928 ; 4.89.6' 8=.6' 73' 6A ; C466479' 89D' 605?4=0 ' <24=2' <7A"D' 6A ; 60SA09."@' ; 0' 8DG ?89.8B07A6' .7' 246' C4"4.85@' 7 : 058.4796*U' 20' 68C0' <54.05' 8DD6 ' .28.' .20' 0C : 0575' 28D' 2050' 89' 0@0' .7' .20' 85.2489' D7C494796 ' 89D' .7' .20' C849G .0989=0' 73' 8C4=8 ; "0' 50"8.4796' <4.2' .20' 904B2G ; 7A549B' 67?0504B96*

20' ; ; t' &50 : : 7 ' 49' 246' ?8"A8 ; "0' <75F ' : A ; G "4620D' 8.' 8546 ' , > ' 09.4."0D' T' = ' ' ' 3 ' ' I , + ' ; N =# 7 ; G 605?06 ' .28.' 49' .20' : 8A=4.@' 73' D7=AC09.6' 6A.34E =40A."@' : 50=460' 7A' =05.849' 38=.6 ' 4.' 600C6' 50SA4G 64.0' .7' : "8=0' .20' : 0547D' 73' 8D5489L6' ?464.' .7' 8 : : 8D7=48 ' 83.05' .28.' 73' 246' @5489' .58?0"6* 1 ' T' ' M68@6' .20' "08590D' ?4=85EB09058" 73' 0 0@N ' .28.' 46' .7"D' A6' : 764.4?0"@' ;@' : 85.489 ' 46' .28.' 8D5489' ?464.0D' .20' : 57?49=0' 49' SA06.479 ' 89D' .77F' .20507A.' 6"8?06' 375' .20' 605?4=0' 73' .20' 85C406' / 1 049D0' c' 8 : : 8D7=4 ; A6' 605?4.48' =8"6E .546' : 573A.A58' 6A6=0 : 4.* 1 8 : : 8D7=48' M.20' ; ; t' 8DD6' 49' 8' 97.0N ' 3A594620D' #7C0' <4.2' 9AC057A6' 6"8?06 ' 5097<90D' t75' .2045' "73.@' 6.8.A50 ' .2045' ?4B7A5 ' 89D' .2045' 6=89.49066' 73' 49.0 4B09=0# 9D' 20' 503056 ' 375' 246' 8A.2754.406 ' .7' .20' : 46."4' 6 73' 758=0 ' .20' 8.4506' 73' 0564A6 ' .20' : 4B58C_' 73' 85.48" ' 8AD' .7' .20' 758.479' # ' * ' F h ' 73' 4=057# T' 6' .7' .20' 6"8?06' 8..8=20D' .7' .20' #7C89' "0B4796 ' 350SA09.' C09.479' 46' C8D0' 73' .20C' 8C79B' .20' 7"D' <54.056 ' 86' 8AC8460' 620<6' 49' 8' =7CC09.85@' 79' .246' : 8668B0' 73' : 85G .489*U' : # , a*

2050' 46' 8"67' 8' 3456.' ; 5866' 73' 9.7949A6' 4A6' ' 7A' .20' 50?0560' 73' <24=2' 46' .20' "0B09D' 4 ## D "! ' =76# # 20' : 056794340D' : 57?49=0' 6.89D6' <4.2' ' | ' 8.' 205' 377.' ' 8' 350SA09.' .@ : 0' 79' .20' 9AC057A6' =7496' 73' r68508 ' .20' C0.57G : 7"46' 73' 8 : : 8D7=48* 1 00' 5# ' 49BL6' # ' # I 4?*

* 1 00' 6 ' 73' 8G D5489*

* 1 00' , ' 73' 8G D5489*

* 1 00' &78.*

EEE 8' 38 ; A"7A6' 894C8" ' 73 <24=2' .20' 34BA50' 46' .28.' 73' 8' B78.' 49' .20' 3750' : 85. ' .05C498.49B' 49' .20' .8 ' 73' 8' 3462# ==75DG 49B' .7' @B49A6' 9o ' 44# ' % .246' 8 : 54E' =759A6' 46' 49' 508"4.@' 89# 75' 20' 68@6 ' .20' B7D6' 79' 8==7A9.' 73' .20' .05575' <4.2' <24=2' .20' B489.' P @ : 279' 28D' 496 : 450D' .20C ' 28?49B' =289BD0' .20CG 60"?06' 49.7' 4D" 675.6' 73' 894C8"6# 89' <86' 97.' 790' 73' .20' "86.' .7' 8D7 : .' .20' 0 I : 0D409. ' 89D ' .257<E' 49B' 24C60"3' 49.7' 8' 54?05 ' 866AC0D' .20' 2@ ; 54D7A6' 375C' 8 ; 7?0' D06=54 ; 0D# 75' .246' 49B0947A6' =79G .54?89=0' KA : 4.05' 0957""0D' 24C' 8C79B' .20' 6.856*

A W # *

.' 46' 375' .4""6' 508679' .28.' 58.A6' M49' ! ' =8""6' 24C' 7 1 00' 4.46=A6' 89D' 4""49* 246' .@ : 0' 73' 8 : 54=759' ?05@' 350SA09."@' 7==A56' 79' =7496' 73' & ' ; 7.2' 8.49' 89D' &500F* 20' 508679' 8664B90D' 2@' A0.794A6' M=2# ,N' 375'4.6' 8 : : 08589=0' 49' .20' C49.' 73' .246' 0C : 0575'46' .28. 207E' B0906' .20' C8.20C8.4=489' 73' : 7""7948' <209' 49G 375C0D' ;@' ABA6.A6' .209' 8' @7A.2' 73' .20' ' 73' 246' 98.4?4.@' "08 : 0D' 375G <85D' 89D' : 84D' 24C' 8D758.479# 9D' 20' 8DD6' T' ABA6.A6' 6779' ; 0B89' .7' : "8=0' 6A=2' 50"489=0' 79' 8.0' .28.' 20' : A; "4620D' 246' 27576=7 : 0' 89D' =8A60D' 8' 64"?05' =749' .7' ; 0' 6.5A=F' C85F0D' <4.2' .20' =796.0""8.479' 8 : 54=759' A9D05' <24=2' 20' <86' ; 759*U 1 =2"0B0" 8DDA=06' 7.205' .06.4C79406' 0?09' 357C' .20' : 70.6' .7' .20' 38=.' .28.' ABA6.A6' <86' ; 759' A9D05' 8 : 54=759' " ' ' ' 7 +' 4# ,a N' 89D' 50 : 08.6' .20' 6SA8 ; ; "06' 73' .20' "08590D' 79' .246' : 5773' 73' =.8?489' .0685L6' 6A : 05G 6.4.4796' 75' : 50.09D0D' ; 0"403' 49' .20' : 50D4=.479' 73' 86.57"7B056' .28.' 20' <86' ; 759' .7' 8..849' .20' 0CG : 450' 73' .20' <75"D* 1 =F20"' ?4# , a* 9' .2060' D098544' <0# 600' 350SA09."@' 8DD0D' .7' .20' 34BA50' 73' 8 : 54=759' .20' =759A=7 : 48X' 89D' .20' 5ADD05' 73' 8' ?0660"' ' <24=2' 8=.89.4A6' " ' 8 ' 444# =2# >aN' 0I : "8496' ; @ 68@49B 1 T' .20@' 50 : 50609.' 205' M 75.A90N' <4.2' .20' 2759' 73' 8 ; A9G D89=0' 89D' 8' 624 : L6' 20"C' 86' .27AB2' 620' ; 7.2' =7930550D' <08".2' 89D' 28D' .20' BA4D89=0' 73' 2AC89' 8338456*U 1 20' B"7 ; 0' ' 86' .20' 6@C ; 7" 73' .20' <75"D' ; 0B496' 8 ; 7A.' .20' @085' 73' #7C0' H' 9 '7' , , N' .7' C8F0' 4.6' 8 : : 08589=0' 79' #7G C89' =7496' 86' 46' 620<9' ;@' 8' D09854A6' 73' 9BA6E' .A6' <4.2' "0B09D' # + # ; 0908.2' .20' 34BA50' 73' 8 : 54=759* 1 00' .20' <75D' 4) ' + '46' 8"67' 6009' 79' =7496' 73' 06 : 86489' 4.B6' 89D' 7C4.489' 89D' 79' 67C0' 73' 8D5489' 89D' 9.7949A6' 496# '60=79D' ; 5866' 73' 7C4E' .489' ; 0856' .246' .@ : 0' <4.2' 8' =7CA=7 : 460' 496=54 ; 0D' ' # + +* 9- ' ' + ' 6A : : 75.49B' 8' =4?4=' =57<9' 8' B"7 ; 0' A9D05908.2' .20C' 8 : : 085' 79' 8' "85B0' ; 5866' 73' ABA6.A6' 89D' 8"67' 79' 790' 73' 4 ; 054A6# ' 64"?05' =749' 73' 06 : 86489' 357C' <24=2' .20' 6A ; 7490D' =A.' 46' .8F09' "4F0<460' : 50609.6' .20' .@ : 0' 73' ' ' + ' 6A : : 75.49B' 8' 6240"D' 49' <24=2' 850' .20' "0..056' # =# " F ' ' - ' 9D05' .20' 6240"D' 46' 8' B"7 ; 0*

2050' 46' 8' 64C4"85' 50?0560' 79' 8D0985496' 73' 4.A6# 246' .@ : 0' 46' =7964D05DD' .7' D097.0' .28.' .20' 30"4=4.@' 73' .20' #7C89' 0C : 450' A9D05' .2060' .<7' : 549=06' 38.205' 89D' 679' <86' 0SA8# .7' .28.' <24=2' <86' 09 7@0D' 49' .20' ABA6.89' 8B0* 1 00 *

' + ' 8 : : 0856' 79' 8' .245D' ; 5866' 73' &8"E' "409A6* 1 00' .20' "0B09D' # ' " ' & ' + ' 86' .20' 6@C ; 7" 73' 0"4=4.86' ; 7590' 79' .20' 6.89D85D' 73' 8' #7C89' "0B479' 8 : 0QR0856' 79' 8' ; 4 79' =749' 73' &8""409A6' <4.2' .20' "0B09D' o & ' ' 7 ' 1 ' : # # | *' M 0B47' 54C8' D A.54I' t : .4C8' 48' t : .4C8' 4D0"46N* 1 =F2=" ' ' ' + ' =8 : .4?0' 75' : 5467905' 73' <85* 1 ' 20' 7C896' <050' 8==A6.7C0D' .7' : "8=0' .2045' C4"4.85@' : 54679056' 9085' .20' 6.89D85D6# 20@' =A.' 733' .20' 2845' 73' .20' F49B6' 89D' 73' .20' : 549=4 : 8"# 7334=056' 89D' 609.' .20C' .7' #7C0' .7' B58=0' .2045' .54AC : 26* .' <86' 8"67' .20' =A6.7C' 73' .20' #7C896' .7' "78D' .20' ?89SA4620D' <4.2' 30..056' 89D' =7C : 0# .20C' 49' .28.' 6.8.0' .7' : 50=0D0' .20' .54AC : 28"# =85' 73' .20' =79SA0575# .' <86' .2A6' .28.' .20' 38C7A6' n097 ; 48' %A009' 73' 8"C@58' 2797A50D' .20' .54AC : 2' 73' A50"489# 3' D08.2' : 50?09.0D' =8 : G .A50D' : 549=06' 89D' .2045' 38C4"406' 357C' ; 049B' : 50G 609.' 8.' .246' .7' .20C' C76.' =C0""@' 2AC4"48.49B' =050C79@' .2045' 4C8B06' <050' B09058""@' =85540D' ; 03750' .20' .54AC : 205# ABA6.A6' =8A60D' .246' .7' ; 0' DA90' 49' .20' =860' 73' "07 : 8.58' <27' 28D' F4""0D' 20560"3' 49' 75D05' .7' 06=8 4=' 67' 4B97C4947A6' 89' 0I : 76A50* 1 .8.4A6' " ' 444# ?# >N' .2A6' 8""AD06' .7' .20' 38=. 1 =.486' A6794B6' 39B4.' "07 : 8.58' =8.0986* T "07 : 8.58' 3"0D' .20' =28496' 73' .8"@' 8.' =.4AC*U ' + ' 34BA506' 73' <4.2' .2045' 289D6' .40D' ; 0249D' .2045' ; 8=F6' 8 : : 085' 79' =7496' 73' .20') C4"48' KA"48' 0CC48' 89D' A" : 4=48' 38C4"406# 9D' 49' "4F0' C89905' 79' =7496' 73' C76.' 73' .20' 0C : 05756' 357C' ABA6.A6' .7' 796.89.490' A9475# 00' 375' 0I8C : "06' $ o ! * ! ' ! ' & . P *1 ' _1 ' & # *1 * ' + ' ; 7A9D' 49' =28496' 4.89D49B' 75' : 576G .58.0' 8.' .20' 300.' 73' D04.406' "49F0D' .7' .20' =28547.' <200"6' 73' 0C : 05756' .57D' A : 79' ; @ 4=.75406' 75' 608.0D' ; 0908.2' C4"4.85@' 0964B96' 89D' .57 : 2406' 850' 8"67' .7' ; 0' 6009' 79' 4C : 0548"# =7496' .257AB27A.' 8"G C76.' .20' <27"0' 605406* 1 00' o ! ' .' = :# H> 1 54AC : 28"# 50?05606' 73' AC054E' 8996' 89D' # 09.6 1 % * ' * $ ' % * ' ! $ ' 73' 0?0586' =* ' + ' 75' ' + ' 8.' .20' 300.' 73' .20' 0CG : 0575' <27' 46' 79' 377.' 75' 79' 27560 ; 8=F ' 850' 0IG 24 ; 4.0D' 79' =7496' 357C' 06 : 86489' 89D' 4.A6' .7' 796.89.490' .20' &508.' 89D' 246' 38C4"@* 1 00' ' * 1 & # ' # 73' # A50E' "4A6* 1 ?4# ?8' + # ' # # ' 73' KA"4G 8986' * ' + ' 64..49B' A9D05' 8' .57 : 2@' 75' ; 0908.2' 8' : 8"C' .500' 49' 89' 8..4.AD0' 73' B5403' 89D' D0G 6 : 79D09=@' 86' 79' .2760' =7496' 73' 06 : 86489' 89D' 4.A6' <24=2' =7CC0C758.0' .20' 7?05.257<' 73' K0C68"0C' 89D' .20' =79SA06.' 73' KAD608 1 8"67' +0 ' 49' 8' <00 : 49B' : 76.A50' 75' 64..49B' 79' 8' 208 : ' 73' 85C6' 86' 49' 7C4.489* 1 00' =8 : .4?06' 8.' .20' 377.' 73' 89' 4C : 0548"# 06.58D0' 79' 8' C0D8""479' 73' #$ $ # ' C : 0575' <86' .20' 0"D06.' 079' 73' 0 : .4C4A6' 0?0C6# 46' C7.205' <86' K4D48' 7C98' 0557907A6"@' 6.8.0D' ; @' 67C0' <54.056' .7' 28?0' ; 009' 246' 6.0 : EC7.205# 20' 6A598C0' 73'

858=8""8 ' ;@' <24=2' 20' 46' =7CC7 "@' D097C498.0D' ;@' 246.754896 ' D706' 97.' 8 : :085' 79' 89@' =7496' 75' 7.205' :A;"4=' C79AC09.6#' .' <86' 49' 38=.' 79"@' 8' 94=F98C0' M"4F0' .28.' 73' ' ' B4?09' .7' 8496

60685' M60=' :#, N ' 89D' D054?0D' 357C' 8' F49D' 73' &8A"462' ?06.C09. ' <24=2' 20 ' .20' 6 : 74"0D' =24"D' 73' 246' C7.205 ' 28D' 24C60"3' ;57AB2.' 49.7' 3862479# 0' <86' ;759' 8.' ABDA9AC ' 49' &8A"# M @79N ' <24"6.' 246' 38.205' <86' B7?05975' 73' .28.' :57?49=0 ' 49' .20' @085' A#'=# a ,' 9 ' ', N ' 79' .20' .2' 75' .2' 73' :54"# .' 246' ;45.2' .20' 98C0' 73' 86E' 6489A6' <86' B4?09' 24C ' D054?0D ' 8==75D49B' .7' 4=.75 ' 357C' 246' C8.0598"# B589D38.205# 20' C4"D9066' 73' D46 : 764.479' 89D' "4?0"@' .0C : 058C09. ' <24=2' 20' D46 : "8@0D' 49' 085"@' @7A.2 ' 89D' <24=2' 509D050D' 24C' .20' 38?7A54.0' 8"4F0' 73' 246' : 8509.6' 89D' 73' .20' :07 : "0 ' 850' C09.4790D' ;@' : 85.489' 49' .05C6' 73' 24B2' =7CC09D8.479 ' 89D' 73305' 8' 6.54F49B' =79.586.' .7' .20' =5A0".@' <24=2' D46B58=0D' 246' C750' 8D?89=0D' @0856 ' 89D' 509D050D' 24C' .20' 6=7A5B0' 73' .20' <75"D# A549B' .20' 3456.' @0856' 73' 246' 38.205L6' 504B9 ' 20' 50C8490D' 49' .20' : 764.479' 73' 8' : 54?8.0' =4.4\09# A.' <209 ' 49' a a' 9 ' ' ,a N ' .28.' 0C : 0575' "03.' 067 : 7.8C48' .7' =79DA=.' 7 : 058.4796' 8B8496.0' ";49A6 ' 20' 6.7 : : 0D' 79' 246' <8@' 8.' 4C498=4AC' M49' : : 05' 60648 ' 97<' 05E' ?48' 89D' A"B8548N ' 89D' .2050' =508.49B' 858=8""8' 8' ' B8?0' 24C' .20' 98C06' 73' ' ' 49' .20' :"8=0' 73' .28.' 73' 866489A6# 0' <86' 49' .246' @085 ' 79' =7496' 6.@"0D' " $' 89D' ' 4?? .6" 9' .20' 37""7<49B' @085' 9 ' ', a N' 20' <86' 0"0=.0D' C0C ; 05' 73' .20' : 79E' .4 =8# =7""0B0 ' 89D' .20' .4."0' # !# 6' ; 0B496' 79' 246' =7496# 9' .20' 68C0' @085# ";4976' ; 049B' 7?05.257<9 ' 20' <86' 6.@"0D' ! ' ! # $.' 2' M 00' .20' <75D6N* 1 9' a[,' 9 ' ', a N' 28?49B' =7C : "0.0D' 246' .2' @085 ' 20' <86' D0="850D' & ' ;@' 246' 38.205' 89D' .20' 85C @ ' 89D' 28D' .20') '# ' =7930550D' A : 79' 24C*

a[>' 9 '7 ' , aaN# 858=8""8' <86' .246' @085' <4.2' 246' 38.205' 49' .20' 86.# 20' 37""7<49B' @085' 20' <86' : 50609.' 8.' .20' 85.2489' =8C : 84B9' <4.2' 0?05A6# 20' .4."06' 73' # $ ' 6 ' ; 0B49' 8.' .246' D8.0' .7' 8 : : 085' 79' 246' =7496*

a[' 9 '7 ' > , N# #0.9C49B' <4.2' 246' 38.205' .7' 9.47=2 ' 20' 866AC0D' .20' .7B8' ?45 46' 89D' <86' 97C498.0D' =796A"' 375' .20' @085' 096A49B# ==75D6' 49B"@' 49' > > ' 20' : 57=00D0D' =796A"' 49' @548 ' 0?0C6' 24C60"3' ;049B' 246' =7 08B90# 0' 8==7C6 : 8940D' 246' 38.205' 49.7' B@ : . ' 89D' .209=0' 506 .A590D' <4.2' 24C' .7' #7C0 ' <2050' 20' C85540D' "89.4 8* 1 9' .20' 68C0' @085' .20' .4."0' 4?6' ; 0G B496' .7' 8 : : 085' 79' 7 ; ?05606# !

a[' 9 ' ' > HN* 1 20' .4."06' 73' # $ ' 6 ' 97<' =0860' 79' 246' =7496# 75' .20' 7==A5509=06' 73' .246' 89D' .20' 37A5' =7960=A.4?0' @0856 ' 49="ADG 49B' .20' =0"0 ; 58.479' 73' .20' 0=A"85' &8C06 ' a[' 9 ' ' > N ' 600' ; 47B58 : 24=8"# 97.4=0' 89D' =7498B0' 73' 0?05A6*

,' 9 ' ' > N# 858=8""8 ' 83.05' 28?49B' .246' @085' =0"0 ; 58.0D' 246' . = ' 60.' 7A.' <4.2' 246' 38.205' 375' .20' =8C : 84B9' 49' 54.849 ' <2050' 20' <86' 8"67' : 50609.' DA549B' .20' .<7' 37""7<49B' @0856' 73' .20' <85L6' =79.49A89=0*

a ' 9 ' 7 ' > , , N* 1 9' .20' : 50=0D49B' @085' 20' ; 0B89' .7' ;0' 6.@"0D' $! ' 79' 246' =7496# 9' .20' D08.2' 73' ;46' 38.205' <24=2' .77F' : "8=0' .246' @085' 8.' 75F' 79' .20' .2' 73' 0 ; 5A85@ ' 858=64""8 ' 83.05' DA"@' 67"0C94649B' .20' 7 ; 60SA406' 73' 0?05A6 ' 286.090D' .7' =79=A"D0' 8' : 08=0' <4.2' .20' 8"0G D794896# .' .20' 68C0' .4C0 ' 20' 09D08?7A50D' .7' 49DA=0' .20' 85C@' .7' 8=F97<"0DB0' 24C' 86' 67"0' 0C : 0575 ' .7' .20' 0I="A6479' 73' &0.8# 84"49B' 49' .28.' 8..0C : . ' 20' 304B90D' 8C4.@' .7<85D6' 246' ; 57G .205# ' : 50.09D0D' 50=79=4"48.479' .77F' : "8=0 ' 89D' &0.8' 89D' 20' 50.A590D' .7' #7C0' .7B0.205' <4.2' .20' 86206' 73' .2045' : 8509.# 0.' 0?09' 79' .2045' 7A590@' 27C0<85D ' 858=8""8' 49DA"B0D' 49' 350SA09.' D064B96' 79' 246' ; 57.205L6' "430 ' ; A.' 50358490D' .7' : A.' .20C' 49.7' 0I0=A.479 ' : 85."@' .257AB2' 3085' 73' .20' 67"D4056 ' 89D' : 85."@' .257AB2' .20' <8.=23A"# : 50=8A.4796' 73' &0.8 ' <27' <86' 8 : G : 5460D' 73' 246' 7<9' D89B05*

a[' 9 ' 7 ' > , >N# 20' .<7' ; 57.2056' 09.050D' .20' =4.@' .7B0.205 1 .7B0.205' ; 06.7<0D' D798.4?06' 79' .20' .577 : 6 ' 89D' D46.54 ; A.0D' "85B06606' .7' .20' : 07 : "0# A.' 49' .20' C4D6.' 73' 9tB7=48.4796' =7CG C09=0D' 375' : 08=08 ; "@' D4?4D49B' .20' 0C : 450' ; 0G .<009' .20C ' 858=8""8' CA5D050D' &0.8' 49' .20' ?04@' 85C6' 73' .2045' C7.205# 20' 67"D4056 ' .27AB2' 8.' 3456.' 0I86 : 058.0D' ;@' .20' 8.57=4.@' 73' .20' 8=.' <050' 8.' "09B.2' 8 : : 0860D' ;@' 0I.58?8B89.' ;54 ; 06 ' 89D' .2A6' 0954=20D' <4.2' .20' <08".2' 8==ACA"8.0D' DA549B' .20' 504B9' 73' 0?05A6 ' .20@' 996=54 E' "7A6"@' : 5797A9=0D' &0.8' 8 : A ; "4=' 090C@#' 7' .20' 098.0' 20' ; 7"D"@' A6.4340D' 246' =54C0' 73' 358.54=4D0 ' 79' .20' 8""0B0D' : "08' .28.' &0.8' 28D' ; 009' 09B8B0D' 49' : "7.6' 8B8496.' 246' "430# 0' .209' : A.' .7' D08.2' 8 ' .2760' <27' <050' F97<9 ' 75' 6A6 : 0=.0D' ! .7' 28?0' 38?7A50D' .20' =8A60' 73' 246' ; 57.205 ' <2760' 98C0' <86' 357C' .28.' C7C09.' 05860D' 357C' .20' : A ; "4=' C79AC09.6#' M 00' 8' 50C85F8 ; "0' 496.89=0' =4.0D' 49' :# aN# 89@' .27A689D' : 056796' 850' 684D' .7' 28?0' 38""09' ?4=.4C6' 79' .246' 7==86479' .7' .20' =A : 4D4.@' 89D' ; "77DE.2456.49066' 73' .20' 4C : 0548"' D06 : 7.'/ 8C79B6.' .2060' <050' 8 : 494A6 ' : 5030=.' 73' .20' : 50.7548' BA85D6 ' 89D' 8' D46.49BA4620D' "8<G @05 ' .7B0.205' <4.2' 7.205' C09 ' 86' <0 ' 86' <7C09 ' 73' 589F*

a ' 9 ' ' > , HN* 1 #0C7560' 8.' 28?49B' =7CG C4..0D' .2060' D508D3A"# =54C06' : A56A0D' 24C' 0?05@' <2050' ' ; A.' 8 ; 89D790D' .7' .20' .75509.' 73' 246' ; 5A.8"# : 8664796' 20' 90?05' =0860D' .7' : 05 : 0.58.0' =C0".406' 89D' .7' 493"4=.' 7 : : 50664796#' 9' .20' ?849' 09D08?7A5' .7' ; 89462' .20' .055756' 73' 89' 0?4"# =79G 6=409=0 ' 20' 8DD4=.0D' 24C60"3' 6.4""' C750' 08B05"@' .289' 0?05' .7' 8CA60C09.6' <24=2 ' C086A50D' ;@' .20' #7C89' 6.89D85D' 73' : A ; "4=' C758"6 ' C4B2.' A9D05' 7.205' =45=AC6.89=06' 28?0' 37A9D' 0I=A60' 49' .20' D0645D' .7' B58.43@' .20' D4667"A.0' 89D' 492AC89

A B '*

1 =76# # # # '68=5434=0'/ 641'34BA506#
1 4 # =# 858=8""8'8A3# &0.8 ' <4.2' .2500'
67"D4056*1 " 0 3! ' "$ ' 0?058# 34B A50 '
68=5434=49B*1 !* ' ' 20' 0C : 0575' 6.89DG
49B' 9085' 8'.57 : 2@*1 %?. 4 # $0!" ' 20'
.2500' 790.p*1 # =# 0?0C6'89D' 858E
=8 8*1 " ' !' C : 0575' 8DD5066498' 246' 67"D4056#
1 =76# 94"# 45=A6# M 00' <77DE=A.' :# , N*1'
=76# 4444# 479' <4.2' .2A9D05 ; 7".*1 # " '
C : : 575' 89D' .<7' 67"D4056*1 # E
*

" ' * 1 " ' ' 5=2' 73' 0?0E
5A6# M 00' <77DE=A.' 49' : # aN*1 = !' "
1 # ' "# *EEEEEE E

' # !

' ! ' * / # ! ' " ' ' " ' ="A ; '
<4.249'8'B85"89D*1 # ' 6 ' 57 : 2@'79'08=2'
64D0'8'=8 : .4?0*

#' 75' # # "' % EEE 9=409.
C79AC09.6' 89D' =7496' 8C79B6.' .20' 506.' C8F0'
A6' 8=SA849.0D' <4.2' 6A=2' =856' 73' .20' #7C896' 86'
<050' A60D' ;@ .20C' 04.205' 375' =05.849' =050C79406'
73' 50"4B479' 375' .20' : 7C :' 73' .54AC : 26' 75' 375' .20'
=7A5606' 73' .20' 45=A6# 20@ <050' 73' .<7' F49D6' 79'
.<7' <200"6' 89D' 79' 37A5# 20' 375C05' <050' 6C8""05
89D' C750' 89=409.' .282' *.2760' 79' 37A5' <200"6'
<24=2' <050' 8.' 3456.' 50605?0D' 375' .20' 24B206.' C8G
B46.58.06' A9D05' .20' 50 : A ; "4=' 89D' 375' .20' 0C : 05756'
83.05<85D6# 20' =856' 73' =050C79@' : 85.77F' 73'
.20' C8B9434=09=0' 73' .20' #7C896/ .20@' <050' D0G
=758.0D' : 573A60"@' <4.2' 64"?05' B7"D' 4?75@' 89D'
7.205' =76."@' C8.0548"6# 20' 4C : 0548"=28547.6'
89D' .2760' A60D' ;@' : 056796' 73' .20' B508.06.' D46G
.49=.479' <050' D58<9' ;@' CA"06' 75' ;@' <24.0'
275606' <24=2' <050' C76.' : 54\0D*

' ' $' ' ' ' 6 '" ' 605?0D'
8"67' 79' 7==864796' 73' : A ; "4=' 306.4?8" ' 246' ?024="0'
<86' 8' 6 : 0=406' 73' 620"" ' C7A9.0D' 79' .<7' <200"6'
4.' <86' 24B205' ; 03750' .289' ; 0249D' 89D' 7598G
C09.0D' <4.2' : 849.49B' 89D' 6=A" : .A50# (209'
28590660D' .7' .<7' 275606' .20*60' =856' <050' =8""0D'
) ' M600' 1648' B096' :# , , 1 8A3048' B096' :#
, >aN' 89D' 0 '<209' D58<9' ;@' 37A5' 275606'
<24=2' <050' 8"<8@6' D54?09' 8 ; 5086.*1 00' 9948'
B096' :# ' 934D48' a ' 60 ; 48' , >, *1 00'
8"67' * '89D' /
' ' ' M=A55A6' 85098.4N' <050' A60D' ;@'
.20' #7C89' $ ' 375' =855@49B' .20' 6.8.A06'
73' .2045' D4?494.406# 20@' D433050D' 357C' .20' 7.2056'
79"@' 49' .20' 85=20D' 5773' : "8=0D' 8 ; 7?0' .20C ' 89D'
A9D05' <24=2' .2760' 49' .20' ?024="0' <050' : 57.0=.0D'
357C' <49D' 89D' ; 8D' <08.205*1 00' ' + '
89D' p
' ' $' . ' 86' 6009' 79' =7496' 850' 7=G
=864798""@' D58<9' ;@' .20' 894C8"6' <24=2' : 8B89'
C@.27"7B@' 286' =7960=58.0D' .7' .20C# 75' 01G
8C : "0' .28.' 73' 4898' ;@' 6.8B6' .28.' 73' @ ; 0"0'
)3' "4796' .28.' 73' 8==2A6' ;@' : 89.2056' .28.' 73'
05=A"06' ;@' =09.8A56' =*1 00' A50"48' B096'
: # ' ' ' '
' '73' .20' : 57=00D49B' 796A"*1 00' ' '
'#
' ' $' + ' M=A55A6' .54AC : 28"46N*1 246'
<86' 8.' 3456.' 28590660D' .7' .<7' 275606' 83.05<85D6'
.7' 37A5' 89D' .7' .<7' 75' 37A5' 0"0 : 289.6' M60=! 334=4"48'
B096' :# N*' .' <86' 73' 8' =45=A"85' 375C' 28D' .<7'
<200"6' 89D' .20' .54AC : 205' 6.77D' 4A' 4.' 86' 46

*
620<9' 79' ?8547A6' =7496# 3.05' .20' 018C : "0' 73'
.20' &500F6' .20' #7C896' 7598C09.0D' .2060'
.54'AC : 28"=28547.6' <4.2' 4C8B06' D064B90D' .7' : 05G
: 0.A8.0' .20' C0C75@' 73' .2045' ?4=.75406# 20' A60'
73' .20' ' + ' 28D' ; 009' 49.57DA=0D'
8==75D49B' .7' 67C0' ;@' #7CA"A6' 8==75D49B' .7'
7.2056' ;@' 85SA{9' .20' 9=409.' 75' 8"054A6' 7 : E'
"4=7"8# 03750' .20' .4C06' 73' .20' 0C : 450' .20' '
$' + ' <86' B09058""@' B4".' A9D05' .20' 0CG
: 05756' 4.' <86' 73' B7"D 1 .20' .54AC : 205' 24C60"3'
20"D' .20' 50496' 73' .20' 275606# 3' 20' 28D' @7A9B'
=24"D509' .20@' <050' : "8=0D' <4.2' 24C' 49' .20' =85'
43' .20@' <050' 8D7"06=09.' .20@' 8==7C : 894 0D' 4.'
79' 27560 ; 8=F# 9' 8' B508.' 9AC ; 05' 73' .20' 4CG
: 0548"=7496' <0' 600' .20' + '49' 246' =28G
547.' 86' 49' 7C4.489' 9.79490' =# (209' 20'
C7A9.0D' 49.7' 4.' .246' : 58@05' <86' 684D' / 1 T' 44'
9A.9' 0.' 4C : 0547' SA75AC' 98.8' 0.' 89=.8' 06.' 506'
#7C898' 08AD0C' : "8=8.4' : 57 : 4.48.4SA0' 6t5?8.0*U'
20' 0C : 0575' .54AC : 249B' <86' 37""7<0D' 86' <0"" 86'
: 50=0D0D' ;@' 67"D4056' .5AC : 0.056' 89D' 7.2056'
; A5949B' =76."@' : 053AC06*1 M 4.46=A6 1 4 49 1'
#86=20N*

9' 8' C0D8""479' 4A' ; 579\0' 73' &75D48976' 4A6'
46' 8' .54AC : 28"# =85' 73' <24=2' .20' 0C : 05S5' 46' .20'
=28547.005# .' 8B5006' <4.2' .2760' 73' 7.205' =856' 73'
.54AC : 2' 0124 ; 4.0D' 79' #7C89' =7496 1 5060C ; "49B'
86' 4.' D706' 8' 6275.' =7C : 8=.' 57A9D' .7 <05' 506.49B'
79' 79"@' .<7' <200"6# 20' 0C : 0575' 6.89D6' BA4DG
49B' .20' ?024="0' 8==75D49B' .7' .20' 7"DE06.8.479' 73' .20' #7C89'
=856' 73' .54AC : 2' 49' .20' <0""EF97<9' =749' 73' &05E
C894=A6' p685' <4.2' "0B09D' !" ! ' & *
& ' *

' " ' ' %'
<86' ; 7C' 73' 7 ; 6=A50' : 8509.6' 49' .28.' : 85.' 73'
0"B4=' &89"=8""0D' 098 : 48' 8' D46.54=.' ; 0.<009' .20'
=20"D.' 89D' .20' 0A60# 50D' 8' : 4"7.' 20' 28D' 50G
=7CC09D0D' 24C60"3' 8"4F0' ; @' 246' 6F4""' 49' 98A.0=8"
8338456' 89D' ; @' 246' ; 58?05@' 86' 8' 67"D405' .7' .20'
38?7A5' 73' 47="0.489' 89D' 814C489A6' 05=A"06#
.' <86' .20' "8..05' 0C : 0575' .28.' B8?0' 24C' .20' =7CG
C89D' 73' 8' 98?8"' 375=0' <24=2' 28D' ; 009' 0S4A : : 0D'
375' .20' : A5 : 760' 73' : A..49B' 8' 6.7 : ' .7' .20' : 50D44.75@'
01 : 0D4.4796' 73' .20' 589F6' <27' : =5A4649B' 8 ; 7A.'
49' .2045' "4B2.' ?0660"6' 357C' : "8=0' .7' : "8=0' <050'
=7CC4..49B' =79.49A8"' 7A.58B06' 79' .20' =786.6' 73'
<28.' 850' 97<' 7""89D' 0"B4AC ' 589=0' 89D'
: 849# .' 3456.' 858964A6' D46 : "8@0D' \08"# 89D'
8=.4?4.@' 49' D46=285B49B' .20' DA.406' 73' 246' 8 : : 749.G
0D' 605?4=0' ; A.' 6A ; 60SA09."@' 246' 0SA4?7=8"' C7?0G
C09.6' 89D' 49=508649B' <08".2' B8?0' 54"6D' .7' 6.579B'
6A6 : 4=4796' .28.' 20' 8""7<0D' .20' 608E57 ; ; 056' <27C'
20' 627A"D' 28?0' 6A : : 50660D' .7' 57?0' <4.2' CG
: A94.@' .20' 98557<' 6086' 49' 75D05' 83.05<85D6' .7

57;A6 ' 79' <2760' C790@' .20' 4C:0548'' 034 B406' 850' 73.09' .2A6' 50:50609.0D' F05C89 ' :' ,> *
' ?78' 4905?8' 6.89D49B ' 27"D49B' .20' 286.8' 89D' 89' 7"4?0' ;589=2' 9' .20' 340"D' 6' :' 9' .20' 0105BA0' 0 6 6 ! ' M 89494*N
M # ' & ' '<7C89' 27"D49B' .<7' 6.89D85D6 ' 79' 7.2056' 27"D49B' .20' 286.8' 89D' =75E 9A=7:460*
' ' 5' ' 5' ' < ' 54B2.' 289D6' 7490D ' 75'.20' 0C:0575' 74949B' 289D6' <4.2' 8' 30C8"0' 34BA50*
9' 790' 73'.246' 5850' .@:0 ' 49' .20' #78=2' C4.2' =8;490. ' <0' 508D' 79' .20' 7;?0560' ! # ' " ' " * 5 :' 64?6' :' ' ' *
=7 # ' &' 0:.A90' 608.0D ' 49' 246' 54B2.' 289D' 89' 89=275 ' 49' 246' "03.' 8' .54D09.' 50G ?0560D*
00' 50C85F6' 79' .246' =749 ' 49' 0 ' $' 8 ' 7' ;@' 5' #78=2' C4.2 ' :' ,H *
' M75 =7 ' " -' &' 05G =A"06' M 47990.*N
1 &7DD066' 608.0D ' ! ' " ' 1<' '6.8B 1 ' # ' '6.8B*
+ ' ' 4' <7' 34BA506' 6.89D49B ' <4.2' 7490D' 289D6' 9' .20' 0105BA0' #' 6' *1 00' .20' <75D6' '
4=4 ' &' (7C8A' ?54.2' 0964B9' 89D' 07CA07:460* 1 8CO' "0B09D' ' B8""0@' 79' .20' 608 ' <4.2' 57<056*
' ' 7A5' =24"D509 ' 50:50609.49B' .20' 37A5' 6086796* 1 9B58?0D' 49' F05C89 ' :4' ' 1 ' ' (7C89' 27"DG 49B' .<7' C4"4.85@' 6.89D85D6*
' ' 4C4"85'.@:0*1 M 9'.20' 7A=0' =7""0=.479 ' ;0SA08.20D' .7' 89D' D0:764.0D' 49' .20' 7D"0489' 4;585@*N
20' "86.' .2500' .@:06' 7==A5' :05:0.A8""@' 49' .20' #7C89' 605406 ' ;A.' .20@' 850' ?05@' 8: :57:548.0' 79' .20' =7496' 73' 790' <" .' 7<0D' 67' CA=2' .7' 246' C4"4G .85@' :85.46896*/1 F05C89 ' :' ,H *
' &' 75.A90' <4.2' 5ADD05' 89D' =75E 9A=7:460*EEEE # * ' * ' 75.A90' 608.0D* 1) *1 ' ' # ' ' ' &*
' ;08A.43A"' ;A6. ' 49' :0530=.' :50605?8.479 ' 89D' 684D' .7' ;0' A94SAO ' <86' :A5=2860D ' 8.' T' 8' <0""E F97<9' =7""0=.75L6U' 68"0 ' 375D >' [6*
' (7C89' 27"D49B' B"7;0' 2%,' (!)C' 9A=7:460*
& 4?6' + # ' &0A4A6' 6.89D49B' <4.2' :8.058' 89D' 07CA07:460*
246' A94SAO' ;5866' =749 ' 73' "85B05' C7DA"0' .289' .28.' 73' 75D4985@' .245D' ;5866 ' 46' 09B58?0D' 49' 6 ' ' ' ' ' ' :4' ?' 7' H *1 T' .' <86' 49' .20' :766066479' M7;605?06' 5' F05C89N' 73' .20' "8.0' 5' #' ' 0<C89 ' 4.@' 7"4=4.75 ' 8' 50"8.4?0' 73' <27C' 620<0D' 4.' .7' 5' ' #78=2' C4.2 ' <27' C8D0' .20' D58<49B' 73' <24=2' .20' 09B58?49B' 8;7?0' 5030550D' .7' 46' B4?09' .' 620<6' .28.' .20' A6A5:05' <86' 89147A6' .7' .06.43@' 246' B58.4.AD0' .7' .20' 85C@ ' <24=2' 28D' 098;"0D' 24C' .7' 8..849' .20' 67?0504B9.@' 73' 54.849*U' :' ,H,*
& # '?6' + ' '.57:2@' 89D .<7' =8:G .4?06' 9' 0105BA0' *1 M 47990.*N
246' "0B09D' 89D'.@:0' 7==A5' ;7.2' 79' .20' =7496' 73' &8""409A6' 89D' 73' 76.9C96* 1 F05C89*
2 41 ' ! !" ' =5=A"06' 6.89D49B ' <4.2' 246' ="A;*

' 4 # ' 05=A"06' 27"D49B' 7"4?0' ;589=2' 89D' ="A;*1 9B58?0D' 49' F05C89 ' :4'' ?' 7' H *
4 #4 ' &' 89D' && ' '<7C8A' 6.89DG 49B ' <4.2' ;589=2' 89D' 07CA07:460*
'89D' ! !" ' &' 20' A9' C85=2G 49B*1 M 47990.*N
7' , 20' 0C:0575' 49' ! C4"4.85@' 28;4.' 79' 27560;8=F ' 246' 54B2.' 289D' 27"D49B' ! 6:085 ' 246' "03.' 289D' 58460D' 8"73.*
20' .2500' "0..056' 79' .246' =749' 28?0' ;009' 6A:G :760D' .7' 49D4=8.0' .20' 8==8C8.4796' 73' .20' CA".4G .AD0' 89D' .7' 64B943@' " ' * ' =F20" ' 83.05' 50G C85F49B' 79' 4.' 8DD6 ' T' %A46SAO' :57' 6=' 8494BC8' 0I:"4=0.' ,U' 0.' 0?05@' 790' 67"?0' .20' 54DD"0' 375' 24C60"3*
"7?4' ' KA:4.05' 89D' 858A64A6*
"7?4' #4' KA:4.05' <4.2' 286.8' 89D' .2A9G D05;7".*
4 4 ' &' ' B8""0@' <4.2' 57<056' 9' 0I05BA0' ' =' 9B58?0D' 49' F05C89 ' :4' ?' 7' H *
' 6:0=4C09' <4.2' .20' 68C0' "0B09D' 89D' .@:0' 73' 50?0560/ 49' 0I05BA0' 7' ' *1 73' 349@' <75F' 89D' 86' 4.' =8CO' 357C' .20' D40 ' 7;.8490D' $H' 8.' 8' 68"0' 73' =7496' , [,' .20' :57:05.@' 73' T' 8' <0""EF97<9' =7""0=.75*U
1 *1 ' # ' ' &' #8D48.0D' 208D' 73' 858A64A6*
* *1 ' ' ' B8""0@ e49' 0I05BA0' '=*1 ' 3490' 6:0=4C09' 09B58?0D' 49' F05C89 ' 79' #7C897' 54.462' =7496 ' :4' ?' 7' H *
20' B8""0@6' <4.2' .2045' C86.6' 89D' 57<056' 50G :50609.0D' A:79' .20' =7496' 73' 858A64A6' 89D' 0=.A6 ' T' 3A59462' A6' <4.2' 0I8C:"06' 73' .20' 624:6 ' <24=2' 3456.' 7;.8490D' 375' 54.849' .20' 67?0504B9.@' 73' .20' 608 ' 89D' 375' .20' 6:8=0' 73' 9490' @0856 ' :57G .0=.0D' .246' 46"89D' 49' 89' 49D0:09D09.' B7?059C09.' 20' #7C896' A9D05' 796.89.496 ' 0"30=.0D' 8' "89DG 49B' 79' .20' 67A.2059' =786.' 28?49B' 0?8D0D' .20' 3"00.' 73' 0=.A6' M6.8.4790D' 733' .20' 6"0' 73' (4B2.N <24=2' <86' 09?0"7:0D' 49' 8' .24=F' 37B' ' "89D' 09B8B0C09.' 50DA=0D' 54.849' 79=0' C750' .7' 8' :57G ?49=0*U 1 00' 0 ' $' 6) ' =' M<54..09' ;@' ' #78=2' C4.2 ' * ' ' 89D' 4""A6G .58.0D' ;@' ' (' 8452 7".' ' ' ' <27 ' 49' 07CR' ;4949B' .20' 6:454.' 89D' 49DA6.5@' 73' .20' .@:7B58G :24=8" ' 246.754=8" ' 89D' 9AC46C8.4=' 89.4SA85@ ' <4.2' .20' 6F '' 89D' 8==A58=@' 73' .20' 85=2607"7B4=8'' D58AB2.6C89' 89D' 09B58?05 ' 28?0' .7B0.205' :57G DA=0D' 89' 0"0B89. ' 49.0506.49B ' 89D' ?4DA8;"0' "4.."0' ?7"AC0N*
' & &' (7C89' 27"D49B' B85"89D' 89D' =759' 0856 ' 75' 506.49B' 205' 289D' 79' 89' 89=275* 1)*1 ' # ' :' :' &' #8D48.0D' 208D' 73' .20' C:0575' .7' .20' 54B2.' .20' ;A6.' 49' .20' :8"AD8C09.AC*1 6 *1 0 &' !!66' '#*! ! ' '34BA50' 73' 8:54=759' 9' .20' 0105BA0' ' *1 ' M 9B58?0D' 49' F05C89 ' :4' 7' N*1 00' ' + ' :' , >*
246' A94SAO' =749' 49' 6C8 ' ;5866 ' <86' 37A9D' 8C79B6.' 7.2056 ' 49' , >a ' 9085' .57AD ' 49' ' 09.' 89D' <86' =7CCA94=8.0D' .20' 68C0' @085' .7' .20' AG C46C8.4=' 7=40.@' ;@' 5' ' #78=2' C4.2 ' M600' ' ' '?7"' 44*' :' , , N ' <27' .7' .20' 8;7?0' D06=54:.479' 8DD6' .20' 37""7<49B' 50C85F6/1
T' 20' .<09.@E60=79D' "0B479 ' 6A598C0D' 54E

*

09B58?0D' 49' 5# F05C89L6' <75F' 8;7?0' SA7.0D' :4# # 7# H*

4 ' ?7# 4BA50' 6.89D49B' <4.2' .54G D09.' 38=49B'.20' 0C:0575' <4.2' B"7;0' 89D' 8?0"49* 05@ 5850' 67"D' 375' $>' 8.'.20' 0C;57F0' 68"0* M 4 ' 6?4 # 858A64A6' 6.89D49B' 27"D49B' 49'.20' 54B2.';8AD' 8' 4=.75@' 49'.20' "03.' 8' 6:085' 89D';A=F"05*

90' 73'.20' #7A09' ';08549B'.246' 50G ?0560' 57A9D' 3490' 89D' A9:A;"4620D' 67"D' 49', H, ' 375' $>',,6*

'<7C89' 6.89D49B' 27"D49B' 49' 08=2' 289D' 8' 605:09.# M 75C05"@' 49'.20' "8.0' 5# 7900L6' =8;490.';A.' A98==7A9.8;"@' "76.' 75':A5G "7490D\#*

9' 246' . + ' ' 'M?7"# 44# :#, N' 5# F05C89' 8""AD49B'.7'.246' 0I.5875D4985@'=749' C8F06'.20' 37""7<49B' 50C85F/1 T' 3' 4.' <050' 97.' 375'.20' ?05@' 649BA"85' "0B09D' ¤ 79'.20' =7496' 73' 858A64A6' .20' 8A.209.4=4.@' 73' .28.' <4.2' # C4B2.';0' D7A;.0D' 79'.20' B57A9D'.28.' 4.6' 375C' 46' 8".7B0.205' A9A6A8"* 1' 3.05' 8 ' .20' "8..05' C8@' 28?0' ;009' 790' 73'.2760' ;"A9D050D' 50E6.94=F' 75' 4 E6.5A=F' =7496' 73' 8E 58964A6' 73' <24=2' ,' 28?0' 6009' C89@' 0I8C:"06# ' 28?0' ;03750' C0' 8' ;5866' =749' 73' 858A64A6' 6.5A=F' 79' 790' 73' 4=.7549A6' .20' 4 E375C0D' "0.G .056' 8:.08549B' 97.' A9"4F0'.246' ?05@' <75D' U

20' 37""7<49B' 8DD4.4796' .7'.20' 8;7?0' "46.' 73' .245D';5866' 850' D06=54;0D' 357C' 89' A94SA0' 60540G 73'.20' =7496' 73' 858A64A6' 89D' ""0=.A6' 49'.20' :766066479' 73' 5# #78=2' C4.2' 357C' <2760' <54.49B6' 50"8.4?0'.7'.20' C49.8B06' 73'.2760'.<7' A6A5:056' CA=2' 49375C8.479' A603A"' .7'.20' 9AG C46C8.46.' C8@';0' B"0890D 1

+' %# ' 30C8"0' <4.2'.<7' C4"4.85@' 6.89D85D6*

' # '.0C:"0# 9'.20' 340"D' 6# #

' # 0C8"0' <4.2' B85"89D' 89D' 89=275* ' # 'C4"4.85@' 34BA50' C84=249B' 8.' 246' 300.' 8' =8:.4?0*

?4 # 05=A"06' <4.2';7<' 89D' ="A;# 9:A;"4620D*

' ' '

+ *

,# 4?6' ' | ' # 20' 208D6' 73' 858A64A6' 47="0.48996' 89D' 8I4C489A6' 64D0';@' 64D0'.20' 3456.' 58D48.0D'.20' 7.205'.<7' ;850*

. *1 +' && # 08=0' 6.89D49B' 27"D49B' 89' 7"4?0';589=2' 89D'.20' 286.8' :958# 9'.20' 340"D' 6# jK# M75' :57;8;"@' 6# :#.20' "8..05' 46' 49D46G .49=.N# 9'.20' 0I05BA0' =*

20' 8;7?0' <77D' 09B58?49B' 357C' 8'.245D';5866' 73' 858A64A6' 49'.20' 54.462' A60AC' =79?0@6' .20' 4D08' 73' 8' =749' 49';0..05':50605?8.479' .289

* , ,

.28.' 49' <24=2'.20' 754B498"# 46# A.' 49' 0?05@' 7.205' 506:0=.'4.':50609.6' 8' 384.23A"# =7:@*

20' 6:0=4C09' 73'.246' 49.0506.49B' "0B09D' 89D' .@:0' <24=2';57AB2.' $ ', 6# 8.'.20' 27C86' 68"0' 8AD' <24=2' <86' 375C05"@' 49'.20' 4""49B09' =7"G "0=.479' 46'.2A6' D06=54;0D' 49'.20' 8.8"7BA0' :# a '"7.'

># T' 1) *1 8A508.0';A6.6'.7'.20' "03.' 64D0' ;@' 64D0' 73'.20' C:05756' 858A64A6' 47="0.489' 89D' 8I4C4989' 05=A"06* 1 " ! ' # . ' ' 6?4+EEEE6 *1 08=0' 6.8AD49B' 27"D6' 89 7"4?0';589=2' 49' 205' 54B2.' 289D' 89D'.20' 286.8' :958' 49' 205' "03.* 1 # 6' &&&' 9'.20' 340"D' 6# :# 9'.20' 0I05BA0' =# 75' &*' &'+ 2

T' 3.05' 60?058"# 490340=.98"# 8..0C:.6'.7' =5A62' .20' :7<05' 73' 858A64A6'.20' C:05756' 47="0G .489' 89D' 8I4C489' 37A9D' 4.' 8D?468;"0' 90=06685@' 89D' C76.':5AD09.'.7' 8=F97<"0DB0' 24C' 86'.2045' =7""08BA0# 20' 0?09.' 46' =7CC0C758.0D';@'.20' D0?4=0' 8::57:548.0' 0C;"0C6' 89D' "0B09D' 73'.246' =749 N(; ';@ 5# A5B79*

=F20"# M?44# N' D06=54;06' 8'.245D';5866' <4.2' .20' 68C0' 50C85F8;"0" "0B09D' 79' 4.6' 7;?0560' ;A.' 246' D06=54:.479' 73'.20' 7;?0560'.@:0' 86' <4""# ;0' 6009';0"7<' D433056';7.2' 357C'.28.' 49'.20' 54.462' A60AC' 89D' 357C'.28.' 49'.20' 27C86' =7""0=G .479' 6:0=4C09' / 1 !

H# 1) *1 ' ' ' # 2500' ;A6.6' AB8.0D'.20' 3456.' 73' <24=2' 46' 8' 58D48.0D' 790' 73' 858A64A6'.20' 60=790' "8A508.0D' 73' 47G ="0.489' 89D'.20'.245D' <4.2'.20' "479L6' 6F49' 73' 8I4C489A6' 0509"4A6*

6 *1 +' &&&# '30C8"0' 6.89D49B' <4.2' 7"4?0';589=2' 49'.20' 54B2.' 289D' 89D' 6:085' 49'.20' "03.# 9'.20' 340"D'.20' "0..056' 6# 89D' %*' 8.'.20' ;7..7C' =*

246' =749' <24=2' 8.'.20' .4C0' 73' =F20"L6' <54.49B' <86':50605?0D' 49'.20' =8;490.' 73'.20' ;;8.0' 0564=7' 8.'&0978' <86' <0' "0859';57AB2.' .7' "4B2.';@' 89' 49D4?4DA8" 73' B508.' 8..849C09.6' &86:85' D054=' 49' 8' "0..05' 8DD50660D'.7' 8 0.897' 85494':A;"4620D' 49'.20' @085', >' 49'.20' .8G "489' 7CC09.8540 6' 09.4."0D' T' 4 ' ' :549.0D' 8.' 468' 9 'I"?# :# > [N# 20' 8A.275' 8;7?0' 8""AD0D'.7' 6A;60SA09."@';A;"4620D' 8' 60:858.0' 97.4=0' 73' 4.' 8.' &0978# 20' =749' 27<0?05' =7A"D' 97.' :57:05"@';0' =8 0D' 89' 0 +) '790' 86' 4.' 28D';50?47A6"@';009' C09G .4790D';@ .AF0"0@' M?7"# 4# :#, N' T'.27AB2' 7;605?0 U' 8DD6' =F20"' T'.28.' 246' <75F' <86' A9G F97<9'.7' D054=' 89D' 8949# 20' ?8"A0' 73'.246' B0C' 46' 7<49B' 97.' 79"@'.7' 4.6':50609.49B'.20' =79 7490D';A6.6' 73'.20'.2500' 9BA6.4';A.' 8"67' .7'.20' 496=54:.479' <24=2' 8==7C:89406'.20C' 89D' <24=2' 28D' 90?05';03750';009' 50C85F0D' 79' =7496# 2050' =89';0' 97' D7A;.'.28.';@'.20' <75D$ ' 850'.7';0' A9D056.77D' 858A64A6' 47="0.489' 89D' 8I4C489'.20'.<7' "8..05' 73' <27C' .27AB2' 8.' .20' 3456.' 276.4"0'.7' 858A64A6' 83.05<85D6' 09.050D' 49.7' 8' :85.905624:' 73' D4B94.@' 89D' :7<05' <4.2' 24C# 246' :85.4=4:8.479' 73'.20' 4C:0548"# .4."0' ;@'.2500' =7""08BA06' 46' 3A5.205' =79345C0D';@'.20' 496054:.479' &&&' 89D' 4.' 46' 8"67' 4D"AD0D'.7' 49' "0B09D6' 37A9D' 79' 7.205' =7496' 73' 246' 69=2' 86' ' & &*' ' &&&' *1' 2050' 850' 60?058"# 496.89=06' 73' 0C:05756' 49' =7 04 A0624:' 6.@"49B' 08=2' 7.205') 2

, > *

20' :8668B0' 49' .20' ' ; 3' $' ' ' ' :A;"4620D' 49' , [' .7' <24=2' =F20"' 286' 8""AD0D' 8;750#' 46' =4.0D' ;@' 5#' F=5C89' 49' 246' =7:47A6' "46.' 73'.20' 858A6489' =74A 0' M:#', [N 86' 37""7<6/1

#' T' ' =749' 73' .246' 5850' 89D' 49.0506.49B' .@:0' 46' 6.8.0D' ;@' .AF0"0@' .7' 28?0' ;0""79B0D' .7' 5# (8"0' 73' 7"90' 49' 89=862450' 49' <2760' =A6G .7D@'4.' 8:-0856' .7' 28?0' 50C8490D' 375' 67C0' .4C0' A997.4=0D' 49' 8' C866' 73' #7C89' =7496' 37A9D' 8.' 206.05375D' A9.4"' D0.0=.0D' ;@' .20' 0I:05409=0D' 0@0' 73' 5# 285"06' &58@' *#* # 89D' * * * 1' .AF0"0@' D06=54;06'4.' T' 73' 0I=0""09.':50605?8.479' .20' 38=06' 73' .20' .2500' 0C:05756' D46.49=.' 89D' 0864"@' F97<9' 47="0.489' 49' .20' C4DD"0' 858AE' 64A6' 79' 246' 54B2.' 814C489' A::05C76.' 0I8=."@' 8==75D49B' .7' .20' 5A"0' 73' C899056*U

97.205' 6:0=4C09' 46' 49' .20' =7 0=.479' 73' .20' 79# #* # 0?4""0' * * *

9'.20' 6:0=4C09' <209=0' .20' 8;7?0' 49605.0D' =A.' 46' .8F09' .20' ;96.' 73' 858A64A6' 46' :"8=0D' .7' .20' $' 73' .20' 7.205' .<7' 8' 50"8.4?0' :764.479' <24=2' 6A50"@' 8B5006' C750' 0I8=."@' <4.2' T' .20' 5A"0' 73' C899056U 1 49' 7.205' <75D6' .20' 75D05' 73' :50G =0D09=0 1 .289'.28.' 8==75D49B' .7' <24=2' .AF0"0@' =7964D050D' .20' ;A6.6' .7' ;0' 85589B0D' 79' .20' =749' <24=2' 'D06=54;06# A.' 8.' 89@' 58.0' .20' 375=0' 73' 866AC:.479' 89D' 8557B89=0' =89' 285D"@' B7' 3A5E

*

.205' .289' 858A64A6' 286' 49' .246' 496.89=0' =85G 540D' 4.' ;@' :"8=49B' 8' ' & ' 79' 246' 7<9' 208D' <24"6.' 20' 8664B96' .20' 60685489' 27G 97A56' 73' .20' + ' '.7' .20' .<7' 1' $ ' '

86."@' 6A::7649B' 08=2' 506:0=.4?0' D06=54:.479' 8;7?0' SA7.0D' .7' ;0' =7550=.' 4.' <7A"D' 8::085'.28.' .2050' 850' 8.' "086.'.2500' 43' 97.' 37A5' 6:0=4C096' 89D' 86' C89@' ?8540.406' 49' .20' 7;?0560' .@:0' 73' 3.246' .20' C76.' 246.754=8""@' =A547A6' 73' 7A5' 9B"7E#7G C89' 0C:0575L6' C49.*

E ' ' ' # *

9' =7964D058.479' 73' .20' 24B2' 06.00C' 49' <24=2' .20' C49.' 73' 858A64A6' 46' A6."@' 20"D' 375' .20' "4B2.' <24=2' 4.' 605?06' .7' .257<' 79' 89' 7.205<460' A9E4""A6.58.0D' ;A.' 385' 357C' A94C:75.89.' 0:7=2' 49' .20' 8998"6' 73' 54.849' 7A5' 97.4=06' 73' 4.6' C76.' 50C85F8;"0' .@:06' 89D' "0B09D6' 28?0' .2A6' ;009' 0I.09D0D# 75' =8A' 8' 5030509=0' .7' 6A=2' 9AC46C8.4=' 50"4=6' ;0' ;57AB2.' :0528:6' .7' 8' C750' 49.0506.49B' ="760' .289' ;@' 2050' 49605.49B' 8' =A.' <24=2' 3456.' 8::0850D' 49' .20' 60=79D' ?7"AC0' 73' 5# #78=2' C4.2L6' ' ' 0 :' 89D' <24=2' .28.' D46.49BA4620D' 89.4SA85@' 286' 8"G "7<0D' .7' ;0' A60D' 49' .246' <75F* A; 749D' 850' =4.8.4796' 357C' :A;"4620D' 50C85F6' .7' <24=2' 67' 649BA"85' 8'C790.8"' D46=7?05@' 286' B4?09' 5460*

T' 20' =749' 2050' 50:50609.0D' M68@6' 5# C4.2N 375C6'.20' A94SA0' 0I8C:"0' 73' 8' 97?0"' ="866' 28?G 49B' 8' 3A""E38=0D':75.584.' 73' 858A64A6' 75'.246' ?8"A8;"0' 49=5086 0'.7' C@' =7""0=.479' ' 8C' 49D0;.0D' .7'.20' F49D9066' 73'.20' #0?# D<85D' B50C79.' 73' (5710.05' 9085' 250<6;A5@' 8' ?4""8B0' <24=2' 7==A:406'.20' 64.0' 73' - '75' ' 790' 73'.20' =2403'.7<96' 73' #7C89' 54.849' <4.2G 49'.20' :50=49=.6' 73' <24=2'.20' =749' <86' 37A9D* 1' .'46'.20' :75.584.' <24=2' B4?06'.20' ?8"A0'.7'.246' 50C85F8;"0' :40=0# 20' B7"D' 64"?05' 89D' ;5866' =7496' 73'.246' 0C:0575' 28?0' A94375C"@' 8' :5734"0' 8AD' 49' 97' 496.89=0' 68?0' 49'.246' 6:0=4C09' 46'.20' 208D';850# .' 46' 04.205' "8A508.0D' 75' 20"C0.0D' 75' 58D48.0D# :79' =79.0C:7585@' =7496' C750G 7?05' 4.' <86' 97.' 20' :58=.4=0' .7' B4?0' 8' 3579.' 38=0# 246' 38=.' =7A:"0D' <4.2' .28.' 73'.20' 6A:0G 5475' <75FC89624:' 73' 7A5' 90<' 6:0=4C09' 6ABG B06.6'.20' ;0"403' .28.'.20' :75.584.' 46'.20' 506A".' 73' 8' =8503A"' 89D' 6A==0663A"' 8..0C:.' ;@'.20' 85.46.' .7' :57DA=0' 8' "4F09066# 6' 6A=2' <=' C8@' =79G .0C:"8.0'.20' =749' <4.2' 8DD4.4798"' 49.0506.*1' 2760' <27' 850' 38C4"485' <4.2'.20#:5734"0' 73' 8E 58A6496' 49'.20' ;0..05' 0I0=A.0D' 6:0=4C096' <4""# 50=7B9460' 49'.20' 3579.'38=0'.20' :0=58"485'=2858=.05' 73'.20' 375C05' ' <4.2' 89' 0I:5066479' 73' =7A9.09G 89=0' 49D4=8.4?0' 73' D0=46479' 89D';094B94.@' <24=2' .20' 64D0' 38=0' D706' 97.' 8"<8@6' =79?0@# 20' :75G .584.6' 73' 246.754=8"' :056798B06' 850' 8"<8@6' 49.05G 06.49B# 246' =749' <24=2' 50?08"6' .7' A6' 49' :"0864 9B' 308.A506' <28.' C8@:57;8;"@';0' 50B85D0D' 86'.20' C76.' =7C:"0.0' "4F09066' <0' :766066' 73' 67' 50C85"48;"0' 8' C89' 86' 858A64A6' <4""' ;0' 8::50G =48.0D';@' 8 ' <27' 28?0' 503"0=.0D' 79'.20' =796:4G =A7A6':85.'20' 8=.0D' 49'.20' 246.75@' 73' 7A5' =7A9G .5@*U' ::#,[HE[*

7'.2060' 7;605?8.4796' 357C' .20' :09' 73'.20' 375.A98.0' :76606675' 73'.20' ;5866' =749' 50G :50609.0D' 49'.20' 8;7?0' 09B58?49B' C8@' ;0' C76.' 8D?89.8B07A6"@' 8DD0D' .20' 37""7<49B' 01G .58=.' 357C' 8' :8:05' 73' 5# 05BA0L6' 6A;60G SA09."@' 508D';@' .28.' B09."0C89';03750'.20' AG C46C8.4=' 7=40.@' 7?#>',[,'.20' =749' 4.60"3'.257AB2'.20' F49D9066' 73' 5#'#78=2' C4.2' ;049B'8.'.20' 68C0'.4C0' 0I24;4.0D' 79'.20'.8;"0' 73' .20' 7=40.@*1 M 00' ' ' ?7"# I4?# 7# N 1

T' 2 7;?0560' 73'.246' C76.'?8"A8;"0' 6:0=4C09' :50609.6'.20' A6A8"' .4."0' 73'.20' 0C:0575';A.'<4.2' .20' 649BA"85' 97?0".@' 73' 8' ;850' 89D' 3A""E38=0D' :75.584.# 9';7.2'.2060' 506:0=.6' 4.' 46' A94SA0' 86' 8"" .20' =7496' 73' 858A64A6' 24.205.7' F97<9' <20.205' 49' B7"D' 64"?05' 75' ;5866' :50609.' .20' :75.584.' 49' :5734"0' 89D' 04.205' 20"C0.0D' "8A50G 8.0D' 75' M86' B09058 @M' <4.2' 8' 58D48.0D' =57<9' ;A.' 90?05' ;850# 20' <75F' 46' B77D' 89D'.20' =79E

, # *

8.' D4330509.' .4C 06 0' #0.A5949B' . ' #7C0 ' "40' =79G =4"48.0D' .20' B77D' <4"" 73' 205' =75C 3.' 89D' D0B0G 9058.0' 4928 ; 4.89.6' ;@' .20' A6A8" 0I : 0D409.' 73' 00"0 ; 58.49B' : A ; "4=' 620<6 ' <24=2' <050' 73'8' 6A : 05 ;' D06=54 : .479" 7C : 0""0D' .7' SA4.' .20' =8 : 4.8" 89D' 4.6' "AIA5406 ' 49' 75D05' .7' C85=2' 8B8496.' .20' B7G ?05975' 73' 090.48 ' 8 ; 49A6' KA"489A6 ' <27 ' 83.05' .20' D08.2' 73' AC05489A6 ' 28D' 866AC0D' .20' 4CG : 0548" : A5 : "0 ' 8549A6' B8490D' 8' ?4=.75@ ' 9085' 05798 ' 7?05 .28.' A6A5 : 05 ' <27' "76.' 246' "430' 49' .20' =793"4=.# 0' <86' 0SA8""@' 6A==0663A" 49' 60648' 8B8496.' 47="0.489 ' <27C' .20' "0B4796' 73' .20' 86. ' 79' .20' D0=0860' 73' 9C05489A6 ' 28D' : 57G ="84C0D' C : 0575# .' <86' 83.05' 28?49B' D0308.0D' .28.' 8 ; "0' =7CC89D05' 49' D4330509.' 509=7A9.056 ' .28.' 8549A6' B8490D' .20' "86.' ; 8.."0' 20' 37AB2. ' 9085' .20' ?4""8B0' 73' A5B0 ' 49' : : 05' 60648* 1 ' .' .20' 60SA0" 73' .28.' 8=.479 ' 20' <86' 86686649G 8.0D' ;@' 8' .54 ; A90 ' <2760' <430' 20' 28D' ?47"8.0D ' 89D' <27' 28D' C ' =7960SA09=0' <8.=20D' 67C0' .4C0' 375' 89' 7 : : 75.A94.@' 73' D06.57@49B' 24C# 0' D40D' # # > [' 8B0D' .245.@E64I' @0856 ' 28?49B' 504B90D' 8"790' 790' @085*

9' 8549A6' .2050' <86' 8' M ' M67' .7' 6 : 08FN ' 8' B8.20549B 1 73' 8"" ?4=06 ' 98.A58"# 89D' 8=SA450D" 0' <86' 8' C8 : ' <27' ; 750' 79' 246' =7A9G .0989=0' .20' 49D0I' 73' .28.' : 54D0' 89D' 4967"09=0' <24=2' 504B90D' <4.249' 24C# 057=47A6' 49' D46 : 7G 64.479 ' .20' 6"8?0' 73' ; 5A.8"# : 8664796 ' 20' 509D050D' 24C60"3' 89' 7 ; 0=.' 73' 0I0=58.479' 89D' .05575' ; @' 246' 8?854=0' 89D' 246' 0I8=.4796 ' ; @' 246' 8=.8' 73' 28.03A"# ?47"09=0 ' 89D' 246' =8500 5' 73' 8 ; 89D790D' "4=09.47A69066" 0' "78D0D' 246' 6A ; 0=.6' <4.2' .8I06 ' D57?0' 357C' 246' : 50609=0' .20' 27906.' =7A9E =4 756' 8664B90D' .7' 24C' ; @' 246' 38.205 ' 89D' 49' .2045' 577C' 34""0D' 246' =7A5.' <4.2' .20' : 667=48.06' 73' 246' D0 ; 8A=205406 ' 89D' .20' =7C : 894796' 73' 246' =54C06# ==75D49B' .7' 7 : 46=A6 ' 20' 28D' 9490' <4?06 ' 60?058" 73' <27C' 20' 46' 684D' .7' 28?0' D4?75=0D ' 0?09' <24"6.' 49' 8' 6.8.0' 73' : 50B989=@' ; @' 24C*

9' 246' =7496' 20' 46' 6.@"0D' # ?9# " ' *1 # ' M75' ' # N # *1 ' "67" # =# # #" # ' :# : # &*1 8549A6' 89D' 246' ; 57.205' 9C05489A6' 8667=48.0D' 850' =8""0D' # ' ' H' &&*

9' 8' C85 ; "0 ' SA7.0D' ; @' &5A.05 ' 8549A6' 46' =4D"0D' :' ; 0=8A60' 20' 7?05=8C0' .20' ; 85 ; 857A6' .54 ; 06' 79' .20' #2490 ' .20' %A8D4 ' .20' 85C8.06 ' 89D' 6"0<' .20' A6A5 : 05' KA"489A6' 49' ; 8.."0' <4.2' ;46' 7<9' 289D*

20' ; A6.' 73' .246' 0C : 0575' 8 : : 0856' 67C0.4C06' "8A508.0D ' 8.' 7.2056' 58D48.0D ' 0I24 ; 4.49B' 04.205' .20' '75' .20'+ ' 20' C0D8""4796' 89D' 7.205' B7"D' =7496 ' 86' <0"" 86' .20' 64"?05 ' 73' 8549A6 ' 850' 0I.50C0"@' 5850# 46' ; 579\0' C0G D8""4796' 850' 8"67' 375' .20' C76.' : 85.' 73' .20' 24B206.' 5854.@# 20' .245D' ; 5866' 850' =7CC79*

20' 37""7<49B' 850' 8C79B6.' .20' 58506.' 89D' C76.' 50C85F8 ; "0' 73' .246' 0C : 0575L6' C49./1

< 0 ' 00! 1 ; *1 !* ' & .' 21 ' 8586' 89D' 8549A6 ' 6.8 : D49B' 7 : : 764.0' 08=2' 7.205 ' =57<90D' ;@' 05=A"06' 89D' .20' A9" F *1 # ' & 4" <7' 4=.75406' 6A : G : 75.49B' 8' ; A=F"05* 1 00' .2060' 506 : 0=.4?0"0B09D6* +' # " 08=0' 6.89D49B' <4.2' 7"4?0' ; 589=2' 89D' .20' 286.8' : A58*EM 00' <77DE=A.' 8 ; 7?0N*

*

< o ' $' ' M EEEEEE#! ' !0! (7C89' 89D' .<7' 6.89D85D6* 1 :# ' *!'#' " 20' C : 0575' 49' 8' SA8D54B8*EEEE 1!" *! ' & 20' C : 0575' =57<90D' ;@' 4=.75@* 1 #*! "!#!' 2 1 ' 8549A6' 49' C4"4.85@' 28 ; 4.' <4.2' 6 : 085' 89D' B"7 ; 0*

!o * 1 .'46' 6A : : 760D' .2050' 850' 97' =7496' 73' 8549A6' 49' .246' C0.8"# "47990.' 8""AD06' .7' 20 ' ; A.' 79"@' 86' T' D79.0A4*U

* ' 00! / * ! " ' & ' 50E' .7548 9' B8""0@* 1 " o!' # 0!"! ' 20' 37A5' 086796* 1 00' 47990.*

!* ' * / ! #' " *! ' 0"C0.0D' ; A6.' 73' 8549A6 ' .20' 54B2.' 289D' 27"D49B' 8' 27560' ; @' .20' ; 54D"0' 8' ; A=F"05' 79' .20' "03.' 85C* 1 6 ' & 4 ' *$!" ' 08D' 73' 8B948' 5 ; 4=8' <430' 73' 8549A6*

' B096' : "0 ; 048 ' 8' 38C4"@' "4.."0' F97<9# .6' =7496' ; 0"79B' .7' .20' "86.' 8B0' 73' .20' 50 : A ; "4=' 89D' 790' 73' .20C' 46' 50C85F8 ; "0' 375' D0"4908.49B ' 79' 4.6' 50?0560 ' .20' 496.5AC09.6' A60D' 49' .20' =74949B' 73' C790@# 2050' 850' 67C0' 64"?05' : 40=06 ' 6.5A=F' ; @' .20' C49.EC86.056' 73' ABA6.A6 ' 89D' 7.2056' ; @' .20' =7"7946.6' 73' *! ' 49' 46E' : 8948' 70.4=8' M97<' 054D8N# 20' ; 5866' 850' 8""# =7"7948" ' 89D' .20' <27"0' < 4.2' 790' 0I=0 : .479 ' 850' =7CC79# 20' D09854A6' 73' .246' 38C4"@' < 4.2' ' 375' 4.6' "0B09D' 89D' .20' 89?4" ' 28CC05' 375=0 : 6 ' 89D' : 4"04I6' 375' 4.6' .@ : 0' 73' 50?0560 ' 50G 6.750D' ; @' 58 89 ' 46' ?8"A0D ' 375' 4.6' ?05@' B508.' 5854.@ ' 8.' , ' 35# ; @' 47990.* 1 00' *! ' 600' .K6 ' *

1 *1 08D' 73'8' <7C89 ' 8D7590D' <4.2' 3"7<056* 6 *1 # #464?6' 444?4#* ' 6 : 249I ' 60D09.* 246' D09854A6' <86 ' 8C79B6.' ?8547A6' 7.2056 ' =7490D' ; @' 4.A6' 85464A6 ' 790' 73' KA"4A6' 60685L6' C790.8"# .54AC?456 ' 49' , ' 9$ ' - ' N*E 00' F+

' 89' 89=409.' =4.@' 73' 46 : 8948' =0.4=8 ' 97<' ' ' 49' 9D8"A648# KA"4A6' 60685' 6 : 08F6' 73' 4. ' 86' T ; @' 385' .20' 6.579B06.' 73' .20' <27"0' : 57?49=0*U' 20' 98C0' 73' .246' : "8=0' D706' 97.' 8 : : 085' 49' .20' "46.' 73' .20' =7"7946 0' 75' 73' .20' C994=4 : 48' 73' .20' #7C896' 4""# : 849# A.' 4.6' =7496 ' <4.2' # ' 79' .2045' 50?05606 ' 850' 0I.89.' .<7' 73' <24=2' 49' .20' 54.462' A60AC ' <4"" ; 0' 37A9D' 09B58?0D' 357C' 49' F05C89 ' T' ' ' $' ' N' :4# 444 ' 76# [' 89D' *

' ' &&*EEEEE <7' 289D6 7490D# 4"?05' =7496' 73' .20' "85B05' 64\0' <4.2' .246' "0B09D' 89D' .@ : 0 ' 850' 86=54 ; 0D' .7' 8" ; 49A6 ' ; @' 84""89.' ; A.' 47990.' M4# H aN ' 68@6' 20' 28D' 90?05' 6009' 790' 73' .20C*

' 8' =85' 75' =28547.# 2050' <050' 60?058" F49D6' 73' .2060 ' 67C0' 605?49B' 375' 5A58" : A5 : 7606 ' 7.2056' 375' .20' : A ; "4=' 6 : 0=.8="06* 1 ' 7C0' 28D' 37A5' <200"6 ' 7.2056' .<7# 20' #7C896' 8.' 3456.' A60D' .20' =85 : 09.AC' 375' .20' 75D4985@' : A5G : 7606' 73' .58?0""49B# 3.05<85D6' .246' 8 : : 0 8E

' B096* 1 3' ."40' :"0 ; 0489'75D05 ' ; A.' 73' =796A"85' 589F ' .246' 38C4"@' D46.49BA4620D' 4.60"3' 86' 085"@' 86' .20' 8C94.0' <856# 20' "456.' C0C ; 05' 73' 4. ' :# 85?4"4A6 ' 7 ; .8490D' .20' =796A"624:' , ' □ ' > HN ' 28?49B' # 8 : 454446' A5675' 86' 246' =7""08BA0 ' 89D' 50=04?0D' .20' 98C0' 73' & ' ' <24=2' <86' .5896C4..0D' 86' 8' 38C4"@' =7B97C09' .7' 246' D06=09D89.6*EEEE 20' 8 ; 7?0' D09C4A6 ' 0557G 907A6"@' 49605.0D' ; @' 750"# 8C79B6.' .20' 07496' 73' .20' 854648' B096 ' 46' 54B2."@' 8664B90D' .7' .20' 85? 44 ' ; @' L054\794*

1 *1 08D' 73' KA : 4.05' 9IA5 ' ; 085D"066' 89D' "8A508.0D ' ; 0908.2' <24=2' 46' .20'$ =

6 EEEE ' ?S ' 1 / B ' J3JW{ M.54AC?456' 73' .20' C49.N# 20' 68C0' @7A9B' KA : 4.05 ' 27"D49B' 8' .2A9D05 ; 7".' 49' 246' 54B2.' 289D ' 6.89D6' BA4D49B' 8' 58 : 4D' SA8D54B8*

75' 67C0' 97.4=06' 73' KA : 4.05' 86' 496=54 ; 0D' 79' 8' =749' 73' .20' 4 ; 48' B096 ' 75' 9IA5 ' 86' 375' .20' ; 0..05' 67A9D' 68F0 ' .20' <75D' 46' 6 : 0".' ; @' .20' 7"D' <54.056 1 600' :# , , *

054\794 ' 68@6' 8?05=8C :' M49' ' ' 6 ' :# N ' 86=54 ; 06' .20' =7498B0' 73' .246' D09854A6' .7' 84?4"4A6' .20' D4"0 ' 679' 73' %# 8I4CA6# A.' 84 89.' 503056' 4.' .7' : A54A6 ' .20' 679' 73' :# 85?4"4A6 ' <2760' 8B0' 8B5006' <4.2' .28.' 73' %# BA"94A6 ' 89D' # 05B4"4A6 ' 8 ; 7A.' .20' @085' A#' =# [a' 8AD' [, ' 9$ ' =# > [' 89D' > N*

A.' .7' <28.0?05' @085' 83.05' .20' =7CC09=0C09.' 73' .20' 64"?05' C49.' #7C0' .20' 8 ; 7?0' =749' 46' 50G 3058 ; "0 ' 4.' 46' 8' ?05@' 3490' 790 ' : 57 ; 8 ; "@' .20' <75F' 73' 67C0' &500F' 85.46. ' 375' 4.6' 6.@"0' 8AD' 38 ; 54=' 850' 6.54F49B"@' &50=489 ' @0.' #4==47 ' <27' 46' 098 ; "0D' 49' 246' <75F' .7' 8DD' 90<' 38C4"406' .7' .20' 7"D' "46. ' .8F06' 97' 97.4=0' 73' 85?4"48' B096# 20' ;54 C790@' 73' .246' 38C4"@' 850' .20' ' 75' 67C0' 73' 4.6 D4?464796*

' B096* 1 3' ."40' :"0 ; 0489'75D05 ' ; A.' 73' =796A"85' 589F ' .246' 38C4"@' D46.49BA4620D' 4.60"3' 86' 085"@' 86' .20' 8C94.0' <856# 20' "456.' C0C ; 05' 73' 4. ' :# 85?4"4A6 ' 7 ; .8490D' .20' =796A"624:' , ' □ ' > HN ' 28?49B' # 8 : 454446' A5675' 86' 246' =7""08BA0 ' 89D' 50=04?0D' .20' 98C0' 73' & ' ' <24=2' <86' .5896C4..0D' 86' 8' 38C4"@' =7B97C09' .7' 246' D06=09D89.6*EEEE 20' 8 ; 7?0' D09C4A6 ' 0557G 907A6"@' 49605.0D' ; @' 750"# 8C79B6.' .20' 07496' 73' .20' 854648' B096 ' 46' 54B2."@' 8664B90D' .7' .20' 85? 44 ' ; @' L054\794*

1 *1 08D' 73' KA : 4.05' 9IA5 ' ; 085D"066' 89D' "8A508.0D ' ; 0908.2' <24=2' 46' .20'$ =

6 EEEE ' ?S ' 1 / B ' J3JW{ M.54AC?456' 73' .20' C49.N# 20' 68C0' @7A9B' KA : 4.05 ' 27"D49B' 8' .2A9D05 ; 7".' 49' 246' 54B2.' 289D ' 6.89D6' BA4D49B' 8' 58 : 4D' SA8D54B8*

75' 67C0' 97.4=06' 73' KA : 4.05' 86' 496=54 ; 0D' 79' 8' =749' 73' .20' 4 ; 48' B096 ' 75' 9IA5 ' 86' 375' .20' ; 0..05' 67A9D' 68F0 ' .20' <75D' 46' 6 : 0".' ; @' .20' 7"D' <54.056 1 600' :# , , *

054\794 ' 68@6' 8?05=8C :' M49' ' ' 6 ' :# N ' 86=54 ; 06' .20' =7498B0' 73' .246' D09854A6' .7' 84?4"4A6' .20' D4"0 ' 679' 73' %# 8I4CA6# A.' 84 89.' 503056' 4.' .7' : A54A6 ' .20' 679' 73' :# 85?4"4A6 ' <2760' 8B0' 8B5006' <4.2' .28.' 73' %# BA"94A6 ' 89D' # 05B4"4A6 ' 8 ; 7A.' .20' @085' A#' =# [a' 8AD' [, ' 9$ ' =# > [' 89D' > N*

A.' .7' <28.0?05' @085' 83.05' .20' =7CC09=0C09.' 73' .20' 64"?05' C49.' #7C0' .20' 8 ; 7?0' =749' 46' 50G 3058 ; "0 ' 4.' 46' 8' ?05@' 3490' 790 ' : 57 ; 8 ; "@' .20' <75F' 73' 67C0' &500F' 85.46. ' 375' 4.6' 6.@"0' 8AD' 38 ; 54=' 850' 6.54F49B"@' &50=489 ' @0.' #4==47 ' <27' 46' 098 ; "0D' 49' 246' <75F' .7' 8DD' 90<' 38C4"406' .7' .20' 7"D' "46. ' .8F06' 97' 97.4=0' 73' 85?4"48' B096# 20' ;54 C790@' 73' .246' 38C4"@' 850' .20' ' 75' 67C0' 73' 4.6 D4?464796*

' ' %' ; 7C' 8.' 85E' ; 7990 ' 49' ""@54=AC' M75 ' 86' 67C0' 8A.2754.406' 50G :50609. ' 8.' 4"89N ' 8 ; 7A.' .20' @085' 73' #7C0' a H' ' ' >H N ' 73' 8' 38C4"@' 754B498""@' 357C' #7C0 ' 49' <2760' "4.058.A50' 20' <86' .2757AB2"@' ?0560D# 8?49B' B790' .257AB2' ?8547A6' =4?4" 89D' C4"4.85@' 73"4=06 ' 20' <86' =508.0D' 50.75489' 5030=.' ; @' 57G ; A6 ' <27' 20"D' 24C' 49' .20' 24B206.' 506 : 0=.' 375' 246' .8"09.6' 89D' : 57 ; 4.@# 9D' 67' CA=2' 28D' 20' 8=G SA450D' .20' "7?0' 73' .20' 67"D4056 ' .28.' 8.' .20' D08.2' 73' .28.' : 549=0' M ; @' .20' 289D6' 73' 246' 7<9' .577 : 6N ' 20' 8"790' <86' .27AB2.' <75.2@' 73' .20' 0C : 450 ' ; 7.2'

>' ' >

;@' .20' 85C@' 73' 8997948' 8AD' ;@' .20' 098.0# 0' 8?09B0D' .20' D08.2' 73' 57 ; A6 ' ' 609.' 246' 67A' 854996' 49.7' &8A" M600' : # , HN ' 89D' 28?49B' 24C60"3' 6A ; DA0D' .20' 85C8.4896 ' 20' "0D' 246' 375=06' 8B8496.' 858906' # ' 49B' 73' 05648 ' <27C' 28?49B' =79SA050D' # # > H ' 20' 866AC0D' .20' 6A598C0' 73' # 4=86 ' 86' 246' =7496' 8..06. ' 6 C0' 73' <24=2' 8"67' ; 085' .20' 6A598C0' 73' # 4=WW# 8C6' <86' .20' 3456.' 8C79B' .20' 0C : 05756' <27' 86 : 450D ' DA549B' 246' "430E.4C0 ' .7' ; 0' =8""0D' 8AD' <75624 : : 0D' ; @' .20' 98C0' 73' 4 ' 3.05' 8' 504B9' 73' 6=85=0"@' C750' .289' .<7' @0856 ' 28?49B' ; 0640B0D' 89D' .8F09' .064 : 279 ' 8' =4.@' 73' 66@548 ' 20' <86' F4 0D' ; @' "4B2.949B ' 75' D40D' 357C' 8' <7A9D ' 75' : 054620D' 357C' D460860 ' 9085' .28.' : "8=0' M375' <54.056' D43305' 79' .28.' : 749.N ' .20' > .2' 0=0C ; 05 ' '$ ' > >* 1 3' 246' <430' ') ' 89D' 246' 6796' ' 8AD' ' ' 600' .20' 506 : 0=.4?0' 98C06*

20' .4."06' 73' 8C6' 79' 246' =7496' 850' ! #' " ' ' 1 ' 4 1 1 8"67' # ' M75 ' N' # # *1 # ' ' # *1 ' ' 89D' 246' 679' 8549A6' 850' .7B0.205' =8""0D' " * ' ' 4 4 ?6' & # ' .20' =7496' 73' 8C6 ' B7"D' 64"?05 ' 89D' "85B0' ; 5866 ' 850' 5850 ' 67C0' 73' .20C' C76.' 5850# 4C' .245D' ; 5866 ' <4.2' =05.849' 0IG =0 : .4796 ' 850' =7CC79*

20' 37""7<49B' 850' .20' 58506.' 89D' C76.' 50C85FE' 8 ; "0' "0B09D6' 8AD' .@ : 06' C49.0D' DA549B' .246' 6275.' 504B9 / 1

< o / ' ' ! ' " * ' 08D' 73' 8C6* 1 6 1 1!" *! ' = ' 4=.75@' 79' B"7 ; 0' M?8"A0D' ; @' 47990.' 8.' , [' 35*N* 1 ' ' C : 0575' 79' 27560 ; 8=F' MD7# , ' 35*N 1 !" *! ' 1< ' (2 ' 4=.75@' <4.2' B85"89D' 8AD' ; A=F"05' MD7# , ' 35*N 1 ?4# ' # ' # 05=A"06 6.89D49B*EEEEE ' ' 89D' 3 ! ' 08D6' 73 8C6' 8AD' 246' 679' M?8"A0D' ; @' 47990.' 8.' > ' 35*N * ' oo! 1 1) * 1 8A508.0D' 208D6' 73' 8C6' 89D' 8549A6* 1 6 * 1 " o!' # o!"!.' ' 05679434=8.479' 73' .20' 37A5' 6086796*

" ' * / ' ' ! ' " * ' J ' 208D6* 1 6 * 1 A ; "4=' 0"4=4.@' M ' 35*N !* ' * 1 8C0' "0B09D ' 89D' <4.2' .@ : 0' 73' .20' A9' 89D' 8C6' MH ' 35*N

20' 9AC46C8.4=' 208D' 73' ' ' 46' 04.205' "8A508.0D ' 75' 58D48.0D ' <4.2' .20' 77 ' 79' .20' 627A"D056 ' 75' .20' ' 79' .20' ; 5086. ' 75' 20"C0.0D' 89D' 58D48.0D' 8.' .20' 68C0' .4C0# 20' 68C0' 0C : 0575' 46' "4F0<460' 6009' <4.2' "8A508.0D' 208D ' 89D' ; A6.' 86' 385' 86' .20' ; 5086. ' 27"D49B' 8' 6=0 : .50' 49' 246' 54B2.' 289D ' 8' B"7 ; 0' 79' <24=2' 6.89D6' 8' ' 49' 246' "03.# 9' 7.205' =7496' 20' =85540 6' 8' 6 : 085' 79' 246' 54B2.' 627A"D05 ' 89D' 79' 246' "03.' 85C ' 8' 6240"D' 73' 6F4"3A"# <75FC89G 624 : *

' & *1 9' .20' 7 ; ?0560' 73' 2' D09854A6' 73' .20' 05? 48' B096 ' ; 08549B' .246' "0B09D' 46' .20' 208D' 73' 0 : .A90 ' "8A508.0D' 89D' ; 085D0D' ; 0249D' <24=2' 46' 8' .54D09.* 1 6 * 1 $* ' ! #' ' 4=.75@' <49B0D ' 89D' ="7.20D' 49' 8' "79B' ?06.G C09. ' <8"F49B' 79' 8' ; 57F09' 6=0 : .50 ' 27"D6' 8' : 8"CE ; 589=2' 506.49B' 79' 205' "03.' 627A"D05 ' 89D' D46 : "8@6' 49' ; 7.2' 289D6' .<7' :40=06' 73' 34""0. ' 75' D48D0C0D' 54 ; ; 89D ' 7 : 090D' <4D0* 1 00' 05?4"48' B096*

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28D =8554OD <4.2 B508.'60?054.@8B8496.'.<7 06.8"6 =285B0D <4.2 C46=79DA=.' <24"6.' 20 <86 .54;A90 49 .20 @085 73 #7C , 9$ " ,H N# 20 ?860 46 .20 A59 D06.490D .7 50=04?0 .20 .8;"0.6 79 <24=2 790 73 .2060 .<7 "0..056 <86 <54..09* 1 00 =F20"' ?# , 1 600 8"67 $ oo

9 897.205 D09854A6 73 .246 38C4"@' .20 .0C :"0' 86 49 .20 :50=0D49B =749' 8:.0856 79 .20 50G ?0560 ';A.' 496.08D 73 .20 208D 73 06.8*.28.' 73 4;05.@ 9o!$ * A 46 D0:4=.A50D 79 .20 7;?0560' 86 8 @7A9B 30C8"0*

=# 64# # # 08D 73 4;05.@ <4.2 D0=758.0D 2845 085E549B6 89D 90=F"8=0* 1 8 *1 '6:4 #* 20 "4.AA6 89D .20 :54=3054=A"AC* 1 85F0D * * * * ';@ 4==C M:# [N <27 ?8"A06 4. 49 B7"D 8.' H :486.506*

246 89D 60?058" 7.205 =7496 <050 6.5A=F 2@ 8496 8664A6 79B49A6 =7CC79"@ =8""0D ' 0 1 98C0D 79 =7496 73 .20 86648 7590"48 89D 05?4"48 38C4"406 =# " !' ! # 1 " !' < / 4 '('4 M:57E=796A"N# 0 <86 ;7C 49 <28.' <86 8"<8@6 50B85D0D 86 790 73 .20 C76.' D46.49BA4620D 38C4"406 73 #7C0 4.' 46 97.' 684D 49 <28.' @085 8?49B 7490D 7C:0@ 8B8496.' 40685 20 37AB2.' A9D05 .20 75D056 73 .20 375C05 8.' .20 ;8.."0' 73 "48568"48 49 .20 @085 73 #7C0 9$ " ' N* 1 00 8 97.4=0 73 246 3A5.205 =85005;0"7<*

20 #.AA6 89D 68=5434=48" ?860 79 .20 50?0560 73 .246 D09854A6 5.305 .7 .20 8ABC?8" :5406.277D 73 09.A"A6 :49.05 <27 83.05 .20 CA5D05 73 .20 4=.8.75 7:09"@ D0="850D 24C60"3 8:85.4689 73 .20 =796:458.756 89D <209 58.A6 89D 86G 64A6 .77F .20 340"D 20 7490D .20C 89D 49 .2045 98C0 =7490D C790@ <4.2 .20 0334B@ 89D "0B09D 73 4;05.@ 86 46 6009 2@ .20 D09854A6 8;7?0 09B58?0D# @ .20 8ABA58" 4964B948 79 64"?05 =7496 73 ABA6.A6 49 <24=2 .20 98C0 73 09G .A"A6 8::0856 4.' 46 8"67 0?4D09. 97.' 79"@ .28.' 20 06=8:0D D08.2 83.05 .20 =4?4" =793"4=.' 8.' 24G "4::4 2A.' .28.' 20 <86 8"4?0 $ '=" > ' <209 =.8?489 866AC0D .20 98C0 73 0I=A64?0 D46G .49=.479 89D 2797A5* 1 00 . 3 $' 4 '6 * ' ' '2@ 5# C4.2 44# H,* 9 8 64"?05 =749 73 .246 38C4"@ <0 600 79 790 64D0 .20 ;850 208D 73 8 @7A9B C89 <4.2 "79B 2845 89D ;0249D 4.' 8 6=0:.50# 9 .20 7.205 64D0 89 08B"0 6.89D49B 79 8 .2A9D05;7".' ;0.<009 .20 "4.AA6 89D .20 :5603054=A"AC ' <4.2 "0B09D 73 %# *

9 7::764.479 .7 385E30.=20D 89D "066 :57G ;8;"0 7:494796 73 .20 085"405 89.4SA85406 =F20"# :749.6 .7 .20 + .20 $ 89D .20 0 86 A9SA06.4798;"0 89D 0I="A64?0 8..54G ;A.06 73 KA:4.05 89D 620<6 7.205 B77D 5086796 375 =79="AD49B .28.' .246 =749 73 %A49.A6 8664A6 <86 6.5A=F 49 2797A5 73 .20 @7A9B K7?0* 1 ?# :# , *

*

, a

9 8 5850 D09854A6 73 .246 38C4"@ .20 98C0 89D C4"4.85@ .4."0 73 .20 68C0 =# " ! 286 375 4.6 7;?0560 .@:0 8 .54:7D ' <4.2 4.6 ' M75 =8A"D579N 89D 8 "4.."0 90.E<75F :"8=0D A:79 4.# 20 50?0560 0I24;4.6 .20 #.AA6 89D :5803054E =A"AC ' <4.2 .20 "0B09D o o ' *! ' 86 49 .20 3750B749B 0I8C:"0*

2060 .@:06 28?0 B4?09 5460 .7 CA=2 4C8B498G .4?0 6:0=A"8.479 8C79B 9AC46C8.46.6 73 .20 0"D05 6=277"' ;A.' 4.' D706 97.' 8::085 .28.' .20@ 50G 305 .7 89@ 7.205 6A;0=.' .289 .20 494.48.479 73 # 8664A6 49.7 67C0 75D05 73 .20 #7C89 :5406.277D* 1) *1 08D 73 06.8 ?04"0D ';03750 4.' 75 67C0 467"8.0D "0..05 73 .20 8";28;0.* 6 *1 & '"44?4#' C89 28;4.0D 49 .20 .7B8 27"D49B 49 246 "03.' 289D 8 6=0:.50 75 6275.' 6.8.3 89D 49 .20 54B2.' 289D 8) 75 ?7.49B ;4""0.' 79 <24=2 46 496=54;0D .20 "0..05 M86 B4?09 49 ' * 6 89D 49 .20 37""7<49B =A.N 1 ;03750 .20 C89 46 .20 75 ;86F0.' 375 D0:764.49B .20 6A3344 0 .8;"0.6*

#4==47 =7964D056 .20 "0..05 79 .2060 89=409.' =7496 .7 C089 <24=2 <86 .20 <75D A.G .050D ;@ .20 .54;A90 73 .20 +) 49 7::764.479 .7 67C0 "8<' :57:760D ;@ .20 97;"06 75 ;@ .20 098.0 8B8496.' .20 :"0;6 .7 :50?09.' 4.6 .8F49B 0330=.# A=4A6 8664A6 7;.8490D .246 :7#.4=8" :54?4"0B0 375 .20 :07:"0 73 #7C0 89D 49 =7CC0G C758.479 73 .20 0?09.' 246 D06=09D89.6 6.5A=F .20 :50609.' =749 <24=2 0I24;4.6 .20 .54;A90 8;7A.' .7 D0:764.' .20) 73 4924;4.479 1 8?0D794 79 .20 7.205 289D 46 73 7:49479 .28.' .20 684D .@:0 286 5030509=0 .7 .20) <2050;@ T .20 :7<05 89D <04B2.' 73 ?7.06 <86 6.509B.209G 0D*U 0 50B85D6 .20 "0..05 86 .20 494.48" 73 <24=2 375C8" <75D 6.77D 375 .20 57B8.4796 7) / 79 58.' "086.' 73 6 ;049B A9D05.77D# 5 0"60 4.' C8@ 50305 .7 89G 7.205 "8<' ?4\" T .20 0I' 86648 <24=2 =79345C0D .20 6A3358B06 73 .20 :07:"0 79 AD4=48" SA06.4796*U

246 8664A6 79B49A6 46 A44F97<9# 20 =7496 850 =79.0C:758907A6 <4.2 .20 "86.' @0856 73 .20 3500 50:A;"4=# =F20"' "77F49B .7 .20 208D 73 06.8 79 .20 7;?0560 73 .246 D09854A6 46 D46G :760D .7 8664B9 4.6 C49.8B0 .7 .20 %A49.A6 86G 64A6 8"508D@ C09.4790D ';A.' .20 6.@"0 73 .20 =749;549B6 4.' .7 C790@056 73 8 D4330509.' 8B0* =# ' # 0C8"0 208D "8A508.0D* 1 6 *1 # 4 5?6' O &' 20 8:"A6.5AC* 1 9 B7"D ~?8"A0D;@ #4==47 8.' > ' :486.506* 8C0 "0B09D 89D .@:0 86 .20 :50=0D49B* 1 6 *1 # ?C?6' O &' 058;' <24=2 27"D6 .20 8:"A6.5AC 49 4.6 ="8<6 ;0"7<4.' 850 8 3"7<05 89D 8 D48D0C*

206 89D ?8547A6 7.205 =7496 50"8.0 .7 8496 8664A6 .20 =2403 =796:458.75 8B8496.' 89D 3750G C76.' 49 .20 CA5D05 73 KA#A6 =0685 , 9$ " ' N# 0 50=04?0D .20 V.4."0 73 + 83.05

.20' D0308.' 73' .20' #27D4896' 35409D6' 73' .20' .54AC6 ?456 ' <209' 20' <86' ; A.' A6.' 50.A590D' <4.2' 246' 375=06' .7' 85D46# 9' =7C ; 498.479' <4.2' 5A.A6 ' 20' "0?40D' 8' 375C4D8 ; "0' 85C@ ' 89D' 0SA4 : : 0D' 8' 3490' 3"00. ' ; A.' 8".279 52' 20' <86' =79SA0575' ;@' 608' .20' .54AC?456' .7.8""@ ' D0308.0D' 24C' ;@' "89D' ' 89D' 8664A6' 6"0<' 24C60"3 ' 75' <86' F4""0D' ;@' 246' 7<9' 3500DC89' ,>' 9$ ' " ' >N ' 97.<4.26.89D49B' .20' <49B' 73' .20' 85C@ ' <24=2' 5A.A6' =7CC89D0D' 8.' 24"4 : : 4 ' 28D' B8490D' : 766066479' 73' .20' 090C@L6 =8C : *

20' 208D' 73' 4 ; 05.@' 49D4=8.06' .28.' 8664A6' 89D' .20' 506.' 73' .20' =796 : 458.756.' 28D' 357C' .20' .4C0' 73' .20' 866866498.479 ' D8.0D' .20' 8==066479' 73' 2 ; 05.@' .7' .20' : 07 : "0' 73' #7C0*

20' 8 : "A6.94C ' .28.' <49B0DE"4F0' 7598C09.' 73' 8' 624 : L6' 6.059 ' 46' .20' =7B94\89=0 ' 75' C85F' 73' .20' : 07 : "0' 73' #27D06 ' 89D ' : "8=0D' 79' .246' D09854A6 ' 4.' 8""AD06' .7' .20' 7?05.257<' 73' .20' C854.4C0' : 7<05' 73' .28.' 46"89D' ;@' 8664A6*

#' .20' 679' 73' @9D85A6 ' F49B' 73' 8=7948 ' 75 ' 8==75D49B' .7' 38 ; "0 ' 73' KA : 4.05' ;@' 0D8 ' 89D' .<49' ; 57.205' 73' 7""AI*1 00' 476=A54* #*1 ' C8"0' 34BA50 ' 28"3' 98F0D ' 6.89D6' 27"D49B' 8' 27560' ;@' 8' ; 54D"0 ' 75' 28".05 ' <4.2' 246' 54B2.' 289D ' 89D' 49' 246' "03.' 8' 6 : 085*

P l246' "0B09D' 89D' .@ : 0' 8 : : 085' 79' 64"?05 ' 89D' 3456.' 89D' 60=79D' ; 5866 ' =7496' 73' &0.8 ' 6.5A=F' 49' =7CC0C758.479' 73' .20' 45=096489' B8C06 ' =0"0G ; 58.0D' A9D05' 0?05A6* 1 4 *' 46' 8' 97?0"' D0?4=0' 49' .20' 4C : 0548"' C49. ' .27AB2' 73' ?05@4 89=409.' D8.0' 79' 796A"85' =7496# 9' .2760' 49' SA06.479' .20' .@ : 0' 8""AD06' .7' .20' # + ' - ' <27 ' "4F0' 86.75 ' : 5064D0D' 7?05' .20' 0SA06.5489' 6 : 75.6' =8""0D' 7 ' .7' <24=2' 5030509=0' 6' 0"60<2050' C8D0# 28.' .20' 0105=460' 73' 27560C89624 : ' <86' : 0=A"485' .7' 86.75 ' 86' KNAB4"46C' <86' .7' 7""AI ' 46' 8==50D4.0D' ;@' 97' "066' 085"@' 89' 8A.2754.@' .289' .28.' 73' 7C05 ' <27' 49' .20' 2@C9' .7' .20' 476=A54 ' # H ' 68@6 ' T' ' ' .20' ' 2' 89D' C750' ="085"@' 49' .20' 1 3 3' ; 77F' I4# ?# >a 1 ' T' 7.2' 86.75' .20' .8C05' 73' 6.00D6 ' 89D' 7""AI ' 0I : 05.' <4.2' 246' 346.6*U

' .20' 7.205' : 70.6' 28?0' 86=54 ; 0D' .7' 86.75' .20' =2858=.0546.4=' 73' 6F4"3A# 0SA4.8.479*1 207G =54.A6 ' 3 ' I I ?44# : # , H ' .2A6' 0I : 506606' 24CG 60"3 ' T 200' 86.75 ' ' <4"" 649B ' 679' 73' "@9D85A6 ' 89' 8D574.' 54D05' 73' 275606 ' 89D' C76.' D0I.057A6' 49' 289D"49B' .20' "89=0*U 1 758=0' M44# ' 4# ?# > N 68@6/ 86.75' B8AD0.' 0SA46 ' =*

6' 0.8L6' =749' 73' " *' : 50609.6' 2A.' 89' A9="8664=8"' 89D' D4C49A.4?0' B57A : ' 73' C89' 89D

27560 ' 4.' 286' ; 009' D00C0D' : 503058 ; "0' .7' 60"0=.' 375' f"A6.58.479' 73' .20' 6A ; 0=.' .20' 50?0560' 73' 8' ; 5866' C0D8""479' 6.5A=F' A9D05' # A50"4A6*

1) 1 4?6' #' &# 4"'# ' 850' 208D' 73' 8 5=A6' A50"4A6*

/ F * ' # ' !! ' ~ ' !! ' 86.75 ' <4.2' .20' =2"8C@6' .257<9' ; 8=F' 357C' .20' 3579. ' 6.89D6' 506.49B' 246' 54B2.' 289D' 79' .20' 90=F' 73' 246' 27560 ' 89D' ; 7"D49B' 8' 6 : 085' .5896?0560"@' 49' 246' "03.*

20' : 50=0D49B' =A.' 46' =7 : 40D' 357C' 89' 09B58?49B' : A ; "4620D' ;@' 8' =0"0 ; 58.0D' =79.4909.8"' 89.4SA85@' 89D' =7997466 0A5 ' <27' 6.8.06' .20' 754B498"' .7' 28?0' ; 009' 49' .20' : 7866647 9' 73' 9758.7' 8=.897 ' 89' .8"489' 97 ; "0C89 ' 89D' 4.' 46' 620<9' .7' 50 : 50609.' 86.75' 49" 89' 8..4.AD0' : 0530=."@' 64C4"85' .7' .28.' 0IG 24 ; 4.0D' 79' 8' 50C85F8 ; "@' 3490') ' $' : 50605?0D' 49' .20' 8 : 4.7"' 8.' #7C0*1 00' ' ' = ' ' ? ' : 85' # # 46=79.4' 4"89' 0D4.479 ' ?7# , >>' 89D' =7C : 850' $ ' 8' 4# <4.2' # 4I # 8' : # ' 0.' 60S*

84""89.' M49' ' ++ ' # ' # ' # 444# : # , H N <86' .20' 3456.' .7' 97.4=0' .246' B589D' 89D' 49.0506.49B' =749 ' ; A.' 20' 286' 498==A58.0"@' D0G 6=54 ; 0D' 4.*

20' 208D' 73' ' ' <4.2' 8' 6.85' 7?05' 4. ' 8 : G : 0856' 79' D098544' 73' .20' 89SA4948' 89D' 8"0548' 38C4"406*

EEEE ' =8C : ' 75' 09.509=2C09. ' 49 <24=2' S9' 85C@' "7DB0D 1 57C' <27C670?05' .20@' "0859. ' 75' : 0530=.4798.0D' .20C60"?06' 49 ' .20' 85.' 73' 375.434=8.478 ' .20' #7C896' =796.5A=.0D' .2045' =8C : ' 49' 8' 6SA850' 375C' ' 89D' 8.' 08=2' 38=0' .2050' <86' 8' B8.0 ' 67' .28.' .2050' <050' 79"@' 37A5 ' 89D' 08=2' 28D' 8' : 85.4=A"85' 98C0# 6' 6779' 86' .20' 85C@' 8554?0D' 79' .20' B57A9D' <2050' .20' =8C : ' 28D' ; 009' C85F0D' 7A. ' .20' 67"D4056' ; 0B89' ;@' C8F49B' 89' 09.509=2C09. ' .246' : 50=8A.479' <86' 49?8454E 8 ; "@' .8F09' .7' BA85D' 8B8496.' 6A5 : 5460# 20' 09G .509=2C09.' =79646.0D' 73' 8' 376 0' 75' D4.=2' 73' 34?0' 300.' <4D0' 89D' .2500' D00 : ' 357C' <24=2' .20@' .250<' A.:' .20' 084L2' 79' .20' 64D0' 73' .20' =8C : ' 49' 75D05' .7' 375C' 8' F49D' 73' 58C : 85. ' <24=2' .20@' =7?050D' <4.2' .2A3 ' 89D' : "89.0D' <4.2' : 8"468D06' <209' .20' 49.09.479' <86' .7' 50C849' ; A.' 8' 94B2.' 75' .<7 ' <24=2' .20@' =8""0D' 8' "7DB0C09.# A.' 43' .20@' =79.0C : "8.0D' 8' "79B05' 6.8@' .20@' DAB' 8' D4.=2' 73' 8 ; 7A.' .<0""?0' 300.' 49' <4D.2' 89D' : 57 : 75E .4798 ; "@' D00 : ' ; 0249D' <24=2' 8' 58C : 85.' <86' 58460D ' C8D0' 73' 085.2 ' <4.2' 386=4906 ' 89D' 7?050D' <4.2' .A53 ' 3"89F0D' <4.2' .7<056' 8.' 50BA"85' 49.05G ?8"6' 73' 04B2.@' 300.' D46.89=0' 357C' 08=2' 7.205 ' 89D' 8==7C : 8940D' <4.2' : 858 : 0.6 ' 3A594620D' <4.2' "77 : E27"06 ' 49' .20' 68C0' <8@' 86' .20' <8""6' 73' 8' .7<9# 246' <86' =8""0D' ' ' 75' 8' : 4.=20D' =8C : # 209=0' =8420' .20' D46.49=.479' 73' ' 3) ' 75' <49.05' SA85.056 ' 89D' ' 6ACC05' =8C : 6# 209=0' 8"67' .20' 0I : 50664796' + ' ' ' ' .7' 64B943@' .20' 3456.' 75' 60=79D' D# @L6' C85=2 ' <24=2' <86' A9D05G 6.77D' 73' =8C : 6' 375C0D' 375' .20' 94B2. ' 75' 73' 6ACC05' =8C : 6 ' <24=2' <050' CA=2' "066' 375.4340D' .289' .2760' 73' <49.05 ' <24=2' <050' 375' 5064D09=0# 9D' 86' .20' =79375C8.479 ' D4C0964796 ' 89D' 49G .05475' 85589B0C09.6' 73' 8' 6ACC05' =8C : ' <050' 8"G <8@6' .20' 68C0 ' 67' .20' 67"D4056' F90<' 8.' 79=0' 49' <28.' : 85.' .2045' .09.' <86' .7' ; 0' : 4.=20D ' <24=2' <86' D790' A9D05' .20' 496 : 0=.479' 3' .20' .54 ; A906*

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A. ' 8".F7AB2' .20' 5A"06' 375' 375C49B' .20' #70 C8A' ' <050' 6A=2 ' D7A; ."066 ' 86' <0' "0859' 357C' 89=409.' <54.056 ' @0.' 357C' 0I8C498.479' 73' .20' 50C8496' 73' 60?058"' <24=2' 850' @0.' .58=0D ' 4.' 46' :57?0D' .28.' .20' 50BA"85' 6@6.0C' 73' 375.434=8.479' <86' 73.09' D0 : 85.0D' 357C ' 89D' .28.' .20' 09=8C : G C09.6' <050' 8D8 : .0D' .7' .20' "7=8"4.406*

75' 97.4=06' 89D' D0.84"6 ' 3A"'" 89D' : 85.4=A"85 ' 8.' 79=0' =A547A6' 89D' 496.5A=.4?0 ' 73' 8"'" .28.'50"8.06' .7' .246' 49.0506.49B' C4"4.85@' 6A; 0=. ' 600' A' 27A" ' . ' ' ' ' = ' ' ' 6 0

1 00' 8"67' 8' "0859OD' 89D' 6=409.434=' 4"'"A6G .58.479' 73' .20' 68C0' 6A; 0=. ' 49' .20' . 3' $' 4 ?' ' 6 ' 0 ' 0D4.0D' ; @' (' C4.2 ' * *

' ' 6 1 50.7548A' 8C : *▯▯▯ 246 <8'6 8' "85B0' 09="76A50' 73' ; A4"D49B6 ' <24=2' 605?0D' 86' ; 8558="=6' 375' .20' 67"D4056' 73' .20' 4C : 0548"' BA85D' .' <86' SA8D589BA"85 ' 375.4340D' <4.2' <8"'"6 ' .7 < 056 ' 89D' D4.=206 1 8D7590D' <4.2' 8' .0C : "0 ' ; 8.26 ' 89D' 37A9.8496' 9' .20' =79SA050D' :57?49=06' M68@6 4"'"4A ' . ' ' * ' ' ⅝ ' .20' #7C C896' <050' 8==A6.7C0D' .7' 28?0' =7964D058 ; "0' ; 7D406' 73' .577 : 6 ' 89D' .20' B8554679 6' < 24=2' < 050' 6.8.4790D' 49' .7 < 96' 73' 4C : 75.89=0 ' 7==A : 40D' ; A4"DG 49B6' =8'"'"0D' ' #7C0' =79.8490D' <4.249' 4.6' <8'"'6' C89@' 0D434=06' 73' .246' F49D ' .20' 50=7'"'0=.479' 73' <24=2' 46' 6.4"'" : 50605?0D' ; @' .2045' 0I46.49B' 50G C8496*L0 20' C : 0575' 4 ; 054A6' <86 ' 4.' 46' 684D' .20' 3456.' <6' 27' 8.' .20' 496.4B8.479' 73' 246' C4946.05' 0 89A6 ' =8A60D' .2060' : 580.7548G' =8C : 6' .7' ; 0' =796.5A=.0D*1 4?@ ' 49' 8"'"AD49B' .7' .20' : 05C8909.' =8C : 6' 73' .20' #7C896 ' A606' .20' 0I : 5066479' q 7s ' 3 ' 49' 8"'"A6479' .7' .20' 85=24.0=G .A58"' 6.509B.2' 89D' CA58"' B589D0A5' 73' .2060' 6.8.4796*

20' 97 ; "0' 50C8496' 8.' #4=22757AB2 ' #0=A"?05 ' 89D' @C90 ' 49' ' 09. ' 8"67' 8.' 49B2 ' 9085' &508.' 85C7A.2 ' 850' 349~' 0I8C : "06' 73' .20' ' + ' ' 75' 3 ' 2060' 350SA09."@' 866AC0D' .20' 8 : : 08589=0' 73' 375.4340D' .7 < 96' ' 89D' 8' =79G 64D058 ; "0' 6 : 8=0' 7A.64D0' .20' <8'"'6' <86' 73.09' =7?050D' <4.2' 27A606*

==75D49B"@' <0' 600' 79' ?8547A6' =7496' 73' .20' "7 < 05' 0C : 450' M86' 79' .20' 8 ; 7?0' 09B58?49B' 357C' 8' D09854A6' 73' 796.89.4A6' *N' .20' : 50.75489' =8C : ' .@ : 4340D' 86' 8' =86."0' < 4.2' .7 < 056 ' 89D' 0C ; 8.."0D' =A5.849' < 8'"'6 ' ; 03750' .20' B8.0' 73' < 24=2 ' B09058'"'@' M.27AB2' 73.09' .20' 34BA506' 850' < 89.49BN' 6.89D' 8' B57A : ' 73' 67"D4056 ' .< 7' 79' 08=2' 64D0' 73' 8' .54 : 7D ' 68=5434=49B*

20' '+ ' 46' 350SA09."@' 50 : 50609.0D' 79' 6C8'"' ; 5866' = 7496' 73' 796.89.49A6' 8B9A6' 89D' 246' 38C4"@ ' 89D' .20' 5060C ; "89=0' 73' 4.6' 9 8 5G 57 <' B8.0 < 8@' .7' 8' : 76.059' 09.589=0' < 24=2' ' #78=2' C4.2' D46=7?050D' 8.' @C90' 46' 62C < 9' 49' :' > a' 73' 246' ; 77F' 79' .20' 9.4SA4.406' 73' .28.' :"8=0* 1 75' .@ : 06' 73' .20' 6 ' ' 600' 796.89.490' .20' &508.' <4.2' 50?0560' 73' # * ' !.

& * ,a,

' &' "67' 600' ! * ' !0 ! ' 73' 47="0.489 ' !" * ' * ! " ' 73' 8"' 8 I4C489A6 ' =* 1 75' .20' 3456.' 50 : 50609.8.479' 73' .20' : 50.75489' B8.0' 79' 8' = 749' 600' ! # * ' #@ E * 73' "8AD4A6*

#' 75' # # ' c $ (' 8A6.498 ' .20' <430' 73' ' A50"4A6 L 89D' KA"48' 7C98 ' <430' 73' ' 0?05A6 ' 850' .2A6' =8'"'0D' 79' 67C0' 5850' 6 : 0=4C096' 73' .2045' 506 : 0=.4?0' =7496* 1 ' 00' # # * ' 6A598C0' 73' .20' 75=48' B096*

* 1 00' 09A6*

' M 8558=790A646N' ' 97 <' =8'"'0D' + ' .' <86' 8' =4.@' 73' .20' " 05B0.06 ' <2760' 4928 ; 4.89.6' <050' =8'"'0D' 0"609606' 246' ?05@' 89=409.' : "8=0' <86' 64.A8.0' 9085' .20' ; 57' .6' 9AC46C8.4=' D064B98.479' 46' =' 75' " o ' ' ! ' 42 ' " ' ' ' - ' ' % 1 20' =7496' 73' .246' =7"79@' =79646.' 73' 0".4 ; 05489' 89D' ; 4"49BA8" 8A.797C06' 49' ; 5866 ' 89D' 73' ' 4C : 0548"' 4A' 3456. ' 60=79D' 89D' .245D' ; 5866 ' 73' ABA6.A6' B54 : : 8 ' 89D' 4 ; 054A6' .6' 98C0' 73' - ' 49D4=8.06' .20' 37A9D05' .7' ; 8?0' ; 009' KA"4A6' r685' 49' 2797A5' 73' <2760' ?4=.75406 ' 4.' : 57 ; 8 ; "@' M68@6' 84"'"89.N ' 50=04?0D' .20' 8DD4.4798" 8 : : 0"'"8.479' 73' ' 3' .2760' 6.5A=F' A9D05' ABA6.A6' 790' MO9B58?0D' 49' .20' = ' ' ' ⅝' ; 0856' 79' 4.6' 7 ; ?0560' .20' ; 850' 208D' 73' .28.' 0C : 0575 ' <4.249' 8' =57 < 9' 73' "8A50" ' 8'"'A64?0' MZV84"'"89.' 6A : G : 7606N' .7' .20' 64B98" 6A==06606 ' 8=240?0D' ; @' .20' 8D7 : .0D' 2045' 89D' 6A==06675' 73' KA"4A6' 7?05' .20' ') ' 89D' ' <27' .209' 7==A : 40D' .28.' 975.2059' : 85.' 73' 46 : 8948 ' 97 <' =8'"'0D' .20' 6.A5486" 20' 50?0560 6' 73' .20' 0"6489' 4C : 0548"'6' 0I24 ; 4.' 375' .20' C76.' : 85.' 8' * ; A'"' 6.89D49B' .20' A6A8" 64B9' 73' 8' #7C897E : 89462' =7"79@' 89D' 850' 496=54 ; 0D' 8==75D49B' .7' =A6.7C ' <4.2' .20' 98C06' 73' .20' AAC?454' <27' =8A60D' .20C' .7' ; 0' 6.5A=F" 1 2050' 46' 27 < 0?05' 8' 50?0560' 73' B54 : : 8 ' < 4.2' .57 : 2@' 89D' ; A=F"056' 89D' 8' 4 ; 054A6' <4.2' .20' 64C : A"AC ' 60=A546' 86 : 05B4"'"AC ' 89D' 8 : 0I * 1 5" F05C89 ' 49' 246' ' ' $' ' ' =" 286' B4?09' 89' 09B58?49B' 73' 790' 73' .20' 8A.797C06 ' <4.2' 8' 20"C0D' 27560C89' ; 08549B' 8' : 8"C' ; 589=2 ' M : 4" 4I" 7" H*N

' 75' * 1 ' ' 86' 46' 350SA09."@' 508D' 49' .20' 4C : 0548"' .4."06' 73' 06 : 86489 ' 4.A6' 89D' 7C4.489" 9' .20' =860' 73' 06 : 86489' <0' 600' .246' =09675624 : ' 7490D' ' <4.2' 246' .245D' 89D' 37A4D2' =796A"624 : ' ?4\" ! # ' " ' # ! ' & ' # ' " : " : " =76" " 9 *A 1 =76" 4445" "

" * 75' #" 8"67' # " 8"67' #E' * 1 ' ' # + 1 .' 8 : : 0856' .28.' 7E' C4.48A' <86' .20' 3456.' 0C : 0575' 79' <2760' =7496' .20' : 05 : 0.A8" 866AC : .479' 73' .20' ' ' : 7 < 05' 46' 50=75D0D" 246' A9 : 50=0D09.0D' .4."0' 20' .77F' ' 9 ' ' N* 1 06 : 86489' 89D' 4.A6' <050' 49D0D' ' ' 73' .20' #7C89' 07 : "0' 2A.' 97.' D0=500D' .7' ; 0' ' # + 1 " ' # ' # ' ' 0 ' # + ' # ' # ' 46' 897.205' 9AC46G C8.4=' .4."0' 73' 7C4.489* 1 " ' # ' ' ' # ' 246' "4F0 < 460' 8 : : 0856' 79' .20' =7496' 73' 7C4.489 ' 49' 0?05@' C0.8" ' 8 : : 09D0D' .7' .20' 50=75D' 73' 246' , .2' =796A"8.0' ' < 205086' .20' : 7 < 05' 4.60"3' < 86' B4?09' .7' ABA6.A6' 24C60"3' 375' 34?0' @0856' 79"@*

,a> # * # *

* 096756 " ' % 1 2060 C8B46.58.06 ' .<7 49 9AC ;05 <050 =508.0D 49 .20 @085 73 #7C0 H, , 9s ' " ' HN ' <20A .20 =796A"6 ' D46.58=.0D ;@ =79.49A8 * <856 ' <050 A98 ;"0 .7 8..09D .7 .20 ' 75 9AC ;05G 49B 73 .20 :07 :"0 * 2045 0"0=.479 <86 :7 :A"85 89D .20@ 28D .<7 :549=4 :8 * 3A9=.4796 * 20 3456. =79646.0D 73 50B46.0549B .20 =4.4\096 89D .2045 :57 :05.@ * 20 60=79D <86 .7 .8FO =850 73 .20 :A ;"4= ;A4"D49B6 375 <2760 =79G 6.5A=.479 89D 50 :845 .20@ C8D0 .05C6 <4.2 .20 =79.58=.756 8"67 .7 "0?@ .8106 375 .20 605?4=0 73 .20 50 :A ;"4= 064D06 <2 4=2 4. <86 .2045 :0=A"485 :57?49=0 .7 =096A50 89D :A9462 0?4 * 89D 49D0=09. C899056 6A=2 86 .20 "8< .77F 97 =7BG 94\89=0 73 1 ;@ D0B58D49B .20 73309D056 43 60908G .756 89D F94B2.6 89D ;@ D463589=24649B .20C 43 =7CC79 =4.4\096 * 2060 C8B46.58.06 28D C7507?05 7.205 DA.406 .7 :05375C 6A=2 86 .7 75D05 .20 D46.54 ;A.479 73 <8.05 .7 .20 4928 ;4.G 89.6 73 .20 =4.@ 8==75D49B .7 .2045 90=0664.406 .7 6A:0549.09D .20 50:8456 73 ."40 :A ;"4= 6.500.6 89D 24B2<8@6 89D .7 F00: "AIA5@ <4.249 =05G .849 ;7A9D6* 1 00 4.46=A6 ' ' 6 ' 09675 46 .@ :4340D 49 24 ;" "79B 57 ;0 73 7334=0 6.89D49B <4.2 ?860 49 790 289D 89D "A6.4E8 * ;589=2 49 .20 7.205 79 8 =749 73 .20 76.AC48 B096 6.5A=F .7 =7CC0C758.0 .20 38=. .28. 76E .AC4A6 ";49A6 89D 8C4""A6 <050 .20 3456. 0"0=.0D 096756 73 #7C0*1 00 ' ' A. .20 C76. 4C :75.89. 3A9=.479 0105=460D DA5G 49B .20 50 :A ;"4=89 375C 73 B7?059C09. 8. #7C0 ;@ .20 09675 <86 .28. 73 =8A649B .20 =8?8"5@ .7 :866 49 50?40< ;03750 24C 0?05@ @085*1 ""A64?0 .7 .246 =050C79@ .2050 46 8 4D09854A6 <24=2 <4.2 .20 50?0560 "0B09D (' " * ' ' # ' 0124 ;4.6 .20 34BA50 73 8 67"D405 6.89D49B <4.2 38=0 .7 .20 3579. "=7.20D 49 .20 C4"4.85@ 68B4 C * 20 27"D6 <4.2 .20 54B2. 289D 246 27560 ;@ .20 ;4%D"0 89D 8 6:085 49 .20 "03. 79 .20 B57A9D 850 8 6240"D 89D 8 =A45866*

20 C76. =7550=. 86 <0" * 86 .20 085"406. 49.05:50.8.479 068@6 #4==47 : * ,> N B4?09 .7 .20 50?0560 73 .246 64"?05 * M749 46 .28. 4. 50:50609.6 8 #7C89 F94B2. 3A5846?0D <4.2 8" * .20 0SA4:C09.6 73 <85 MA9 =8?8"4050 #7C897 37594.7 D4 .9..4 B"4 859064 D4 BA0558N 49 3A" * :50G :858.479 .7 20 :8660D A9D05 .20 496:0=.479 73 .20 09675*1 00 4=4948 B096*

20 0C:05756 8. 3456. 8;6.8490D 357C .8F49B .20 98C0 73 ' ' 7 KA"4A6 4=685 49D00D 86 20 <86 . ' # + $ F3 .246 2797A5 <86 M86 479 49375C6 96N D0=500D ;@ .20 098.0 .7G B0.205 8C79B 7.2056 <4.2 .28. 73 6 $ ' ' ABA6.A6 D0="490D 357C :7"4=@ .20 :5730550D D4B94.@ 73 05:0.A8 * 09675 2A. 8=G =0:.0D 4. ?45.A8""@ A9D05 .20 98C0 73 ' ' # ' 86 .20 =09675624: <86 .246 6ACC4. 73 8" * 2797A56 * 20 89=409. A68B0 73 49?06.49B .<7 49D4?DA8"6 73 =796A"85 589F <4.2 .246 7334=0 <86 8;7"4620D A9D05 6A==00D49B 0C:05756 <27 04.205 0105=460D 4.6 8A.2754.@ .20C60"?06 75 D0G "0B8.0D 4. .7 7.2056*

R89204C M 5 * 44 * : * , ,N <4.27A. :57E DA549B .20 7;?0560 B4?06 86 .20 50?0560 73 8 B7"D =749 73 "8AD4A6 8 .@:0 <24=2 43 4. =7A"D 20 50=04?0D 86 B09A490 <7A"D 49 8 50C85F8;"0 C89905 605?7 .7 8..06. .20 =09675624: 73 .20 C:0575 "8AD4A6 375 4. 50:50609.6 24C 608.0D 79 8 =A5A"0 =2845 89D ;03750 24C 46 8 C8"0 34BA50 6.89D49B <27 27"D6 8 27560 ;@ .20 ;54D"0 <4.2 .20 "0B09D " * ' . 46 ."D6 :0528:6 ! <24=2 49 .20 ' 286 ;009 09B58?0D 89D 49605.0D 8C79B6. .20 C49.8B06 73 "8AD4A6 * =F20 M?4 * > >N C750 .289 6A6:0=.6 .246 D0?4=0 .7 28?0 ;009 75B0D 06:0=48""@ 83.05 .20 8==7A9. <24=2 A0.794A6 89D 8=4.A6 506:0=.4?0"@ B4?0 73 .249B6 8:05.84949B .7 .20 =09675624: 86 83.05 C89@ @0856 506.750D ;@ "8AD4A6 2060 <050 =7990=.0D <4.2 .20 496:0=.479 89D :86649B 7?05 73 27560C09 M8D 0SA4.A58 :57;8.4790C 0. .5896?0=.4790C N <24=2 <86 790 73 .20 3A9=.4796 73 .20 =09675624: 20 #7C89 =0 = 79 67C0 7==864796 28D .2045 275606 .8F09 8<8@ 357C .20C ;@ .20 096756 75 <050 =7C:0""0D .7 60"" .20C 1 75 89 0"A=4D8.479 73 .246 :7<05 86 754B498""@ 0105=460D ;@ .20 096756 73 89=409. #7C0 600 :89204C 89D 0 08A*E =0 8"67 D8C6 6 ' 0 A. 8".27AB2 .20 9AC46C8.4= .06.4C79@ .7 "8AD4A6L6 866AC:.479 73 .20 09675624: C8@ :50609. 4.60""3 49 .77 SA06.4798;"0 8 628:0 .7 ;0 4C:"4=4."@ .C00:.0D @0. .20 38=. 73 246 28?49B 8667=48.0D A=4A6 4.0""4A6 <4.2 24C60"3 49 .20 68C0 D4B94.@ 46 4""A6.58.0D ;@ .2500 5850 89D 8DC4..0D"@ B09A490 =7496 6.5A=F ;@ 75D05 73 .20 C:0575 4.0""4A6 679 73 .20 8;7?0EC09.4790D A=4A6 <27C .20@ ;549B ;03750 A6 86 796A * 375 .20 .245D .4C0 89D ' : .20 "8..05 .20 24B206. 7334=0 .7 <24=2 8 :54?8.0 49D4?4DA8 * 8C79B .20 #7C896 =7A"D 8..849 89D 6A=2 86 97. 79 "@ =79G 30550D D46.49=.479 79 24C60 "3 ;A. 8"67 0105=460D 89 4C:75.89. 493 "A09=0 79 .2=5475.A906 73 246 67A "DA6 86 50B85D0D 246 8C;4.47A6 86:458.4796 375 67?0504B9.@ 1 00 ;47B58:24=8 * 97.4=0 73 9o A ' 2045 C0.8"6 "0B09D6 89D .@:06 850 86 37"G "7<6 , * 6 1 * ' * " ' # 1 ' 08D 73 A=4A6 4.0""4A6 "8A508.0D 89D ;03750 4. 8 =796A"85 08B"0 1 1) 1 ' ! 00! ' & * ' * & # * : * 08D 73 4.0""4A6 .20 0CG :0575 1 9 B7"D 89D 64"?05* 9 .20 50?0560 73 .246 =749 M09B58?0D 49 F05C89 . + ' ' 4 :4 ? 7 [': , N 8::0856 .20 208D 73 .20 8;7?0E98C0D A=4A6 4.0""4A6 89D <28. C8@ 8::085 89 A9A6A8 * 7==A5509=0 49 .20 496.89=0 73 8 :54?8.0 49D4G ?4DA8" 4. 46 "8A508.0D 83.05 .20 C8A9=5 73 .20 0C:05756 * M 0= =F20"L6 508.460 79 .20 08DG D506606 73 .20 % 03750 .20 208D 46 :"8=0D 8 6=0:.50 6A5C7A9.0D ;@ 89 08B"0 .20 ;8DB0 73 796A"85 8A.2754.@* > * 6 1 0 00! ' " ' ! ' " * ' * 4.0""4A6 .7B8.0D 64..49B 49 8 =A5A"0 =2845 <4.2 246 54B2. 289D 01.09D0D 89D 49 246 "03. 8 =796A"85 08B"0 1 49 .20 :"8=0 73 8 377.E6.77" .20 :57<73 8 ?0660" * &"D 89D 64"?05 1 9B58?0D 49 ' ' + ' 44 * $ ' > 7 * >* 9 .246 =749 A=4A6 4.0""4A6 46 64..49B 49 .20 D5066 73 8 09675 * 6 50B85D6 .28. :75.479 73

2 624 : ' 79 <24=2 .20 300.' 73 .20' 34BA50 506. ' 89D 506 : 0=.49B <24=2 :50=0D49B =7CC09.8.756 28?0 B4?09 97 0I :"898.479 =F20 68@6 T @ =79G 0=.A50 46 .28.' 4.' 8""AD06 .7 .20 49 3579.' 3 ?.24=2 .20 098.0 050=.0D 8 6.8.A0 .7 .246 A=4A6 89D :57 ; 8 ;"@ .28.' 6.8.A0 50 : 50609.0D 24C 49 .20 68C0 B85 ; 86 D706 .20 34BA50 49 .20 =749 8 ; 7?0 D06=54 ; 0DU 1 ?4 : H, H*

7 : 49479 97.' CA=2 8.' ?85489=0 <4.2 .28.' 73 .2760 <54.056 ' <27 =7964D05 .246 =749 .7 ;0"79B .7 4.0""4A6 ') 73 A"A6 4.0""4A6 ' .20 0C : 0575 ' 375 20 .77 ' =2"0B0 68@6 ' <86 09675 A. ' A : 79 <2760 8A.2754.@ D706 20 C8F0 .246 86605.479 9D ' 0?09 43 <0 8DC4.' .28.' 20 20"D .28.' 7334=0 46 4.' 8"67 86=05.8490D .28.' 20 <86 & 09675 <24=2 8==75D49B .7 .2060 (54.056 .20 =749 .06.43406 (28.0?05 C8@ ;0 .20 38=. .2A6 CA=2 46 =05.849 .28.' 4.0""4A6 <86 09675 3 7 & : ' ; A. .20 "8..05 79 .20 C85 ; "06 B4?09 ; @ &5A.05 89D A58.754 46 =8""0D 49D00D 09675 @0.' <4.2 97 34BA506 8DD0D .7 620<' .28.' .20 7334=0 <86 20"D 8 60=79D .4C0 89D =7960SA09."@ 4.' 46 385 357C : 57 ; 8 ; "0 .28.' 4.0""4A6 07A"D 0?05 ; 0 D06=54 ; 0D 86 09675 , 3 .20503750 .246 9AC058 508""@ 7==A56 79 .20 =749 67C0 C0.27D CA6.' ; 0 D46G =7?050D 73 0I :"84949B 4.' <4.2 8 60C ; "89=0 73 : 57 ; 8 ; 4"4.@ 1 8=4.A6 " 14 >[N ' 0I : 5066"@ 6.8.06 .28.' "8AD4A6 ="760D .20 49 .20 @085 A =, 9 N 9D @0.' .20 68C0 8A.275 6275."@ ;03750 M=2 , HN 89D 479 M"I >aN 49375C 96 .28.' "8AD4A6 20"D .20 73 09675 49 .20 @085 :50=0D49B ?4 9 N 9D 4.' 46 .7 .246 @085 .28.' "49@ 8"67 503056 .20 =09675624 :' 73 "8AD4A6 49=0 .209 8"" .2060 <54.056 8B500 49 .20 6.8.0C09.' .28.' "8AD4A6 D46=285B0D .20 7334=0 73 09675 49 89D 86 8=4.A6 0I : 5066"@ 50=75D6 .20 ="7649B 73 .20 49 .20 @085 37""7<49B <0 CA6.' =79="AD0 .28.' .246 =09675624 :' =7CC09=0D 49 .20 @085 73 #7C0 ; A.' <86 04.205 49.055A : .0D 75 90B"4B09."@ D46=285B0D 89D 506AC0D 49 085906.' .20 @085 37""7<49B <86 ="760D <4.2 .20 67"0C 94.@ 8 ; 7?0 8""AD0D .7 1 A0.794A6 8 : .0856 .7 49 .4C8.0 .20 68C0 0I : "898.479 <209 C09.47949B .20 09675624 :' 73 "8AD4A6 20 68@6 1 T 20 8"67 ; 750 .20 7334=0 73 09675******** ; A.' .246 .77 A9 0SA8""@ <4.2 49=796.89=@ 73 C49D 89D 8548 ; "0G 9066 73 6A==066 MT 60D 289=' SA7SA0 49=0SA8"4.05 8547SA0 0.' 894C7 0.' 0?09.A*U 9 "4 ; ?*N .' CA6.' .20503750 28?0 ; 009 76.09.8.479 <24=2 49DA=0D A"A6 4.0""4A6 .20 679 .2A6 .7 D7A ; "0 .20 =09675624 :' 73 246 38.205 4.0""4A6 <205086 20 508""@ 20"D .20 7334=0 ; A.' 79=0*U .' <7A"D 600C 357C ; 0 .097A5 73 246 50C85F6 .28.' =F20 28D 97.' 6009 .246 50C85F8 ; "0 3456.' ; 5866 89D <86 49 67C0 D7A ; .' 73 4.6 0146.09=0 86 8 B09A490 89.4SA0 A.' ; 064D06 .20 790 SA7.0D 357C 8 : C@.2L6 =8 ; 490. ' .20 8 ; 7?0 <77DE=A.' 46 357C 8 6 : 0=4C09 49 .20 54.462 AG 60AC 89D C7507?05 ; 7.2 47990.' 89D F05E C89 3A""@ 50=7B9460 4.6 8A.209.4=4.@ 49 .2045 506 : 0=.4?0 D06=54 : .4796 73 #7C89 C : 0548 7496* 3.05 .20 .4C0 73 06 : 86489 89D 246 6796 .20 .4."0 73 46 97.' 37A9D 49 .20 4C : 0548 605406 20 # 27<0?05 =79G .49A0D 49 .20 289D6 73 .20 0C : 05756 2A6 8"05489A6 <24"6.' 86 @0.' 8 : 54?8.0 =4.4\09 28D .28.' 7334=0 D0"0B8.0D .7 24C ; @ 58 89A6 0=4A6 207D764A6 .20 &508.' 8..0C : .0D .7 50E06.8 ; "462 .20 09675624 :' <4.2 4.6 7"D 3A9=.4796 73 :' 2A.' .20 098.0 <050 7 : : 760D .7 4.6 50?4?8"' 89D 4.' 50C8490D .8=4."@ C05B0D 49 .20 ABA6.8 D4B94.?*

, a ' # * 1 ≠

* 246' 6A598C0' 04.205' 8 ; ,50?48.0D' 75' <54..09' 49' 3A"" ' 8 : : 0856' 79' =7496' 73' .20' 85=48' B096≠ .' 28D' 754B498""@' ; 009' 375 ; 4DG D09 ' 375' 89@' 790' .7' 34 ' .20' 7334=0' 73' 09675' C750' .289' 79=0' 49' 246' "430 ' A9.4"≠ .20' @085' 73' 7590' ' 9$ ' " ' > N ' <209' 8' "8<' 8 ; 57B8.49B' .20' 7"D' 506.54=.479' <86' =85540D' ; @' ≠ 85.496' A.4"A6 ' <27C' .20' : 07 : "0' <46 20D' .7' 0"0=.' 09675' 8' 60=79D' .4C0 ' 89D' .7' <27C' 49' =7960SA09=0' <86' B4?09' .20' 6A598C0' 73' 096754996*

9' 8' 5850' 3456.' ; 5866' 73' .20' 68C0' B096 ' .20' 50?0560' 286' 375' "0B09D' 7≠ $ " ! " ' $ ' <4.2' .20' .@ : 0' 73' .<7' : 57<6' 73' 624 : 6 ' 79' 7.2056' D58<49B' .20' =28547.' 73' 67C0' : 8B89' D4?494.@≠ 9' 8' D09854A6' 73' .20' A50"48?B096' M600' : ≠ " " N ' 05=A"06' 6.89D49B' 49' 8' =85' 46' D58<9' 8.' 3A"" 6 : 00D' ; @' .<7' =09.8A56 ' 08=2' 73' <27C' A : "43.6' 8' ; 589=2' 49' 246' 54B2.' 289D*

246' 46' ="8660D' <4.2' 7.205' =7496 ' =7964D050D' .7' 28?0' ; 009' 6.5A=F' ; @' 8504A6' 096754996 ' 0 ') ' '+ ' 73' .20' @085' H' 9$ ' " ' a , N ' 89D' 8' "4.."z' ; 03750' .28.' .4C0' 8' C790E' .8"≠ .54AC?45≠ 20' 97 ; "0' 38C4"@' 73' 85=48' .58=0D' .2045' D06=09.' 357C' .20' .<7' F49B6' AC8' 89D' 9=A6 ' 89D' ≠ 8504A6' 096754996' .2A6' .8F06' 7==86479' .7' : 05 : 0.A8.0' .20' 50C0C ; 589=0' 73' 246' 89=06.58"≠ B508.9066' 89D' 89.4SA4.@* 1 00' 85=48' B096*

1 .20' 9AC ; 0549B ' <24=2' .20' 096 6756' C8D0' 73' 0?05@' #7C89' =4.4\09 ' .20' ?8"A8.479' 73' 246' 06.8.0 ' .7B0.205' <4.2' .20' 50B46.0549B' 73' 24C60"3 ' 246' @0856 ' .54 ; 0 ' 30C4"@ ' : 573066479 ' <430 ' =24"D509 ' 89D' 605?89.6≠ 246' : 57=066 ' 496.4.A.0D' ; @' ' 49B' 05?4A6' A""4A6 ' <86' B790' .257AB2' 0?05@' 34?0' @0856 ' 89D' .20' 49.05?8"≠ 73' .4C0' <86' =8""0D' ' 79' 8==7A9.' 73' 89' 01G : 48.75@' 68=5434=0 ' D097C498.0D' "A6.58.47 ' <24=2' .20' 096756' : 05375C0D' 86' 8' : A5434=8.479' 73' .20' : 07 : "0"≠ 246' .77F' : "8=0' 83.05' .20' 50B46.58.479' <86' 3494620D ' 89D' <86' .05C0D' ' ' =" 7649B' .20' A6.50≠ A=2' <86' .20' 75D05' 73' .249B6' DA549B' .20' 0146.09=0' 73' .20' 50 : A ; "4=≠ A. ' <209' ABA6.A6' 8..8490D' .20' 0C : 450 ' 89D' =289B0D' .20' 375C' 73' B7?059C09. ' 20' 6A : : 50660D' .20' 89=409.' C0.27D' 73' =7""0=.49B' .54 ; A.06 ' <24=2' 28D' ; 0=7C0' 89' 496.5AC09.' 73' 8?854=0' 49' .20' 289D6' 73' 50.756' 89D' 57E=796A"6 ' 5A"49B' 49' .20' : 57?49=06≠ 75' .20' 7"D' 4C : 76.6 ' 20' 6A ; 6.4.A.0D\' : 7""≠ 89D' "89DE' .8106 ' 89D' 49' 75D05' .7' 60=A50' .2045' 0SA8"≠ 018=.479 ' 20' 75D050D' .20' 9AC054=8"≠ 50B46.58.479' 73' .20' <27"0' 0C : 450≠ .' 46' .246' =096A6' 73' <E24=2' C09G .479' 46' C8D0' 49' .≠ AF0L6' &76 : 0" ' =≠ 44≠ ?≠ ' T' 2050' <09.' 7A.' 8' D0=500' 357C' 80685' ABA6.A6 ' .28.' 8""≠ .20' <75"D' 627A"D' ; 0' .810DU' ^75'0957""0DQ

* 75' 86' .20' A"B8.0' 01 : 506606'4. ' T' A.' D06054 ; 050.A5' A94?056A6' 75 ; 46*U 1 00' 09675*

* 1 20' 09.8A56' <050' 4928 ; 4.89.6' 73' 20668"@ ' 38C7A6' 375' .2045' B508.' =7A58B0' 89D' 8DD5066 ' 49' .8C49B' 89D' .584949B' 275606≠ 20' 34BC09.' 73' .20' 89=409.' : 70.6' 86=54 ; 0D' .7' .20C' 8' C796.57A6' 754B49 ' 89D' &500F' 85.46.6' 6=A" : .A50D' .20C' 86' =7C ; 4949B ' 49' .2045' 375C ' .20' A : : 05' : 85.' 73' .20' 2AC89' 34BA50 ' <4.2' .20' ; 7D@' 89D' "7<05' 01.50C4.406' 73' 8' 27560*

9' 67C0' =7496 ' .20' =09.8A5' 46' 34BA50D' 86' 6.89D49B' 8"790 ' 85C0D' <4.2' 8' ; 7<' 8AD' 8557<' 75' <4.2' 8' 6.833 ' 79' 7.2056' D58<49B' .20' =28547.' 73' 67C0' : 8B89' D4?494.@≠ 9' 8' D09854A6' 73' .20' A50"48?B096' M600' : ≠ " " N ' 05=A"06' 6.89D49B' 49' 8' =85' 46' D58<9' 8.' 3A"" 6 : 00D' ; @' .<7' =09.8A56 ' 08=2' 73' <27C' A : "43.6' 8' ; 589=2' 49' 246' 54B2.' 289D*

20' 8 ; 7?0' 46' 09B58?0D' 357C' 8' 340' ; 5866' C0G D8""479' 73' 9.7949A6' 4A6 ' 49' .20' ') ' ' ! ' 20' 6A ; 0=.' 46' 790' 73' .20' =7C ; 8.6' 73' 05=A"06 ' 89D' #0 : 50609.6' 24C' 49' .20' 8=.' 73' 8?09B49B' 79' .20' =09.8A56' .20' 58 : 0' 73' 8"=@790 ' 646.05' 73' A5@6.20A6 ' ' .7' <27C' .20' =09.8A5' 7C8DA6' 28D' 733050D' ?47""09.0 ' 89D' <86' 49' =79G 60SA09=0' F4""0D' ; @' 05=A"06≠ 9' .246' ="8664=' D064B9 ' .20' B508.' "=4D06' 286' 8"508D@' 6"849' 790' =09.8A5 ' <27' 46' 6.50.=20D' 79' .20' B57A9D≠ 0' : 506606' 246' F900' 79' 8' 60=79D' <27C' 20' 46' 8 ; 7A.' .7' =5A62' <4.2' 246' ="A ; ' 8"..27AB2' 897.205' =09.8A5' =7C06' .7' 246' 86646.89=0 ' 85C0D""4F0' 246' =7C : 89479' <4.2' 8' ; 589=2' 73' 8' .500≠ 089<24"0 ' 7C8DA6' 46' 6009' =855@49B' 8<8@ 8"=@790 ' <27C' 05=A"06' 83.05<85D6' 506=A0D≠ .' 46' 50"8.0D' .7' 28?0' ; 009' 8 ' .20' 60SA0" 73' 8' 8==2898"489' 306.4?8" ' .28.' .2060' ' A9D05' .20' 01=4.0C09.' 73' 49.7143≠ =8.479 ' .7' <24=2' .20@' 28D' .20' =2858=.05' 73' ; 049B' 8DD4=.0D ' 7A.58B0D' 276 : 4.8"4.@ ' 89D' 58?4620D' .20' <7C09* 1 47D75A6' 4=A"A6' D06=54 ; 06' .20' =09.8A56' 86' 28?49B' 0C : "7@0D' .5A9F6' 73' .5006 ' 86' .2045' <08 : 796' 49' .20' 34B2. ' 89D' : 08F6' 73' .20' =79.06.' 86' T <75.2@' 73' .20' 085"@' 5097<9' 73' .246' 2057*U' 20' .0C : "0' 49' .20' ; 8=FEB57A9D' 46' C089.' 375' .28.' 73' 05=A"06' 4=.75 ' ; A4".' 8.' # 7C0 ' 86' 46' 49D4=8.0D' ; @' 89' 08B"0' 49' .20' : 0D4C09. ' <24=2' 9.7949' =8A60D' .7' ; 0' 50 : 50609.0D ' 86' .27AB2' 05=A"06 ' 375' .246' 01 : "74.' 8"790 ' 28D' D0605?0D <75624 :' 89D' 8' .0C : "0*EEEEE 00' ≠ 84""89. ' . ' + ' F ' ' :≠ > [1 600' 8"67' 4""49 ' 4 ' 3 ' 44≠ H *

2050' 46' 8' 6 : "09D4D' ; 5866' C0D8""479' 73' ≠ A50"4A6 ' ; 08549B' 375' 4.6' .@ : 0' 73' 50?0560 ' 05G =A"06' 6.89D49B' 79' 8' =85 ' D58<9' ; @' 37A5' =09.8A56*

@AA 1 *

;0856' . ;0' "8 ;85AC ' 6.89D49B' <4.2' 89' 8".85' ;0G .<009' .20C ' 89D' 8' ?4=.4C' 508D@' 375' 68=5434=0* 1 ' 246' .@ :43406' 8' B09058"' 50 74=49B' 79' 8D5489L6 6830' 8554?8"' 49' 4"4=48' 57C' .20' 8..450' 89D' 8.G .4.ADD' 73' .246' 30C8"0 ' 4.' 46' 0?4D05.' .28.' .20' :57' ! ?49=0' <86' D00C0D' <85"4F0 ' ;A.' .20' 4"4=4896' <050' D06 :460D' ;@' .20' &500F6' 86' ;049B' :5790' .7' F98?05@' =5A0".@ ' 89D' C09D8=4.@ 1 <209=0' .20' :57?05; ' T' 4"4I' 289D' 38=4"0' ?0CC' D4=4.*U 1 ' 8 :.' C@.; ' . ' ' :' , [1 00' * ! .' ' 4 4 2

' B096* 1 20' 68C0' 38C4"@' 86' ' + ' <86' 73' :"0 ;0489' 59BF ' 89D' 34BA506' "4.."0' 49' 246.75@' 2050' 850' 37A5' ?8540.406 ' ?4 */ 1

,' 1) 1 ' =4 : ' ' ' ' + ' ' ; ' <27' 6.5A=F' 64"?05' C790@' <4.2' .20' A6A8" .@ :06' 73' #7C89' D09854' ?4\' .20' <49B0D' 208D' 73' 4905?8 ' 89D' .20' C85F' I ' ;0249D' 4. ' 79' .20' 50G ?0560' 4=.75@' 49' 8' ;4B8 ' 89D' 87A ' 49.' C85F' 8' 5ADD05*

>' 8C0' "0B09D' K08D' 73' KA : 4.05' 48A508.0D ' ;0249D' 4.' 6* 1 6 1 * ' 79' .20' 0105BA0' ' 7' .20' 54B2.' 6' 57<' 73' 8' 624 : ' ' 6C8"" ' ;5866' F 1 9B58?0D' 49' ' 1 #850* H' 8C0' "0B09D' 89D' .@ :0*EEEE 6 1 * 8 ;7?0' ' "!#!' ' # ' ;0"7<' @ :0' 64C :"@' 8' 5ADG D05' 49' .20' C4DD"0' 73' .20' =749 ' <24=2' 46' 8"67' 8' .245D' ;5866' F ' ' 08D' 73' @7A9B' 05=A"06 ' <4.2' "479L6' 6F49' 6 1 # ' 8 ;7?0 ' ' "!#!' C" ' ;0"7<' 24 : L6 5ADD05' <4.2' 4.6' 289D"0 ' 49' .20' 340"D' 73' .20' =749' T '?05@ 5850'6C8"" ;5866' 0 '73'C8B9434=09.' :50605?8.479 U' 68@6' #4==47 ' T' 49' C@' : 7660664?9*U 246' 85=A6' 4 :4A6' <86' .54 ; A90' 73' .20' :"0 ;6' 83.05<85D6' SA06.75' 49' a,' 9$ ' " ' HN ' 89D' 49' :50?47A6' @085 ' 8' C790.8" .54AC?45* 20' <75FC89624 :' 73' .20' 64"?05' 89D' 73' .20' 6C8"" ;5866' 73' .246' 38C4"@' =855@' .20C' .7' .20' "8.06.' .4C06' 73' .20' 50 : A ; "4=* ' 8' 58460D' 6.790 ' 79' <24=2' <86' :"8=0D' 89' 496=54 : .479' .7' : 50605?0' .20' C0C75@' 73' 67C0' 0?09.* 20' =4 : : A6' D433050D' 357C' .20' =7"AC9 ' 4986CA=2' 86' 4.' <86' 6C8"" 05 ' 89D' 73' 8' 6SA850' 375C ' <24"6.' .20' =7"AC9' <86' 57A9D ' "85B0 ' 89D' "73.@* 2060' =4 : : 4' 605?0D' 375' C89@' : A5 : 7606 ' ; 7.2' 50"4B47A6' 89D' 60=A"85 ' 67C0.4C06' C85F49B' 8' : "8=0' 73' 38C4"@' 60 : A".A50 ' 8.' 7.2056' 6.89D49B' 86' ' 75' ;7A9D85@' 6.7906* 20' 375C' 89D' 7598C09.6' 73' 67C0' 73' .2060 ' : 85.4=A"85"@' 86' 50 : 50609.0D' 79' =7496 ' 28?0' =8A60D' .20C' 73.09' .7' ;0' C46.8F09' 375' 8".856* 20@' 850' :"8=0D' 67C0G .4C06' 8"790' 49' .20' 340"D' 73' 8' C0D8"' =285B0D' <4.2' 89' 496=54 : .479 ' 49' 7.2056 .20@' 850' :"8=0D' 9085' 8' D04.@ ' <27' B09058"'@' 506.6' 24C' 75' 20560"3' 8496.' 4.* 9' .20' 7==86479' 73' .20' =4?4=' =57<9' 28?49B' ;009' ?7.0D' ;@' .20' 098.0' 73' #7C0' .7' 20' :"8=0D' ;03750' .20' : 75.8" 73' ABA6.A6L6' :8"8=0 ' 49' =7CG C0C758.479' 73' 246' 605?4=06' 86' .20' B508.' : 50G 605?05' 89D' : 8=434=8.75' 73' .20' 6.8.0 ' * 06=4A4A6

* *

#A3A6 ' 790' 73' .20' C790.85@' .54AC?456' 73' .28.' 0CG : 0575 ' D0D4=8.0D' 8' =749' .7' 24C' <4.2' .20' ?7.0' 357C' 6* :* %* #* 496=54 ; 0D' 79' 8' =4 : : A6* 9' "4F0' C89* 905' <0' 508D' 79' 897.205' =749' 73' .20' 68C0' 0_ : 0' 575 ' 79' 8' =4 : : A6 ' ! # ' " ' ' " ' " ' + ' ' ' ' ' ' ' 1 00' :* , ' 73' .246' D4=.47985@* 9' 897.205' =4 : : A6 ' 8 ; 7?0' <24=2' 6.89D6' 8' 20" C0.0D' 856 ' <4.2' 6 : 085' '+ M ' 46' 49' 6=54 ; 0D' 6* :* S* #* ?* :* * !!' " ' F ' # ' + ' 0 ' 6 ' H ' # ' 6 ' ' ' 9' 897.205 ' # ' A30' ' # .3_' &8554' 1 '.245D' 508D6 ' ! # ' " ' & ' o ' " ' ' + ' ' ' ' ' F ' 20' C899005' 49' <24=2' 8"" .2060' =4 : : 4' <050' 050=.0D' ;@' o 06=494A6' #A3A6 ' : 50605?0' .20' C0C75@' 73' 0?09.6 ' A9D05' ABA6.A6 ' 46' .7' ;0' 6009' 79' .20' =7496' 73' .28.' 89 : 0575 ' 89D' 73' .20' 06=4948' 38C4"@* 1 ' 7' 8"67' .2760' =4 : : 4' <24=2' =7CC0C758.0' .20' 0=A"85' &8C06' 850' 7 ; 605?0D ' 97.' 79"@' 79' ABA6G .A6L6' =7496 ' ; A.' 8"67' 79' .2760' 73' 7C4.489' 89D' 73' 0?05A6* 2A6' 89' 8A50A6' 73' 7C4.489' 0I24G ; 4.6' 8' =4 : : 7 ' <4.2' Q ' " ' % " ' " ' 6 !!!' <4.249' 8' "8A50" <508.2* 4"?05' 89D' ;5866' =7496' 73' .20' .<7' 24"4 : 6 ' 89D' .8=4"48' 0?059 ' 28?0' ++ ' <4.2' 496=54 : .4796' 8""A64?0' .7' .20' &8C06' =0"0 ; 58.0D' ;@' .20' 0"D05' 24"4 : ' 49' .20' @085' 73' #7C0' K ' 9 ' ' > N* 1 00' " o * %&*

1 8' 58D48.0D' 7598C09. ' 75' 68=50D' 6@C ; 7" 73' D46.49=.479 ' .7' ;0' 6009' 79' =05.849' #7G C89' =7496 ' 86' 6A557A9D49B' .; 0' 208D6' 73' 9.7G 949A6' 4A6 ' 89D' 67C0' 7.205' 0C : 05756* 1 00' *

* 1 246' D06=54 : .47#' 73' 0D434=0 ' 375' .20' 0I24 ; 4.479' 73' 27560 ' 377. ' 89D' =28547.' 58=49B ' 89D' 375' 7.205' : 7 : A"85' 6 : 75.6 ' <86' : 0=A"485' .7' .20' #7C896* .6' 375C ' "4F0' .20' 6.8D479' 73' .20' &500F6 ' <86' .28.' 73' 8' "79B' SA850 ' 790' 73' .20' 0I.50C4.406' 73' <24=2' <86' 57A9D0D ' .20' 7.205' 09D' CA=2' "066' 67* 20' : 549=4 : 8" ' : 85.6' 73' .20' =45=A6' <050 1 .20' ' 75' 6 : 8=0' 49' <24=2' .20' 6 : 75.6 .77F' : "8=0' ' .20' 608.6' 375' .20' 6 : 0=.8.756' "4949B' .2500' 64D06' 73' .20' 8508 ' .20' ' 75' 6.85.49B' : 76.6 ' <24=2' 375C0D' .2A'37A5.2' 64D0' 73' .20' 8508 ' 8' <8"" =8""0D' + ' 357C' 4.6' 64C4"4.ADD' M68@6' A79857..4N' .7' .20' 6 : 490' 75' ; 8=FE ; 790' 49' 346206' 75' 7.205' 894C8"6 ' 89D' 8.' 08=2' 0I.50C4.@' 8' ' 75' =794=8" : 4""85 ' 605?49B' 86' 8' B78"*

20' ' <86' .20' 6 : 8=0' 8 : : 57 : 548.0D' .7' .20' B8C06' 89D' 58=06* .' =79646.0D' 73' 085.2' 509G D050D' : 0530=."@' 285D ' 89D' =7?050D' <4.2' 8" "8@05' 73' 3490' 689D ' .7' 38=4"4.8.0' .20' =85005' 73' .20' 275606' 89D' =856* 09=0' .246' : "8=0' 8"67' .77F' .20' 98C0' 73' ' 20' ' <86' 6A557A9D0D' ;@' 8' D4.=.2' =8""0D' + ' <24=2' .05C498.0D' 8.' 8' : 749. ' <2050' .20' ' ; 0B89* .' .20' D4330509.' 09G .589=06' 73' .20' =45=A6' .2050' <86' 8' ; 54DB0' .7' =5766' .246' +

20' + ' & ' 8' ; 578D' ; A.' 97.' 8' "73.@' C866' 73' C86795@' <24=2' =7CC09=0D' 8.' 8' 6A334=409."@' 8C : "0' D46.89=0' 357C' .20' ' 89D' 3494620D' 8.' 8' "066' D46.89=0' 357C' .20' .54AC : 28" 8B.0* 246' + ' D4?4D49B' 9085"@' .20' <27"0' "09B.2' 73' .20' 8508 ' 605?0D' =79?09409."@' .7' 60 : 858.0' .2760' .<7' : 75.4796' 73' .; 0' =45=A6' 49' <24=2' .20')2(* ' .77F

05?8L6' =7498B0' 49=''AD06' 8' 5030509=0' .7'.246' 6A; 0=.* 1 00' $# ' "!3 " ' M49'.20' #78=2' C4.2' =8;490.N*

9' 8' '"85B0' ;5866' 73' 58 89' <0' 349D'.20' ' ' C49A.0"@' D0:4=.A50D/1

1) 1 ⁄ ⁄ ' # ⁄ "8AE' 508.0D' 208D' 73' 58 89* 1 * 1 ' :⁄ %⁄ ⁄ # !D ' 4 =4 4⁄ ⁄ =⁄ 20' 45=A6*

75' 89' 09B58?49B' 73'.246' 50?0560'357C' 8' 6:0=4G C09' 49'.20' 54.462' A60AC'600':50=0D49B' :8B0* .' 46'50=75D0D';@' 479'M I?44⁄ 4' N'.28.' 58 89' 0I:09D0D' "85B0' 6AC6' 79'.20' 45=96' 8I4CA6 1' T' 0'496=54;0D'79'.20' 4::7D57C0' .28.' 20'28D' C8D0' 4.' :0530=.' 375'.20' B58.434=8.479' 73'.20' #7C89':07:"0⁄ 75' 83.05'4.'28D';009':85.48""@' D06.57@0D' 20'50:8450D'4.' 79'8' "85B05'6=8"0' 89D' <4.2' B508.05'6:"09D7A5*U 1 8A689486' 8"67' 9ACG ;056' 8C79B6.' .20' C8B9434=09.' <75F6'73' 58 89' .20' 4::7D57C0' 73' .<7⁄ 'M3A5"79B6N' 49' "09B.2' 9 ' =2⁄ ,>N⁄ 479' 8B849' 49375C6' A6' .28.' .246' 549=0' D0"4B2.0D'49' 8' 2?840.@' 73' 6:0=G .8="06⁄ 9D' "49@' 68@6' .28.' 20' <86' D0?7.0D'.7' .20' 6:75.6' 73'.20' =2860*1 .' <86' 49' C0C75@' 73' <28.'.28.'0C:0575'28D'D790'.7'09"85B0' 4C:57?0' 89D';08A.43@' 67' 38?7A54.0' 8':"8=0' 73':A;"4=' 50675.' 8.'#7C0' .28.'.246' 49.0506.49B' 89D' ?8"A8;"0'=749' <86' 0I:5066"@' 6.5A=F' ;@' 75D05' 73'.20' 098.0⁄ 75' 46' 4.' .7' ;0' 4C8B490D'.28.' 8.' 8' "8.05' 8B7' 67' C89@' 73'.20' C0D8"6' =8""0D' ' 89D' 79' <2=2' .20' 58=49B' 89D' 2A9.49B' 308.6' 73'.20' 45=A6' 850' 50:50609.0D' <7A"D' 28?0' ;009' D0D4G =8.0D'.7' 24C' A9"066' 4.' 28D' ;009'.20' A94?0568⁄ ;0"403' 73':76.054.@' .28.' 375' 50=508.479' 68F0' .246' 0C:0575' 49DA"B0D'.20':07:"0' 8AD'0?09':056798""@' .77F' :85.' 49' D4?0564796' 73'.246' F49D*1 ^#OG 6:0=.49B' 58 89I6'?4=.75406" 7' 49'.20' 45=A6' 8I4CA6' =F20⁄ D450=.6' 246' 508D056'.7' =796A".' .20' ;5403' 97.4=0' 73' 75=0""A6' ' F ' +' :⁄ a*Q 1 '3490'50:50609.8.479' 73'.246';A4"D49B' =75506:79D49B' <4.2'.20'3750B749B' <77DE=A.' 8:G :0856' 79' 8';5866' C0D8""479' 73' 58 89' 09B58?0D' 49'.20' '73'.20' C:0548⁄ A60AC' 8.' 40998' :⁄ , * 28.' 5850' 3456.';5866' 73' 8D5489' <4.2'.20' "0B09D' ⁄ ++ ⁄ ⁄ # ⁄ ⁄ ' S ' ⁄ M600' :8B0' N' 89D' 28?49B' 375' 4.6' 50?0560'.@:0' 8' 34BA50' 27"D49B' 8' <200"' 50=AC;09.' 8.'.20';860'73'.2500'7;0"46F6' 286' 89' 7;?47A6' 5030509=0'.7'.20' =45=A6' 89D'=28547.' 58=06* 9' B7"D' =749' 73';08A.43A⁄ <75FC89624:' 6.5A=F' A9D05' ⁄ 0?0C6' =76⁄ 444⁄ 46' 8' 50:50609G .8.479' 73'.20' 45=A6*1 00' *!' ¯ ¯ '3456.';5866' 73' 858=8""8' 6.5A=F' >,H' :50609.6' 8'.@:0' 73'.20' 45=A6' 8I4CA6' 0I24G ;4.49B' 85=24.0=.A58⁄ D0.84"6' 49' 0?05@' C8.0548⁄ :749.' 64C4"85' .7'.2760' 79'.20' 8;7?0' 50?0560' 73' 58 89' M600' 89' 09B58?49B' 73'4.'49':⁄ , N⁄ 246' 8C79B' 7.205' =7496' 73'.28.' 0C:0575' 8..06.6' 246' 0I.58?8B89.' D0?7.479'.7'.20' 6:75.6' 73'.20' =45=A6' 8'.3.6479' <24=2' 246.754896' 49375C' A6' .77F':7660664796' 73' 24C' 8.' 8' ?05@' 085"@' 8B0*1' ==75DB49B'.7' .479' M II?44⁄ 4' ' N' 24C60"3' :5730660D'.7' 0CA"8.0'.20' A9' 49' 246' =28547.G D54?49B⁄ 0' 46' ;0"40?0D'.7' 28?0' ;009'.;0' ;A4"D05' 73' 8' 45=A6'.20'?86.'5A496' 73' <24=2' 6.4' 0I46.' 49' #7C0' ;A.' <4.2' <24=2' 97' C790.8⁄ D0"4G 908.479' 286'@0.';009' 4D09.434OD* >⁄ ' >

20' C76.' 50C85F8;"0' B57A:49B' 73' 34BA506' 89D' 7.205'7;0=.6' 4""A6.58.4?0' 73'.20' ' ' 8::0856' 27<0?05' 79' 89' 0"0B89.';5866' C0D8"G "479' 73' &75D4896⁄ ⁄ 357C' 8' 6:0=4C09' 73' <24=2' 49'.20' ') ' '! ' .20' 6A; 7490D' =A.' 286' ;009' 0I0=A.0D/1' P

050' <0' 28?0' 8' 50:50609.8.479' 73' ?8547A6' D4?0564796' B749B' 79' 49'.20' 8508' 73'.20' B508.' 6.5A=.A50' 49' SA06.479⁄ (0' 600'.20' C0.p' <2760' =794=8" .05C498.4796' 850' 6A5C7A9.0D' ;@' 89' 0BBG "4F0' 375C' 6@C;7"4=8" 73'.20' ' ' 1' 86.75';049B':8.579' 73'.20' ' 75' 27560E' 54D056' 73'.20' =45=A6⁄ ' "73.@' 7;0"46F' M790' 73' .2760' ;57AB2.' 357C' B@:.' 89D' D0D4=8.0D'.7'.20' A9N' 54606' 49'.20' =09.50' 73'.20' + :' 79'.20' 3A5.205' 64D0' 73' <24=2' 8' ;4B8' 89D' 8' SA8D54B8' 850' 5A9949B⁄ .4""⁄ 3A5.205' 49'.20' D46.89=0' .7'.20' "03.' 850'.2500'.7B8.0D' 34BA506' ;08549B' :8"C' ;589=206' .20' 3750C76.' 73' <24=2' 46' 27"D49B' A:' 246' 54B2.';8AD⁄ 9'.20' 54B2.' 46' 8' 34BA50' 49' 4C:0548⁄ 28;4"4C09.6'=57<90D';@' 8' 4=.75@' 357C' ;0249D' 89D' 6.89D49B' 49' 8'.54AC:28⁄ =85' D58<9' ;@' 64I' 2756⁄ 6' <24"6.' 49'.20' 3750B57A9D' 8'.577:' 73' B"8D48.756' <506."056' 89D' 7.205' %' 850' 49' D4?056' <8@6⁄ =79.06.49B' <4.2' 08=2' 7.205⁄ 20' <27"0' 9AC;05' 73' 34BA506⁄ =57<D0D' 49.7'.20' 98557<' 57A9D' 73'.20' C0D8""479' 46' 60?09.009⁄ 20' 50G ?056⁄ 0"0B09D' 73'.246' C76.' 5850' 89D' 49.0506.49B' 50"4=' 46' ⁄ ⁄ ⁄ :⁄ =76⁄ 444⁄ ⁄ ⁄ '[620<49B' .20' =749'.7' 28?0';009' 6.5A=F' ⁄ ⁄ > '.20' @085' 73'.20' @7A9B' 0C:0575L6' D08.2* 20' "08590D' A79857..4' 8C79B' 7.205' 246G .754=8⁄ 89D' D06=54::.4?0' 50C85F6' 79'.246' A94SAO' 50?0560' 73' <24=2' 20' 286' B4?09' 89' 8==A58.0' 09G B58?49B' 68@6/ &75D489' <27' 8==75D49B'.7' A6' ;4A6' 504B90D' 64I' 09.450' @0856' <86' 866866498.0D'C' 067:7.8C48' 49'.20'6:549B' 73' ⁄ ⁄ > ⁄ 09=0' .20' 306.4?8⁄ 2050' 50:50609.0D' CA6.' 28?0' ;009' B4?09' 49' 2797A5' 73'.20' ?4=.75406' B8490D' 7?05'."40' 0564896' 49' > >' 89D' > H⁄ 2060' ?4=.75406' 850' 50=75D0D';@' 8:4.7"49A6' <27' 50305549B'.7'.20' "0..056' 73' &75D489' .7'.20' 098.0' 8DD6 1 T' 46' 49' 098.A' "0=.46' SA8D54B80' 0"0:289.75AC' &75D4897' D0=50.p' 6A9.' A.:7.0' SA⁄ 05686' ?4=4660.' A.' .54AC:27' 0564=7'.54AC:2850.*U 45=AC6.89=06' 27<0?05' 7==A550D' 97.' 79"@' .7' :50?09.' .20' @7A.23A⁄ ;549=0' 357C' 09 7@49B' .20' 2797A56' DA0' .7' 246' C4"4.85@' 6A==06606' ;A.' 6779' 83.05'.257L' .20' <4=F0D' =79.54?89=06' 73'.20' :50.7E' 5489' :5030=.' 24"4:'.7' =8A60' 246' D08.2' 8.' 8' D46.89=0' 357C' .20' 3579.4056' 73'.20' 0C:450⁄ 089<24"0' 49' :A56A89=0' 73'.20' D0=500' 73'.20' 098.0' 8".27AB2

.2050' <86' "4.."0' 27:0' 73' 246' 8?554?8" 8.' #7C0O' 3086.6' 89D' B8C06' <050' 6ADD0 5"@' B7.' A:' .7' .8!084' .20' :07:"0' <4.2' ' 89D' 79' .246' 7==8647?9' 73' 50G 74=49B' ' .20' 4C8B0' 73' .20' 0C:0575' <86' =79?0@0D' 79' 8' =85' ;049B' 8..450D' 49' 4C:0548"' 57;06' < D' 8D7590D' <4.2' 7598C09.6 '64C4"85'.7' .2760' D06.490D' 375' .20' =0"0;58.479' 73' 8' .54AC:2 ' ;A.' 79' 8' 6=8"0' 73' "066' C8B9434=09=0 ' 86' 46' 49D4=8.0D' 49' .20' 8;7?0' 50?0560 ' <2050?9' 46' .20' 6.8.90' 73' &?5D489 ' D58<9' ;@' 64I' 275606 ' 97.' ;@' 0"0:289.6' 86' D0=500D' 375' .20' 056489' .44AC:2" e 9D' 86' 4.' 46' =05.849' .28.' .20' 0C:0575' <86' 385' 8<8@' 8.' .20' .4C0 ' 89D' 50.A590D' 97' C750' .7' #7C0 ' 67' ;@' .246' C0D8""479' .20' C8990?' 46' :85.4=A"85"@' 627<9' 73' =0"0;58.49B' B8C06 ' 89D' 3086.6 ' 79' .20' :0<6' 73' ?4=.75406 ' <4.2' .20' 6.8.A06' 73' 0C:05756' D50660D' 49' .20' 68C0' .54AC:28"' =76.AC0 ' 49' <24=2' .2760' 0C:05756' 86646.0D' 49' :05679' 79' 7==8647?6' 73' :A;"4=' 6:75.6' =0"0;58.0D ' 89D' 73' .54AC:26' 09 7@0D*

#06:0=.49B' .20' ;4B8' 89D' .20' SA8D54B8 ' <24=2' 850' 2050' 50:50609.0D' 58=49B ' A79857..4' 8DD6 ' MT' =50D7 ' :05' 06:54C050' "0' DA0' 675.0' :4u' :549=4:8"4 DOL =7==24 ' =20' 8D7:58?897 UN .2060' 34BA506' 620<' .20' .<7' :549=4:8"' F49D6' 73' =28547.6' C8D0' A60' 73' 79' .20' =45=0964B9' =7A560"' 2045' D450=.479 ' 8=G =75D49B' .7' .20' 6.8.0C09.6' 73' "0859OD' <54.056 ' 89D' 86' <0' 600' ;@' .246' C0D8""479 ' <86' 357C' .20' 54B2.' .7' .20' "03.' .28.' ;049B' .20' C750' 98.A58"' C7?0G C09."' C79B6.' .20' "4.."0' 34BA506' 49' .20' ;8=FG B57A9D' .2050' 46' 790' <27' <4.2' 4.6' A:"43.0D' 289D' <7A"D' 600C' .7' ;0' B4?49B' .20' 64B98"' .7' 6.85.' :0528:6' ;@' 620<49B' 75' .257<49B' .20!98:F49' 75' 289DF05=2403' MB0..850' "8' C8::8N"' 246' 3A9=.479' <86' =A6.7C854"@' :05375C0D' ;@' .20' =796A"' :50.75' 0C:0575' 75' 7.205' :05679' :5064D49B' 8.' .20' B8C06"' 6' .7' .20' B57A:' 73' B"8D48.756' <506."056' =" <27' <050' <79.' .7' 0I05=460' .2045' ?7=8.479' 8.' .54AC:28"' 86' <0"" 86' 7.205' 30.06' 49' .20' ' F3' 4.' 8:0856' 357C' .20' <75D6' 73' 8' &500F' 8A.275' =4.0D' ;@' A79857..4' .28.' 4.' <86' 97.' A9.4"' .20' 8A54B r' 28D' 3494620D' .2045' 60?09' 57A9D6' 89D' .20' ?4=.756' 8.' .20' =28547.' 58=06' 28D' ;009' =57<90D' .28.' <28.' <050' 50B85D0D' 86' 8' "7<05' B58D0' 73' =7C;8.89.6' =8C0' 375<85D' .7' 09.05.849' .20' :7:A"8=0' 89D' .209' T' .20' 24B205' ="866' 73' 6:0=G .8.756' ;0B89' .7' =79?0560' <4.2' 08=2' 7.205' 89D' .7' 08.' 6AB85' :"AC6' " ' ' 73' ;0=8A60' .20@' .77F' 97' :"086A50' 49' 6004?9B' =79.06.6' 73' <506."056' 89D' 7.205' q V9 1 0D' ' >! !' # ' ' 3' :" >> ' 0.' 1 ^ 47990.' ?8"A06' .246' C0D8""479' 8.' 79"@' '35*Q # * 1 7496' <050' .2A6' D097C49G 8.0D' 357C' .20' F3' 75' C@6.4=8" ;86F0.6' A60D' 49' .20' <75624:' 73' 8==2A6' 89D' <24=2' <050W 8"<8@6' 37A9D' 34BA50D' A:79' .20C" 9' 4.6' 754B498" 60960' .20' .05C' 73' + ' 89D' + ' <050' 8::"40D' .7' 24C' 75' 205' <27' 49' .20' C@6.0540G 73' 8==2A6' 75' 73' 0506' 89D' 73' 57605:490' =85540D' .20' ' <24=2' 09="760D' .20' 68=50D' 605E' :09." C79B6.' .20' &500F6' 4.' <86' .20' =A6.7C' 375' @7A9B' B45"6' 73' 24B2' 589F' . ' ;085' .246' C@6.4=' =206.' 8.' :A;"4=' 306.4?8"6" 20' C0D8"6' =8""0D' + ' <050' =7490D' ;@' 8A.2754.@' 49' 5030509=0' .7' .20' 3086.6' 73' 8==2A6 ' 89D' ;0=8C0' .20' :0=A"485' 6@C;7" 73' 648* =F20'" =79.09D6 ' .28.' .20' 046.7:2754 ' .20' 9C9E 205' 73' <24=2' <86' ?05@' =7964D058;"0' 89D' <24=2' <050' 4f' A60' .257AB27A.' 8"" 648' <050' 6.5A=F' 375' .20' =7CC79' <0"3850' 73' .20' =4.406' 73' .28.'=7A9.5@ ' <2760' 35A4.3A" .0554.75@' 89D' 0I.09D0D' =7CC05=0 ' 509D050D' 90=06685@' .20' A60' 73' 8' =7498B0' 73' F97<9' .@:0' 89D' A94375C' <04B2.' <24=2' 627A"D' 496:450' =7934D09=0' 89D' 38=4"4.8.0' C05=89.4"0' .58968=.47A6" ET # A' 05689' 8D7:.6' 0F20"L6' 7:49479' .249FG 49B' <4.2' 24C' .28.' 8' =7498B0W 50"8.49B' .7' .20' <75624:' 73' 8==2A6' <7A"D' 98.A58""@' ;0' 8D7:.0D' ;@' 8' =7A9.5@' 49' <24=2' .28.' :8B89' D4?494.@' <86' :0=A"485"@' 2797A50D*

20' .4C0' <209' + ' <050' 3456.' 6.5A=F' =89' 285D"@' ;0' D0.05C490D' <4.2' 8==A58=@" 05G .849' 4.' 46' 27<0?05' .28.' .246' F49D' 73' C790@' <86' 8"5 D@' F97<9' 49' 648' 8;7A.' .20' @085' 73' #7C0' [' 9$' " ' ,a *N 1 20' 9AC;05' 73' + ' =7""0=.0D' 49' .20' 648.4=' <856' 73' .20' #7C896' 89D' 49' =7A9.5406' 6A;0=.0D' .7' 9.470;A6' .20' &508.' <86' :57D4B47A6' ' 89D' 4.' 620<6' 27<' 0975G C7A6"@' ?86.' .20' <27"0' 8BB50B8.0' SA89.4.@' 73' .20' =7498B0' CA6.' 28?0' ;009" 0?05.20"066" + ' 850' 97<' 8C79B6.' .20' 9AC;05' 73' 5850' =7496* I20' 75D4985@' .@:06' 73' .20' + ' 850' 79' .20' 7;?0560' 8' 28"3E7:090D' =206.' 75' ;86F0.' <4.2' 8' 605:09.' 466A49B' 357C' 4.' .20' <27"0' 6A557A9D0D' ;@' 8' =57<9' 73' 4?@' 89D' ?490' "08?06* 1 20' 50?0560' :50609.6' 8' SA4?05' 9085' <24=2' 46' 6009' 8' ;7<' 6A557A9D0D' ;@' .<7' 605:09.6' <4.2' .2045' .84"6' 49.05"8=0D* 1 0D' .20' <75D" * # 20' =7498B0' 73' + ' =79.49A0D' 49' .20' :549=4:8"' =4.406' 73' .20' 648.4=' :57?49=06' 83.05' .20' #7C89' =79SA06.#" .' 8' "8.05' :0547D' .20' 98C06' 73' #7C89' C8B46.58.06' 850' 37A7D' 79' .20C ' =79 749."@' <4.2' .2760' 73' &500F' C8B46.58.06' 89D' 8==75D49B' .7' 8"" 8==7A9.6' .20' D46.54=.6' A9D05' .20' 8A.274 4.@' 73' .2060' .54;A98"6' 3A594620D' 08=2' 4.6' :57:75.479' 73' 64"?05' 375' .20' =7498B0' 73' .20' + ' 89D' .2469<86' .8F09' 49' :8@G C09.' 73' .20' .54;A.0' 0I8=.0D' 73' .20C' 49' .28.' =749' ;@' .20' #7C896* 6' 605?49B' 3A5.205' .7' :57?0' .20' =7990=.479' 73' #7C89' 98C06' 89D' 7334=48" .4."06' A9D05' .20' 50G :A;"4=' <4.2' .20' C49.8B06' 73' 648.4=' + 4.' <4"" 97.' ;0' 4550"0?89.' 2050' .7' 97.0' .2500' 50G C85F8;"0' =7496' 73' .246' ="866 1 790' 6.5A=F' ;@' ::4A6' "7D4A6' A"=205' :57E=796A" 73' 4"4=48 aa' 9$' " ' [[N' 89D' .20' .<7' 7.2056' ;@' 246' 6A=G =06675' 49' .20' B7?059C09.' 73' .28.' :57?49=0' A""4A6' 4=057' .20' =0"0;58.0D' 758.75* ,' 20' 3456.' 73' .2060' 286' 79' 4.6' 7;?0560' 49' 8.49' =2858=.056' # ' # 0" *' # ' # ' # * ." ++ ' ! ' ++ ' ! '# Y ' 20' 506.' 73' .20' "0B09D' 46' 49' &500F' 620<49B' .20' @ + ' .7' 28?0' ;009' =7490D' 8.' 87D4=08' A9D05' .20' C8B46.58=@' 73' :7 7"44A6' 89D' n764CA6" 20 K2==7C:89@49B' .@:06' 850' 86' A6A8"' .<7' 605:09.6' 89D' =46.8' C@6.4=8' ;7<' SA4?05' 89D' =8DA=0A6' <4.249' 4?@' 89D' ?490' "08?06" M 9B58?0D' 49' 0E' BA49' :" >' 89D' 49' ' "8AD48' B096N* 1 A"=205' <86' :57E=796A" 49' 648' 8;7A. ' 9$' " ' [N/' 20' 46' C09.4790D' ;@' 4=057' ;A.' 79"@' 86' :50.75* >" 20' 60=79D' 286' 79' 4.6' 50?0560' ' "!" * ' (' =76" 89D' # 9 A' <2050' 4.' <86' 6.5A=F' <4.2' .20' 68C0' .@:0' 86' .20' :50=0D49B" 9' .20' 7;?0560' .20' =46.8' 89D' 605:09.' <4.27A.' "0B09D"

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BA6..46' ; A4"..' 49' .20' =8 : 4.7'' 8' .0C : "0' <2+=2' 20' D0D4=8.0D' .7' 856' ".75' 4.20' ?09B05N' <2050' .20' C4"4.85@' 0964B96' <050' =7960=58.0D*

.' <86' 79' .246' 506.758.479' 73' .20' =8 : .A50D' 6.89D85D6' ;@' .20' 85.24896 ' .28.' ABA6.A6 ' 8=R =75D49B' .7' 479 ' <86' 2797A50D' ;@' .20' 098.0' 89D' 07 : "0' <4.2' 89' 7?8.479 ' 20' 09.0549B' .20' =4.@' 79' 27560 ; 8=F ' 89D' 8"67' <4.2' 8' .54AC : 28'' 85=2'' 7507?05' .20@' :84D' 24C' .20' 27C8B0' 73' 8' ?7.4?0' 6240"D ' 49' =7CC0C758.479' 73' .20' 68C0' 0?09.'' 2050' 850' =7496' 49' <24=2' .246' ; A=F"05' 46' 50 : 50609.0D' <4.2' 8' "0B09D ' 50=75D49B' .20' 506.4.A.479' 73' C4"4.85@' 0964B96* 1 00' =' '' ?'' 89D' 64& 46' * " # !

X ' # ' #' '' '' 850' 208D' 73' ABA6.A6* 1 6 1 & ' ' " ' 9' 08B"0 ' <4.2' <49B6' D46 : "8@0D ' 27"D6' 49' 4.6' ="8<6' 8' =57<9' 73' 78F' "08?06 ' ; 0249D' 246' <49B6' 850' .<7' "8A50'' ; 589=206* 1 00' ,

ABI46.A6' 28?49B' 06.8 ; "4620D' .20' : 08=0' 73' .20' 0C : 450' 8 ; 578D ' 89D' 60=A50D' : 57.0=.479' .7' .20' "4?06' 73' =4.4\096' ; @' .20' 506.758.479' 73' 49.0598'' 75D05' 89D' : 08=0' .20' 098.0' 75D050D' .28.' "8A50"6' 627A"D' ; 0' : "89.0D' ; 03750' 246' : 8"8=0' 49' 75D05' .7' 50=8{ .20' C0C75@' 73' 246' ?4=.75406 ' 89D' .28.' 8' =57<9' 73' 78F" "08?06' 627A"D' 20' : "8=0D' 49' .20' C4D6. ' 86' 8' 6@C ; 7'' 73' .20' : 50605?8.479' 73' =4.4\096*

'' ' =4.4\09*EEE .' #7C0' .20@' D46G .49BA4620D' ; @' .20' 98C0' 73' =4.4\096' " ' % ' .2760' <27' 97.' 79"@' 28D' .2045' 8 ; 7D0' 49' .20' =4.@ ' ; A.' <050' 49=75 : 758.0D' 49' 8' .54 ; 0 ' 75' <85D4' 89D' <050' 0"4B4 ; "0' .7' .20' 7334=06' 73' .20' 50 : A ; "4=' 20' A9479' 73' .2060' .2050' SA8"444=8.4796' <86' 90=06685@' .7' =796.4.A.0' =4.4\09624 : ' 49' 3A"'' 54B2. ' + ' 7 ' .' 89D' 904.205' 6.589B056' <27' 28D' 7 ; .8490D' 5064D09=0' 975' 3500DC09' .7' <27C' .20' 54B2.6' 73' .20') ' 28D' ; 009' B589.0D ' <050' 589F0D' 86' =4.4\096'' ?05@' #7C89'' =4.4\09' <86' 790' 73' .2500' 75D056' 49' .20' 6.8.0 ' 04.205' 73' .20' 098.0 ' 75' 73' .20' ' 94B2.6'' , 0 % ' 75' 73' .20' : 07 : "0' "+) % ' ' : 05679' D4D' 97.' D0 : 54?0' 24C60"3' 73' .20' .4." 0' 73' =4.4\09 ' <209' 246' 8338456' 50SA450D' 24C' .7' 5064D0' 67C0' .4C0' 7A.' 73' #7C0 ' ; A.' 20' D4D' 375304.' 4.' <209' 20' =8A60D' 24C60"3' .7' ; 0' 0957''"0D' 8C79B6.' .20' =4.4\096' 73' 897.205' .7<9'' T' 0SA0' 094C' M68@6 4=057N ' A05' %A454.4AC ' 4D0C' DA85AC' =4?4.8.AC' =4?46' 0660' : 7.A4.*O

8549B' .20' 0146.09=0' 73' .20' 50 : A ; "4=' .20' 54B2.6' 73' #7C89' =4.4\09624 : ' <050' 8==75D0D' .7' 97' 7.205' 98.479 1 .7' 97' 7.205' : 07 : "0'' 9D05' ABA6.A6 ' 27<0?05' 89D' 246' 4C : 0548'' 6A==066756' .246' 506.54=.479' <86' C750' 89D' C750' 50"810D'' 20' : 54?4"0B06' 73' .246' .4." 0 ' <24=2' F49B6' .20C6 60"?06' 28D' 97.' D46D849 0D' . : ' 27"D ' =79646.0D' , 6.' 73' ; 049B' 49=75 : 758.0D' 49' 8' .54 ; 0' 89D' 8' =09.A5@' 0105=4649B' .20' 0"0=.758'' 3589=2460 ' 89D' 34""49B' : A ; "4=' 7334=06'' >9D ' 49' 010C : .479' 357C' .20' : A9462C09. ' ; @' 57D6' 357C' .28.' 73' 4C : 54679C09. ' 89D' 0?09' 357C' .28.' 73' D08.2 ' 8.' "086.' 49' =8606' <2050' 609.09=0' 73' =79D0C98.479' <86' : 8660D' ; @' .20' : 07 : "0'' 20' 3456.' 73' .20DD' : A9462C09.6' <86' 50605?0D' 375' 6"8?06 ' '# ' 89D' F + ' "8<6' 28?49B' 0C89=4 : 8.0D' .20' =4.4\096' 357C' 4 . / H5D ' #7C89' =4.4\096' 8"790' <050' 0957''"0D' 49' .20' "0B4796 ' .20@' D790' 62850D' 49' .20' 50<85D6' D46G .54 ; A.0D' 8C79B' .20' ; 09034=485@' 67"D4056/ .2 ' .20@ 28D' A9"4C4.0D' : 7<05' 7?05' .2045' =24"D509/' .2_ ' .20@' : 7660660D' .20' 54B2.' 73' 8D7 : .479 ' 89D' .28.' 73' <08549B' .20' ' <24=2' <86' "4F0<460' 8' D46G .49=.4?0' C85F' 73' .20' #7C89' =4.4\09' / .2 ' .20@' <050' .20' 67"0' 2045' 73' 8' =4.4\09 ' 89D' 37504B9056' <050' 01="AD0D' 357C' 8''" 6A==066479*

' ' <050' D4?4D0D' 49.7' .<7' 675.6 1 7"D' 89D' 90<'' 20' 3456.' <050' .2760' <27' <050' ; 759' #7C89' =4.4\096 ' 89D' <2760' <27"0' 38C4"@' 09 7@0D' .20' 54B2.' 73' .20' =4.@'' 9D05' .20' D46.49=.479' 73' & ' <050' 50=F790D' .20' 8''406' 73' 8.49' 98C0 ' 89D' .2760' <27' 7<0D' .2045' =4.4\09624 : ' .7' .20' 38?7A5' 73' .20' 0C : 0575'' 20' =79D4.479' 73' .20' "8..05' <86' 49305475' .7' .28.' 73' .20' 375C05' ="866 ' 4786CA=2' 86' .20@' =77"D' 97.' ="84C' 6A==066479' 73' 50"8.4?06' 79' .20' : 8.0598'' 64D0 ' 8' : 54?4"0B0' <24=2' .20' 7"D' =4.4\096' : 7660660D ' ; @' ?45.A0' 73' 8' 8<' 73' .20' <0"?0' 8 ; "06*

.' .20' =7CC09=0C09.' 73' .20' #7C89' 6.8.0 ' .20' : 07 : "0' <050' =7C : 760D' ; A.' 73' & ' 75D056 1 .20' 8.54=4896' 89D' .20' "0 ; 04896 ' 20' 3456.' 75D05' 49="AD0D' 8''" .20' 97 ; 4"4.@'' A.' 83.05' .20' &58==24 ' ; 0=7C0' .54 ; A906' 73' .20' : 07 : "0 ' 28D' =85540D' .20' "8<' <24=2' .77F' 8<8@' 357C' .20' 098.756' .20' =7B94\89=0' 73' =05.849' =8A606 ' 49' 75D05' .7' B4?0' .28.' : 54?4"0B0' .7' .20' ' 94B2.6 ' .20' "8..05' 375C0D' 8' 60=79D' 75D05' 8C79B6.' .20' 97 ; 4"4.@ ' 89D' .209=0G 375.2' .20' #7C89' : 07 : "0' ; 0=8C0' D4?4D0D' 49.7' ' 75D056 ' .20' "86.' 73' <24=2' =7C : 5460D' .20' A5B06606' " + % ' 246' .245D' 75D05' <86' 4.60"'3=7C : 760D' 73' .2500' 675.6' 73' : 056796 ' ?4\'' 73' .2760' <27' <050' ; 759' 3500 ' 89D' <27' <050' =8""0D' :' 73' .20' =24"D509' 73' 3500C09 ' =8""0D') :' 89D' 73' .20' 3500DC09' .20C60"?06' <27' 357C' 28?49B' ; 009' 6"8?06' <050' 60.' 8.' "4 ; 05.@' ; @' .2045' C86.056/' 375' 67' "79B' 86' .20@' 50C8490D' 6"8?06' .20@' =7A"D' 97.' N0' 9AC ; 050D' 8C79B' .20' : 07 : "0'' .4"'' ' .2050' <86' .7' 20' D46.49BA4620D' 8C79B6.' .20' #7C89' =4.4\096' .2500' D4330509.' ="86606 ' ?4\'' 0'' 2760' <27' <050' 73' .20' =4.@' 4.60"3 ' 89D' <27' 09G 7@0D' .20' 37''"7<49B' : 5057B8.4?06/ .7' ; 0' =7CG : 5460D' 49' .20' =096A6 ' .7' B4?0' .2045' ?7.06 ' .7' .8F0' 7334=0' .7' : 8@' .20' =8 : 4.8.479' .8I ' .7' ; 0' 0957''"0D' 49' .20' "0B4796 ' .7' 68=5434=0' 8==75D49B' .7' .20' =A6G .7C' 73' #7C0 ' 89D' .2060' <050' =8""0D' / ' # + 0 ' 6 1 >'' 20' 60=79D' ="866' <050' CA94=4 : 8"6 ' <27' 28D' 49' =7CC79 ' <4.2' .20' 3456.' C09.4790D' F49D ' 79"@' .7' ; 0' 49="AD0D' 49' .20' =096A6 ' .7' B4?0' .2045' 6A3358B0 ' .7' .8F0' : 85.' 49' : A ; "4=' 64.A8.4796 ' .7' : 8@' .54 ; A.0 ' <2+"6.' .20@' <050' D0 : 54?0D' 73' .20' 7.205' 8D?89.8B06'' ' 984"@ ' .20' .245D' ="866' <86' =7C : 760D' 73' .2760' <27' : 766 60660D' .20' - ' ' .28.' 46' .7' 68@' .2760' 97.' 98.4?06' 73' #7C0 ' 2A. ' <27' 28?49B' 0105=460D' 67C0' C8B46.58=@' 49' .2045' 7<9' =7A9.5@ ' 28D' 8=G SA450D' .20' 54B2.' 73' #7C89' ; A5B06624 : ' .7B0.205' <4.2' .28.' 73' ?7.49B ' 89D' 73' 0"4B4 ; 4"4.@' .7' : A ; "4=' 7334=0' 86' "49@' 50 : 50609.6' 4. 1 0 46' SA7SA0' SA4 ; A6' : 05' 8.4AC' =4?4.86' #7C896' : 8.A660.*0L1 ' 2A6' .58 ; 7' 50C85F6 ' .28.' 6A=2' 73' .20' 4928G ; 4.89.6' 73' 46C06 ' 49' &8A"' <27' 28D' 0105=460D' .20' : 50.75624 : ' 75' .20' 0D4"0624 : ' ; 0=8C0' .209=0G 375<85D' #7C89' =4.4\096* 1 00' 4.46=A6 ' ' 0 ' 6

7"D4056' 8"67' <27' 28D' 605?0D' 8' "79B' .4C0' 2797A58 ; "@ ' 50=04?0D' 8' D4 : "7C8' 8DC4..49B' .20C' .7' .20' 54B2.6' 73' =4.4\09624 : *

6830.@# E 0' 506.750D' .7' 9.47=2A6 ' 7CC8B090 ' <24=2' ;8D' ;009' .8F09' 357C' 24C' ;@' 8"4BA"8*

0' 609.' ;8=F' .7' :849' 4.254D8.06 ' <27' 28D' ;009' D0.8490D' 49' =28496' ;@' 8496 ' 89D' 79' 897.205' 4.254D8.06' 20' ;06.7<0D' .20' 06:75A6 ' B4?49B' 7"0C79' 8' :85.' 73' 4"4=48# 75' .20' ;09034.' 73' .20' K0<462' ' 49B' B54::8 ' <27' <86' .209' 8.' #7C0 ' 89D' <2760' 8D?4=0' 20' 28D' 679B2.' 79' 09.05G 49B' A:79' 246' 504B9 ' 20' 09"85B0D' .20' F49BD7C' 73' KAD808 ' 89D' .7' 246' ;57.205' 057D' 20' B8?0' 28"=4D090# 9' .246' .20' 3456.' @085 9 ' ' ,N' 73' "8AD4A6L6 504B9 ' .20' 4 ' <050' D0308.0D' ;@' &8";8' 89D' &8;49496# *

9' a[' 9 ' ' >N# ' 0' D0308.0D' .20' 8AG 54.894896' 89D' .20' AC4D4896' 49' ?8547A6' 09B8B0G C09.6# 0' D4?4D0D' 8A54.8948' 49.7' 49B4.8946' 89D' 60685409646# 0' =796.5A=.0D' .20' :75.' 73' 6.48' 8.' 89' 4CC0960' =76.# A54A6' 8C4""A6' =54;79489A6 ' .20' :5030=.' 73' 8"C8.48 ' 0I=4.0D' 8' 60D4.47A6' C7?0C09.' 8B8496.' "8AD4A6 ' ?.24=2' <86' 6779' :A.' D7<9 ' 4.6' 496.4B8.75' ;049B' 6"849' 79' .20' 46"89D' 73' 668*

a ' 9 ' ' HN# 0' 09.050D' A:79' 246' .245D' =796A"8.0 ' A9D05' 97?0'# =45=AC6.89406' 375' 89' 0CG :0575 ' ?4*' 86' 6A ; 6.4.A.0D' " $$ %' 49' .20' :"8=0' 73' 89' 49D4?4DA8'# D0=0860D* 1 # "8A.4A6 ' 28?49B' ;009' 609.'375<85D'49.7' 54.849 '=8554OD' 79' .20' =8CG :84B9' .2050' 6.509A7A6"@' ' ;A.' 8' 6.4""' C750' 60547A6' D46.A5;89=0' 85469B '20' <86' 6A:0560D0D' ;@' "8AD4A6' 24C60"3' <27' 84C49B' 8.' C4"4.85@' 38C0' :8660D' 7?05' .7' .20' 608.' 73' <85# 8?49B' 0I=0""09.' 7334=056' .7' D7' .20' 34B2.49B' :85.' 20' ?89SA4620D' .20' 54.796' ' <86' D0="850D' + ' 7?05' 89D' 7?05' 8B849' 89D' 83.05' 50C84949B' 49' .20' 46"89D' 97.' C750' .289' 60?09.009' D8@6' 20' 50.A590D' .7' .200' =79.4909.# A549B' 246' 8;609=0' 8' .54AC:2' 28D' ;009' D0=500D' .7' 24C' ;@' .20' 8; 0=.' 098.0' 8"67' 89' 85=; ' 89D' .20' :5034I' 73' 54.8994=A6' 375' 24CG 60"3' 89D' 246' 679' 1 M 00' * ' 89D' * ' : :#,H ' 89D' , ' 73' .246' D4=.47985@*N

T' (24"6.' 6:08F49B' 73' 54.462' 8338456' 4.' C8@' ;0' 8DD0D' .28.' 20' 0?49=0D' B0905764.@' 73' 2085.' <209 ' =285C0D' <4.2' .20' 97;"0' ;"D9066' 73' .20' =8:.4?0' 858=.8=A6 ' 20' 75D050D' .20' "4;058.479' 73' .28.' :549=0' 89D' 246' 38C4"@' 89' 8=.' .20' C054.' 73' <2=2' <4""' ;0' 4CC0D48.0"@' 30".' 79' =8""49B' .7' C49D' .20' 27554D' 38.0' .77' 73.09' 50605?0D' 375' 57@8# =8:.4?06*U' 8:.# C@.2' :# HH*Q

a ' 9 ' ' N# 0.49949B' .7' #7C0' 20' =0"0' ;58.0D' 246' .54AC:2' 7?05' .20' 54.796# 0' 09G "85B0D' .20' :8.54C7948# D7C49479' 73' # KA"4A6' 7..4A6 ' <2=2' 20' 20"D' 49' .20' D46.54=.' 73' .20' ":6' =8 9D' ;@' 246' 98C0' "' ' % ' 89D' B8?0' 24C' .20' .4."0' 73' ' 49B*

a ' 89D' aa' 9 '9# [' 89DE N# 7E7==A5G 509=0' 73' 97.0' .77F' :"8=0' DA549B' .2060' .<7' @0856' <4.2' .20' 0I=0:.479' 73' .20' ?4"0' 49.54BA06' 73' 0668"498' 89D' .20' 3500D4909 ' 97.' .7' 7C4.' C09G .47949B' .20' D450=.4796' <2=2' 20' B8?0' 506:0=.49B' .20' C7D0' 49' <2=2' 6.8.A06' <050' .7' ;0' 050=.0D*

' 9 ' ' N# 0' =0"0;58.0D' .20' .2' 8994?05685@' 73' .20' ;A4"D49B' 73' #7C0' <4.2' .20' 0I24;4.479' 73' 60=A"85' B8C06 ' ' @0856' 83.05' .2045' =0"0;58.479' ;@' ABA6.A6# 0' 8:1749.0D' 86' ' 49B' 7?05' .20' 205A6=4 ' .8"4=A6 ' 67A' 73' "8?4A6 ' .20' ;57.205' 73' 5C494A6# M 8=4.A6 ' ' "4# , N# 75;A"7' =79.49A0D' .7' =7CC89D' .20' #7C89' 85C@' 49' 7<05' &05C8948 ' 89D' 50DA=0D' .20' 54644' .7' 6A;C466479 1 <24"6.' 06:86489 ' <4.2' 246' 679' 4.A6 ' 28558660D' .20' 54.796*

' 9 ' ' N# 6' 09675 ' 28?49B' 375' 246' =7""08BA0' # 4.=""4A6 ' .20' 38.205' 73' A"A6' 4.0"E "4A6 ' 83.05<85D6' C:0575 ' 20' 50C7?0D' =05.849' C0C;056' 73' .20' 098.0 ' 89D' 34""0D' A:' .2045' :"8=06' <4.2' 7.2056# 0' =7930550D' A:79' .20' 4928;4.89.6' 73' &8""48' 58968":498' .20' :54?4"0B06' 73' 098.756' 8.' #7C0' 89D' ="760D' .20' ' .246' @085# M##0G 6:0=.49B' .20' D8.0' 73' .246' =09675624:' 600' " *' #' :# ,aH' 8"67' .20' C49.' 73' ! 0! A / 7A5G 49B' .20' 8;609=0' 73' 489D496' 8.' 6.48 ' 246' <430' 0668"498' :A;"4="@' C85540D' # 4"4A6' 8.' #7C0# 049B' 49375C0D' 73' .20' =45=AC6.89=0' 79' 246' 50G .A59 ' 20' 75D050D' 205' 89D' 205' :858C7A5' .7' ;0' :A.' .7' D08.2* 1 M 8=# ' I4*N

H' 9 ' ' aN# .' .20' ;0B49949B' 73' .246' @085' 20' C85540D' 246' B589DED8AB2.05' B54::498# .' .20' 09.508.@' 73' .20' 85.24896' 20' 609.' ;8=F' 0205D8.06' ^790' 73' .20' 568=4D60 W# ' 73' .20' "490' 73' .20' F49B6' 73' 85.248Q ' <27' 28D' ;009' D0G .8490D' 86' 8' 276.8B0' 8.' #7C0' .7' ;0=7C0' .2045' F49B* 1 4.254D8.06' 73' .20' 76:75A6 ' C8F49B' 35062' 8..0C:.6' 8 B8496.' 7.@6' <86' .8F09' :54G 67905' .7' #7C0# 20' .94 04 9D' KAD004' 79' .20' D08.2' 73' .2045' F49B6' 720C4A6' 89D' B54::8' <050' 8DD0D' .7' .20' :57?49=0' 73' @548*

H' 9 ' ' [N# "8AD4A6' 8D7:.0D' # 7C4E .496' 2097;85;A6' M83.05<85D6' .20' 0C:0575' 057N' .20' 679' 73' B54::498 ' <27' 20560"3' .20' 68C0' @085' 50=04?0D' .20' .4."0' 73' ' ' =7"79@' <86' 609.' 7A.' .7' .20' .7<9' 73' .20' ;44' 205' ;45.2G :"8=0' 89D' .7' <2=2' .20' 98C0' 73' B54::498' <86' B4?09' M97<' ' % 1 # 7C:794A6' 6A;DA0D' .20' 8..4* 1 858=.8=A6' F49B' 73' 54.849' 83.05' 8' <85' 73' 9490' @0856' <86' D0308.0D' 89D' .8F09' :54G 67905*

BH\' 9 ' # [,N# 057' :50C8.A50"@' 866AC0D' .20' ' ' ;03750' 20' =7C:"0.0D' 246' 37A5G .009.2' @085' 89D' <86' D064B98.0D' =796A"' A:79' <24=2' 7334=0' 20' <7A"D' 09.05' 79' 508=249B' .20' 8B0' 73' .<09.@' 8' :57E=796A"85' A546D4=.479' <4.27A.' .20' <8""6' 73' #7C0' <86' D0=500D' .7' 24C' 89D' 20' 50=04?0D' .20' .4."0' 73' # + '- 1 A5G 586' <86' 8:'749.0D' :5030=.' 73' .20' :50.754896' .257AB2' .20' 493"A09=0' 73' B54::498*

[' 9 ' ' [>N# 20' "4.60' 8' <4"D' 58=0' 73' :07:"0' 49' 4"4=48' 28?49B' 50?7".0D' 8B8496.' .2045' 4"7C89' C86.056' <050' :A.' D7<9# 20' 38C7A6' ' 75' 50:50609.8.479' 73' 8' 608E34B2.' .77F' :"8=0' 49' .20' :50609=0' 73' .20' 0C:0575' 79' .20' "8F0' A=49A6' 9085' #7C0*E5 1 "8AD4A6' =7CG :"0.0D' <4.2' B508.' C8B9434=09=0' .<7' 8SA0DA=.6

' .20' .2' M75' .2N' 89D' "86.' %A009' 73' B@:..' <86' ;759' .7<85D6' .20' 09D' 73' ['9s$'=# aN*1 246'=0"0;58.0D'<7C89'<86' .20' D8AB2.05' 73' .7"0C@' A"=.06' 89D' .20' 646G .05' 89D' <430' 73' .7"0C@' M+ *N' 479@64A6' 07.05A6' <27' <86' 6"849' 8.' .20' ;8..'0' 73' "0I89D548' 34B2.49B' 8B8496.' KA"486' 60685' 49' .20' @085' a '9s'=# N# =0685' ;049B' 098G C7A50D' 73' "07:8.58' B8?0' 205' .7"0C@' + # M205';57.205N' 375'8'2A6;89D'.7'=7?05'246'7<9' D064B96# A.'@7A9B' .7"0C@'<86'.8F09'733';@' :74679' 75'D57<90D'49'.20' 4"0' 89D' "07:8.58' ;0B89' .7'504B9'8"790'49'.20'@085' ,'9s'"' >N# 20'90I.'@085' 564970' 646.05'73' "07:8.58' <86' 866866498.0D';@'=7CC89D'73' 85F' 9.79@' <27' 28D'49'.A59' ;0=7C0' 83.05' 606851G D08.2' .20' :858C7A5'73' "07:8.58:89D'4.' <86' T'375" "7?0LO 73' 205'.28.'.246' ?849' 8C;4.47A6' #7C89' 8=.0D'86' 43' 20' D00C0D' Q.20' <74"D' "76. U' 9.79@' 28?49B'8.' "09B.2' D2575=0D' 246'<430' =.8?48' .20' 646.05' 73' ABA6.A6' 8' SA8550"# 89D' 8' <85' 096A0D' ;0.<009' .2760' .<7' A96=5A:A"7A6' C09' 73' ="862G 49B' 49.0506.6*1 9' >H' 9s'"' H,N' "07:8.58' 8==7C:8940D' 205' "7?05' .7' =.4AC' <4.2' 8' 3"00.' 6A:05;"@' OSA4::0D' 89D' 83.05' 246' D0308.' 3"0D' .7' "0I89D548' <2050' 6204:A.' 89' 09D' .7' 205' "430' 49' > '9s'"' H N' ;@' .20' ;4.0' 73' 89' 86:' 49' 89' A93494620D' 8A67"0AC' M<24=2' 28D' 8"508D@' 605?0D' 375' .20' .7C;' 73' 9.79@N' .28.' 620' C4B2.' 97.' ;0' "0D' 49' .54AC:2'.7' #7C0' ;@' .20' =79SA0575# ABA6.A6' 27<0?05' D0.05C490D' 8.' "086.' .7' =2849' 205' B7"D09' 4C8B0' .7' 246' =85' 89D' 83.05' 246' .54AC:2' 20' D0:764.0D' 4.' 49' .20' .0C:"0' 73' 09A6' 73' <24=2' 8==75D49B' .7' 479' 4.' <86' 8' :549=4:8"# 7598C09.*

2A6' D40D' 790' 73' .20' C76.' 78:.4?8.49B' ;A.' C76.' A9:549=4:"0D' 73' 67?0504B9' :549=06606' 8.' .20' 8B0' 73' Ha'@0856' 73' <24=2' 620' 504B90D' 60?09.009# (4.2' 205' 30"" .20' D@986.@' 73' .20' .7"0C406' 49' B@:.' 89D' 49D00D' .20' B@:.489' C7985=2@*

"07:8.58' 28D' 8' 679' ;@' KA"4A6' 80685' 80685479' =8""0D' .7"0C@' 89D' .2500' =24"D509' ;@' 85F' 9.79@' ?4*' 8' 679' =8""0D' "0I89D05' 8' D8AB2.05' 98C0D' 83.05' 20560"3' <27' <86' 83.05<85D6' ;0G .57.20D' .7' KA;8' .20' @7A9B05' M600' ! $ ' $ 6A' 89D' .7"0C@' 6AC8580D' 24"8D0":2A6*

T' 20' "08D49B' :749.6' 73' "07:8.58L6=2858=.05' <050' 8C;4.479' 89D' ?7"9:.A7A69066# A.' 49' 8""# .20' 6.7540G' 73' 205' "AIA5@' 89D' "8?462' 0I:0960' .2050' 46' 8' 6:"09D7A5' 89D' 8' B589D0A5' .28.' 67C0G <28.' 5034906' .20C# 9' .20' D8@6' 73' 205':576:054.@' 205' 8557B89=0' <86' A9;7A9D0D# 20' <86' 8?854=47A6' .7' 6A:.'@' 205' 0I.58?8B89=0' 89D' =5A0"' 75' 8.' "086.' 28D' 97' 50B85D' 375' 2AC89' "430' <209' 205' 7<9' 7;0=.6' <050' =79=0590D# 05' .8"09.6' <050' B508.' 89D' ?8540D/ 205' F97<"0DB0' 73' D4330509." "89BA8B06' <86' :0=A"485"@' 50C85F8;"0' 89D' 49' .20' C4D6.' 73' 205' C76.' "AIA547A6' 6=0906' :57736' 850' .7' ;0' .58=0D' 73' 8' "7?0' 375' "4.058.A50' 89D' 375' =54.4=8"' 50G 6085=2# 20' 8DD0D' .20' "4;585@' 73' 05B8C76' .7' .28.' 73' "0I89D548# 05' 508D@' 89D' ?0568.4"0' <4.' 205' F97<"0DB0' 73' 2AC89' 28.A50' 89D' :7<05' 73' A649B' 4.' 205' 8..58=.4?0' C899056' 89D' 205' 01G SA464.0"@' CA64=8"' 89D' 3"0I4;"0' ?74=0' =7C:850D' ;@' "A.85=2'.7' 8' C89@E6.549B0D' 496.5AC09.' 850' 8"67' .20' 69;0=.' 73' <0""E8..06.0D' :58460# 20' 24B205' :749.6' 49' 205' =2858=.05' 850' 8DC458;"@

* .7A=20D';@ 758=0'49'.20' D0' M# H N' 79' 205' D0308.' 8.' =.4AC*U 1 p 5@3 $' 4 ?' 6 '* + K' 0D4.0D';@' (# C4.2' # * 2050' 850' =7496' 73'.246' %A009';7.2' 64"?05' 89D' ;5866'<4.2';7.2' '89D' &500F"0B09D6' 0I24G ;4.49B' 205' 208D' 04.205' 8"790' 75' AB8.0D'<4.2' .28.'73' 85F' 9.79@# C79B6.' .2060' 8500.20' .<7' 37""7<49B/1

.# ' & ' # 33 ' # ' # & *1 246' "0B09D' 8:.0856' 79'.20' 50?0560' 73' 8' D0985446' 73' # 9.79@' <24=2' 8"67' 0I24;4.6' .20' 208D' 73' "07:8.58' ;064D0' <24=2' 46'.20' :57<' 73' 8' 624:' 75' 8' .AA6# 20' 7;?0560' 73' .246' 50G C85F8;"0' =749';0856'.20' 208D' 73' 9.79@' ;0249D' <24=2' 46'.20' 5C09489' .4858' 89D' 57A9D' 4.' # ' # ' * 9.79@' 28?49B' =79.5+?0D' .7' 09?04B"0' 49.7' 246':7<05' 5.8?86D06' F49B' 73' 5C0948' D0:760D' 24C' 89D' B8?0' 246' =57<9' 89D' D7C494796' .7'.20' 679' <27C' 20' M 9.79@M 28D';@' "07:8.58' *.7' <27C' 49' 68=5434=0' 73' C4" A6.4=0' 89D' .5A0':7"4=@' .20' 4938.A8.0D' .54AC?45' 6.8C:0D' .246' 50?0560' <4.2' 205':75.584.' <24=2' 286'.20' 8:.08589=0' 73' 904.205'@7A.2' 975';08A.@' .7' 50=7CC09D' 4.# 0' 8"67' B8?0' 205' .20' .4."0' 73' "6 ' ' ' $ ' ½' .20' <75D' ;049B' A9D05G 6.77DN' .20' SA009' 73' F49B6' 89D' .20' C7.205' 73' .20' 6796' 73' F49B6 1 75' 89' 09B58?49B' 73' .246' =749' " ' 73' #7C89' D4ON 1 600' :8B0' ,' 73' .246' D4=G .479 85@*

20' .06.4C79@' 73' 479' 8664A6' 6A::75.6' .20' 38=.'.28.'49'8'6:00=2'.7'.20':07:"0'73' "0I89D548' 85F' 9.79@' =7CC89D0D' .28.' "07:8.58' 627A"D' ;0'6.@"0D' %9=09' 73' '49B6' <4.2' 54B2.' 89D' .4."0' .7' B@:.'89D' @:5A6# .'46' 8"67' 50=75D0D' .28.' 73' 246' 6796' ;@' "07:8.58' 20' ;06.7<0D' @548' 79' .7"0C@' <4.2' .20' .0554.7540G' ;75D0549B' 79' .20' 0""06:79.' 79' "0I89D05' 5C0948' 89D' <28.0?05'=7A9.540G' 20' C4B2.e6A;DA0';0@79D' .20' A:258.06' 89D' 79' 246' D8AB2.05' "07:8.58' .20' D46.54=.' 73' @5090*

>#' " ' # # &# # ' # # 08D6' 73'8' C89' 89D' <7C89' 64D0';@'64D0* 6 1 #'?4#'#'#':'=# 8==2A6' 6.89D49B' 79' .20'=46.8';0.<009'.<7'605:09.6# 4"?05' 73' 85F' 9.79@*1 00' ' + 3':#'> ' 73'.246'?7"AC0* 3.05' 28?49B' =79SA050D' 5A.A6' 9.79@' C8D0' 246' 09.5@' 49.7' :206A6' <4.2' 8' :57=06647G' 73' C09' <7C09' 89D' =24"D509' ="7.20D' 86' ;8=G =289.06' 89D' 68.@56' =57<90D' <4.2' 4?@' 89D' ;085G 49B' .2@564#' "A.85=2' 50"8.06' 89' 8==7A9.' 73' .2060' 75B48' 49' <24=2' 85F' 9.79@' <86' 27G 97A50D' 86' 8' 60=79D' 8==2A6*1 9.79@' 50:08.0D' .246' 37""@' .4"" 20' =8C0' .7' .20' =4.@' 73' "0I89D548' 49.7' <24=2' 20' C8D0' .20' 68C0' F49D' 73' 09.5@' 86' 0""04A6' 8.05=A"A6' 50"8.06# 9.79@L6=46.7:2754' 6.5A=F'49' 648' <050':57;8;"@'=7490D' 8.' :206A6' <24=2' 8DD0D' .7' .20' 7.2056' .246' 6A:0547.5' C85F' 73' 8DA"8.479*

=F20"# 286' 97.' :5797A9=0D' 79' .20' D7A;.' 09G .05.8490D';@' C89@' 9AC46C8.46.6' 67C0' 73' <27C' 28?0' 8..54;A.0D' .20' 30C8"0' 208D' .7' =.8?48' 89D' 7.2056' .7' "07:8.58# 7<0?05' 20' .249F6' .28.' .20' "8..05' <7A"D' 28?0' ;009' 34BA50D' <4.2' 8' =57<90D' 208D' 43'4.' 28D' ;009' C089.' 375' 205*

.' <86' 49' > '9s' ' H N' .28.' 9.79@' A94.0D' .20' 34906.' :57?49=06' 73' 648' 89D' 354=8' .7' 246

8".27AB2' "AA48' 4.60"'3' 46' 97.' D064B98.0D' 79' 89@ 73' .20C' !2 '04.205' .20' 790' 75'.20'7.205*1 0D'09G B58?49B'49' = ' ' ' 3':# H ' I"?444# 8"67'49' ' ++ ' ?7"# 44# $ '4I* '86=20' M49' ' ' ?7"# 4# : 85.' >N ' :"8=06' 85279B6.' .20' =7498B0' 73' "9948 ' .20' =0"0 ; 58.0D' 3456.' ; 5866' 73' &8" ; 8 ' 496=54 ; 0D' ! # ! ' "o ! ' o9#!"! A ' A.' ' 46' 73' #7C89' D40 ' 6.5A=F' F ' ' 8 3' 89D' ; 0"79B6' .7' .20' 4C : 0548"# 605406 ' : 57 : 05"@ 67' =8""0D*1 0D' 46 : 8948* ' B096*1 #06 : 0=.49B' .246' 38C4"@ ' 4.' 46' A9=05.849' <20.205' 4.' <86' : 8.54=489' 75' :"0 ; 0489# .' B8?0' =796A"6' .7' #7C0' ' ; A.' 4.6' =2403' .4."0' .7' D46.49=.479' <86' .28.' .20' C : 0575' 05?8' ; 0"79B0D' .7' 4.# 9"@' .<7' .@ : 06' 850' 0I24 ; 4.0D' 49' 4.6' =749G 8B0' ' .20@' 850' 49' 6f?05 ' 86' 37""7</1 ,# 1) 1 # # # &# #' #' # # # # ' # # S# :# 850' 208D' 73' # 9.79@* 6 1 ' 4?6' # M A=4A6' 9.794A6' ^ ; 57.205 ' .20' .54AC?45Q' 796A"N# 850' 208D' 73' A=4A6# 246' =749 ' 5850' 49' 64"?05 ' 46' 73' .20' 24B206.' 5854.@' 49' B7"D ' 89D' ?8"A0D' ; @' 47990.' 8.' , > ' 35# 0D' 8' 6 : 0=4C09' 73' 4.' 09B58?0D' 49' :# ' 73' .246' ?7"AC0* > # 1) 1 8C0' "0B09D' 89D' .@ : 0' 86' .20' 3750G B749B* 6 1 # # # #' #' # *1 ' 8552 08D' 73' =.8?489A6' r685' ; 0249D' 4.' .20' ' 05@' 5850' 49' B7"D ' ?8"A0D' ; @' 47990.' 8.' , [' 35* 85=A6' 05?8 ' <2760' 98C0' 8 : : 0856' 79' ; 7.2' .20' 8 ; 7?0' D0985 44 ' <86' :57?49=48# :57ESA06.75' 73' .20' 9.794 4 ' 49' .20' .8"489' =8C : 84B9' 73' , H' 9$ ' =# , N ' .28.' 46' .7' 68@' 49' .20' <85' 73' 05A648' M97< 05A 8N ' <8B0D' ; @' .28.' : 85.@' 8B8496.' =.8?489/ .246'50' C894306.' 357C' .20' .4."0' 73' 796A" B4?09' .7' A=4A6' 9.79486# 20' 60=79D' =749' <4.2' .20' 208D' 73' =.8?489' M : 7660660D' 89D' : A ; "4620D' 375' .20' 3456.' .4C0' ; @' D"75B2064N ' T' CA6.' 28?0' ; 009' C49.0D' 49' .20' ; 0B49949B' 73' .20' @085' < 24=2' 37"G "7<0D' .20' 50=79=4"48.479' 73' .20' .<7' : 85.4060# A.' W.20@' 28?49B ' 357C' 493549B0C09.' C8D0' 79' .20' =7C : 8=.' ; 0.<009' .20C ' =7C0' .7' ; "7<6 ' 4.' 46' ="085' .28.' .20' : 75.584.' 73' 8' 370' CA6.' 6779' 28?0' =0860D' .7' 8 : : 085' 79' 8' =7498B0' < 24=2' 86' .20' 6490<6<4.2' .7' =855@' 79' .28.' 5090<0D' =4?4# <85' 28D' ; 009' 6.5A=F' ; @' .20' : 85.4\896' 73' A=4A6' 9.794A6*VL' 3.05<85D6' .246' 68C0' : 57E' SA06.75' M 85=A6' 05?8N' 28?49B' 7 ; .8490D' 246' : 85D79' 357C' =.8?489A6' r685' ; 0=8C0' .<4=0' .20' : 08=0EC8F05 ' ; 0.<009' X 85F' 9.79@' 89D' 246' : 7<053A"# 54?8"* 1 0D' #4==47' :# [* ' 8' <75D' <24=2' 64B9434 06' D0 : 54?0D' 73' 790' 0@0# .' <86' .20' 6A598C0' 73' .20' 758.48' B0A6' 89D' 758.4A6' 7D06' <85' 20' 98C0' 73' .28.' 2057' 73' "D' #7C0' <27' 8==75D49B' .7' .20' <#0"'E FA7<9' "0B09D' 75' .58D4.479' 28D' .20' =7A58B0' 04.205' 8"790' 75' 49' =79 A9=.479' <4.2' : A54A6' 85.4A6' 89D' 4.A6' 05C4A4A6' .7' 7 : : 760' .20' 8668A".' C8D0' ; @ .20' 85C@' A9D05' 756098' 79' .20' # ' F) F3 D0309D49B' 4.' <24"6.' 246' =7CG 58D06' <050' 0C : "7@0D' 49' ; 508F49B' 4.' D7<9' ; 0249D' 24C# (209' .246' <75F' 73' D0C7"4.479' <86' 9085"@' 8==7C : "4620D' 7D06' 8"" 85C0D' 86' 20' <86' .250<' 24C60"3' 49.7' .20' 4 ; 05' 83.05' 49?7F49B' .20' B7D' 73' .28.' 54?05' ' 89D' 97.<4.26.89D49B' 20' 50G =04?0D' 8' <7A9D' 49' .20' 24 :' 357C' .20' 090C@L6 C46E 64"06' 20' 6A==00D0D' 49' 246' 7 ; 0=.' ; @' 6<4CC49B' 8=5766' .20' 6.508C ' 89D' 50 74949B' 246' =7A9.5@C09*

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6' 8' .06.4C79@' 73' 8DC458.479' 375' 246' ?8"7A5 ' 89D' 49' B58.03A"# 50C0C ; 589=0' 73' .20' 0C4909.' 605?4=0' 20' 28D' 509D050D' .20' 6.8.0 ' ; @' .2A6' : 50?09.49B' .20' .5A5489' 375=06' 357C' 09.0549B' #7C0o' 86' .20@' 28D' D064B90D' .7' D7' ; @' 8' 6ADD09' 89D' A90I : 0=.0D' 8..8=F ' .20' 098.0' 89D' 07 : "0' 58460D' 8' ; 579\0' 6.8.A0' .7' 246' 2797A5' 49' .20' 7C4.4AC' 89D' 8"G "7<0D' 24C' 86' CA=2' "89D' 86' 20' =7A"D' : "7AB2' 57A9D' 49' 790' D8@# 40' =4.4\096' .77' 4.' 46' 8DD0D' <209' 8' 38C490' <86' 58B49B ' D0 : 54?0D' .20C60"?06' 73' 377D' .7' 6A : : 75.' 24C* 5# 8=8AF@ ' 49' 246' K ' $' '6 ' 7 ; 605?06 ' .28.' 8C79B' .2760' : 85.6' 73' 085"@' #7G C89' 246.75@ ' <24=2' 28D' 8' : 70.4=8# 754B49 ' <86' D7A ; ."066' .20' "0B09D' 73' 758.4A6' 7D06# 2050' 850' 60?058# ?0564796' 73' .20' 6.75@' 89D' .2060' ?0564796' D4330 5' 357C' 08=2' 7.205' 49' : 749.6' 73' 97' 6C8""# 4C : 75.89=0# ==75D49B' .7' 7"@ ; 4A6 ' 7E' 58"4A6' D0309D0D' .20' ; 54DB0' 8"790 ' 89D' : 054620D' 49' .20' <8.056# (24"6.' 8==75D49B' .7' .20' 2579 4G =06' <24=2' 4?@' 89D' 479@64A6' 37""7<0D ' 758G .4A6' 28D' .<7' =7C : 894796 ' 6<8C' 6830' .7' 62750 ' 89D' <86' "78D0D' <4.2' 2797A56' 89D' 50<85D6*U 20' D46.49BA620D' 8A.275' 73' T' 20' 8@6 U' 50G B85D6' .2060' D46=50 : 89=406' 86' =8 : 8 ; "0' 73' 086@' 0IG : "898.479 ' 89D' : 749.6' .7' .20' "4.058.A50' 73' 7A5' 7<9' =7A9.5@' 86' 3A594624 9B' <28.' 20' =7964D056' .7' ; 0' 89' 0I8=.' : 858""0# .7' <28.' C8@' 28?0' .8F09' : "8=0' 49' #7C0# 0' .249F6' 4.' 24B2"@' : 57 ; 8 ; "0' .28.' .20' C0C75@' 73' .20' <85' 73' 756098' <86' : 50G 605?0D' ; @' =7C : 764.4796' CA=2' 5060C ; "49B' .20' .<7' ; 8""8D6' <24=2' 50"8.0' .7' .20' 34B2.' 8.' ..05E' ; 7590' ; 0.<009' .20' 9B"462' A9D05' 05=@' 89D' .20' =7.6' =7CC89D0D' ; @' 7AB"86# 20@0' .77' D43305' 49' 98558.49B' 60?058# : 85.4=A"856' 73' .20' ; "77D@' T 358@0 U' @0.' ; 7.2' 50"8.0' .7' .20' 68C0' 0?09.* 1 ' 9D' 4.' 46' M8DD6' 5# 8=8A"0@N ' T' ; @' 97' C0896' A9"4F0"@' .28.' .2050' <050' .<7' 7"D' #7C89' 6.7540 6 ; 7A.' .20' D0309=0' 73' .20' ; 54DB0' 89D' .28.' <24"0' .20' 6.75@' <24=2' 4?@' 286' .5896C4..0D' .7' A6' <86' : 5030550D' ; @' .20' CA".4.AD0' .20' ' <24=2' 86=54 ; 0D' .20' <27"0' B"75@' .7' 758.4A6' 8"790' C8@' 28?0' ; 009' .20' 38?7A54.0' <4.2' .20' 758.489' 27A60*U 7' 790' 27<0?05' @79."43A"# 75' 27<0?05' 8B0D' <27' 286' 508D' M89D' <27' 286' 97.508DzN' .20' #7G C89' 6.75@ ' <4""# 0?05' 375B0.' .20' 4C : 5066479' C8D0' 79' 246' C49D' ; @' .20' 6.45549B' 49=4D09.6' 73' .246' ?8"489.' D00D' 73' : 8.547.4=' D0?7.0D9066 ' .7' <24=2*

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' * ' # # >> '

=4.@' 8"508D@' 7==A:40D' ;@' 790# 4=057' 0"7SA09."@' 0I:506606' 246' D468::57;8.479' 73' 6A=2' 8' C086A50 ' <209' 6:08F49B' 8B8496.' # 9.79@' <27' 60.."0D' 8' =7"79@' 8.' 86 49AC'/1 T' ' 28?0' 86605.0D U' 20' 68@6' T'.28.' 97' 90<' =7"79@' =89' "0B8""@' 20'49G .57DA=0D' 49.7' 790' 8"508D@' 60.."0D' <4.2' .20' DA0' =050C79406' :57?4D0D' .20' "8..05';0'49' 8' :576:05G 7A6' =79D4.479' ' D09@' .28.' 90<' =7"7946.6' =89' ;0' 0957""0D' .205049# 7A' 27<0?05' =85540D' 8<8@' ;@' @7A5' 8557B89=0' 28?0' 49' D03489=0' 73' 8"" .20' 5A"06' 73' 8A6:4=06' W75 3%' 609.' 7A.' 8' =7"79@' .7' 86 49AC' 8' :"8=0' 8"508D@' =7"794\0D' ;A.' 8' 30<' @0856' 8B7*U 1 A.' <28.0?05' .20' "8<' 79' .246' 6A;0=.' C4B2.' 28?0' ;009' 49' "8.05' .4C06' 4.';0G =8C0' 7;67"0.0' 375' ABA6.A6' 89D' 83.05' 24C' 057' 609.' 8' 35062' =7"79@' .7' A.072' <24=2' 8=G =75D49B' .7' 4?@' <86' 790' 49' .20' @085' A# =# [' 9$ ' " ' ,a N* 1 @B49A6' 286' 6A::"40D' .20' =8A60' 73' .246' :57=00D49B' 49' 89' 8""A6479' .7' ABA6.A6'/1' V' 0' C8D0' =7"7946.6' 73' .20' .577:6' <24=2' 28D' 605?0D' A9D05' 9.79@' 75' 0:4DA6' 0SA8 @' <4.2' .20' 67"D4056' 73' 246' 7<9' "0B4796' D46.54;A.49B' .20C' .257AB2' .8"@' 89D' .20' :57?49=06' ' D06.57@G 49B' =05.849' =4.406' 73' .20' 090C@' 20' 06.8;"4620D' 90<' 7906' ' 67C0' 20' :"89.0D' 49' .20' 7"D' .7<96' 89D' B8?0' .20C' .20' .4."0' 73' =7"7946.6# 9D' C7507?05' .7' .2760' =4.406' <24=2' 28D' ;009' 60.G ."0D' ;@' .20' F49B6' 75' .20' D4=.8.756' ;A.' 0I28A6.0D' ;@' .20' 0?09.6' 73' .20' =4?' '<856' 20' 8B849' B8?0' .20' 98C0' 73' 8' =7"79@' 89D' 49=50860D' .20' 9ACG ;056' 73' .2045' =4.4\096' 49' 67C0' 496.89=06' 0I.09DG 49B' .2045';7A9D85406*U

20' 3750B749B' 49375C8.479' 3A5946206' A6' <4.2' .20' ?8547A6' =8A606' <24=2' "0D' .7' .20':"89.49B' 73' =7"79406' 83.05' .20' =7CC79<08".2' 28D' 38""09' 49.7' D0=8@# A.' <28.' 8' D4330509=0' ;0.<009' .2060' 89D' .20' =7"79406' 609.' 7A.' DA549B' .20' 3"7AG 546249B' :0547D' 73' .20' 6.8.0' ' .' 46' <75.2' <24"0' .7' 97.0' 27<' 4.' 46' D06=54;0D' 49' .20' 60?050' "89G BA8B0' 73' 8=4.A6' <209' 6:08F49B' 73' .20' .4C06' 73' 057'/1 T' 75' 97.' 86' 49' 375C05' .4C06' <050' "0B4796' 609.' 7A.' <4.2' .2045' .54;A906' 89D' =09G .A54796' 89D' 67"D4056' 73' 0?05@' 589F' .28.';@' .2045' A9479' 89D' 8..8=2C09.' .20@' C4B2.' 375C' 8' =7CG CA94.@' ' ;A.' 49D4?4DA8"6' A9F97<9' .7' 08=2' 7.205' 49' 6.58BB"49B';89D6' <4.2' 97' 50=7B94\0D' "08D05' <4.27A.' .20' ;79D' 73' CA.A8#' B77D<4 ' B8.2050D' .7B0.205' 6ADD09"@' 86' 4.' <050' 357C' 8' 37504B9' 58=0' 73' ;049B6' ' 2' C7."0@' =57<D' 58.205' .289' 8' =7"79@*U

20' =796.4.A.479' 73' .20' =7"79406' <86' 97.' .20' 68C0' 49' 8 ' =8606# 75' 67C0' <050' =7C:760D' 73' #7C89' =4.4\096' ' A:79' 67C0' .20' - ' 79' 7.2056' .20' - ' '<86'=7930550D'D7A;.G "066' 8==75D49B' .7' .20' 2AC7A5' 73' .20' 098.0' 89D' 07:"0' 89D' 83.05<85D6' 73' .20' r6856# T 9' <28.' 27<0?05' =79646.0D' .20' D46.49=.479' 73' .2060' .2045' ?8547A6'=79D4.4796' ' <28.' B508.05' 8DG ?89.8B06' 8==5A0D' .7' 790' 7?05' 897.205' <28.' <86' .20' 6.8C:' 89D' =2858=.05' 73' 08=2 1 286' W8DD6 =F20"N'=79.49A0D'.7'3A59462'.20'C76.'0C4G 909.' 8A.2756' <4.2' 8' ;790' 73' =79.09.479' 89D' .20' A6A8# 506A".6' 98C0"@' .28.' .20@' D43305' 0?09' 49' 06609.48"6' 89D' .28.' <0' 850' "03.' .7' .246' ?05@' D8@' <4.2' .20' 6F049' 73' .20' =79.57?056@' 6.4"" .89B"0D*U

' ' *1 7"79406' 49' .20' #7C89' 8==0:.8.479' 73' .20' <75D' <050' .7<96' 75' "89D6' 4928;4.0D' ;@' =4.4\096' 609.' .24.205' 79' .20' 8A.2754.@' 73' .20' 098.0' 89D' 07:"0' 89D' 8""7<0D' 79' =05.849' =79D4.4796' .2045' 506:00.4?0' :75.4796' 73' .2760' .0554.75406' 375' .20' :A5:7606' 73' 28;G .8.479' 89D' .4""8B0*1 .' 46' 8' <0"# 06.8;"4620D' 38=.' .28.' 357C' .20' 085"406.' :0547D' 73' .2045' 0I46.09=0' 86' 8' 98.479' .20' =A6.7C' :50?84"0D' 8C79B' .20' #7C896' 73' .5896:"89.49B' =7"79406' 49.7' .20' =7A9.5@' 73' .2045' =79SA050D' 090C406' 89D' .28.' 4.' =79.49A0D' 86' "79B' 86' .2045' :7<05' "86.0D#' 20' :58=.4=0' <86' :57DA=.4?0' 73' B508.' ;09034.6' .7' #7C0# 75' ;@' 4.6' C0896' 8' =20=F' <86' :57?4D0D' 8B8496.' .20' A9DA0' 49=50860' 73' 8' :775' :7:A"8.479' :5790' .7' =289B0' 89D' .20' =7"7906' 73' #7C89' =4.4\096' .2A6' D46.54;A.0D' 7?05' .20' <75"D' <050' 67' C89@' 7A.<75F6' 73' .20' =4.@' <24"6.' .20' 67"D405@' 49' .20' 8::75.479C09.' 73' .20' "89D' 50=04?0D' .20' 50<85D' 73' 285D' 605?4=0# 20' =7"79406' 73' .20' "86.' C09.4790D' F49D' <050' =8""0D' 3 1 .' 46' 3A5.205' .7';0' 7;605?0D' .28.' 60?0G 58# =4.406' 8=SA450D' .20' 54B2.6' 73' 8' =7"79@' .27AB2' 6.4"" 7==A:40D';@' .2045' 754B498# 4928;4.89.6' 89D' <4.27A.' .20' 49.05C4I.A50' 73' 37504B9' =7"7946.6# .' <86' 49' .246' C89905' .28.' KA"4A6' 80685' 83.05' 246' ?4=.75@' 7?05' .20' 7C:0@6' 49' :849';06.7<0D' A:79' .20' ?8547A6' .7<96' ;@' <2760' 34D0"4.@' 89D' =7E7:058.479' 20' 28D' :5734.0D' 04.205' 3500D7C' 75' .20' 54B2.6' 73' =4.4\09624:' 75' .20' :54?4"0B06' 73' #7C89' =7"79406# 6=79496' 49' 8""A6479' .7' 7CE' :0@' .20' 38.205' 73' 7C:0@' .20' &508.' 89D' .20' =7"79406' ;0@79D' .20' 54?05' 7' " + -' 286' .20' 37""7<49B' 0I:50664796/1 T' 75' 7C:0@' D4D' 97.' 06.8;"462' .20C' <4.2' 35062' =7"7946.6';A.' 8""7<49B' .20' 754B498# 4928;4.89.6' .7' 50C849' =79G 30550D' A:79' .20C' .20' - ' 2' 9' 7.205' =8606' 90<' =7"7946.6' <050' 8667=48.0D' <4.2' .20' 98.4?0' 7==A:89.6' 86' 8.' C:75480' 49' :849' 75' 8.' B54B09.AC' 8==75D49B' .7' 4=057' 89D' 8.' 85E' .=48*1 9D00D' 4.' 67C0.4C06' 7==A550D' .28.' 8' =7"79@' <86' =7C:760D' :85."@' 73' 67"D4056' 89D' :85."@' 73' 8' CA".4.AD0' D58<9'.7B0.205' 357C' 8""' 67A5=06' 89D' ="86606# 2A6' <0' "0859' ;7.2' 357C' =7496' 89D' 357C' .20' 8A.2754.@' 73' .58;7' .28.' 8' C4"4.85@' =7"79@' <86' :"89.0D' ;@' ABA6.A6' 8.' 8.5C' 49' =2848# 9D' 8A68A486' 3A5.205' .0 6'A6' .28.' .20' 4928;4.89.6' 73' .20' 904B2;7A549B' .7<96' <050' ;@' .20' 68C0' 0C:0575' 75D050D' .7' C4B58.0' .7' .28.' =7"79@*

==75D49B' .7' .20' 89=409.' "8<' 4.' <86' 20"D' 8' :573898.479' .7' 49.57DA=0' 8' 90<' =7"79@' 49.7' 89@

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.7558' Ev ' 46' 37A9D' 79' 79"@' 8' 649B"0' =749' 73' 8975CA6 ' 89D' .28.' 50B85D0D' 88' 8' D7A ; .3A"≠ 790*

6' 8' B09058"≠ 5A"0 ' .20' #7C89' =7"79406' A60D' .20' ' .79BA0' 79' .2045' =7496 ' 86' 49D00D' D4D' =@09' 7549.2 ' 8".27AB2' 64.A8.0D' 49' .20' ?05@' 2085.' 73' &50000 ' 89D' 8"67' .20' =7"79406' : "89.0D' 49' 27094=489' 75' 58 ; 489' =4.406≠ A.' .20' &500F' "89BA8B0' <86' :5030550D' ;@' 24""4 : 7 : 7"46' 73' 258=0 ' 89D' 20668"D94=8' 73' 8=0D7948 ' 49' AG 57 : 0' ' ;@' @898' 73' 8 : : 8D7=48 ' 9.47=2' 73' @548 ' 89D' .20' 067 : 7.8C489' =7"79406' 49' 648 ' 0"48' 8 : 4.7"498 ' 49' KAD608 ' A60D' ; 7.2' .79BA06≠ 20' + ' A60D' 79"@' .20' 8.49 ' 89D' .20@' 49D4=8.0' .2045' =79D4.479' ;@' .20' 496=54 : .479' ≠ 75' ≠ 75' 4=4 ≠ =≠ 9' 67C0' 8 : : 085' .20' <75D' *1 00' .2760' <75D6' ' \ ' ' ' ' $ EEEE 064D06 .20' 8 ; 7?0' C09.4790D' <75D6 ' 0I : 50664?0' 73' .20' 6.89D49B ' 75' =796.4.A.479 ' 73' 8' .7<9 ' <0' 349D' .20' 8DD4.479' 73' 0 : 4.20.4=84' 98C06' 79' =7496' 73' =7"79406' 89D' 73' + ' .7B0.205' <4.2' 7.205' 97.434=8.4796/ <24=2' 850' .7' ; 0' 0I : "8490D' 86' 37"G "7<6 / 1

9' ; 06.7<49B' 79' 89@' =4.@' .20' : 54?4"0B06' 73' 8' =7"79@ ' 75' 73' 8' + ' 4.' 5850"@' 7==A550D' .28.' .20' #7C896' 8D7 : .0D' .20' : "89 ' 67' 73.09' : A5G 6A0D' ;@' 7.205' =4.406 ' ?4\≠ .28.' 73' 8 ; 7"46249B' .20' 7"D' 98C0' 73' .20' : "8=0 ' 89D' 6A ; 6.4.A.49B' 8' 90<' 790≠ 9D00D' .20@' 0?09' <09.' 67' 385' 86' .7' ' .20' 89=409.' 98C0' .7' =4.406 ' <24=2' .20@' 28D' 50G 6A6=4.8.0D' 357C' A..05' 5A49 ' 89D' : 07 : "0D' <4.2' .2045' =7"7946.6 1 8' =45=AC6.89=0' <24=2' 46' F97<9' .7' 28?0' .8F09' : "8=0' 49' .20' =8606' 73' 85.28B0' 89D' 7549.2*

C79B6.' .20' =7"79406' .28.' "76.' .2045' 89G =409.' 8 : : 0""8.479 ' <050' 8"DA ; 8 ' 49' : 849 ' <24=2' <86' 98C0D' 60685E8ABA6.8 ' 405767"@C60' MK05AG 68"0C\' 83.05<85D6_=84"0D' Kz"48' 8 : 4.7"498' M600' : ≠ , [N ' 89D' 67C0' 7.2056≠ (24"6.' .20' 7"D' 98C06' 73' .20' =7"79406' M89D' + ⅛ <050' .2A6' .09G D05"@' 508.0D ' .20' =7"7946.6' <050' 49' .20' 28 ; 4.' 73' 8DD49B' ?8547A6' .4."06 ' 75' "8AD8.75@' 0 : 4.20.6 ' 04.205' 79' .2045' 7<9' 8A.2754.@ ' 75' ;@' : 05C466479' 73' .20' 098.0 ' 75' 73' .20' C : 05756 ' 89D' 60..49B' .20C' 375.2' 79' .2045' : A ; "4=' C79AC09.6* 1 7' 79' 8' ; 5866' .8 ; "0." : A ; "4620D' ;@' &5A.05 ' .20' F ' ' *3M ' 85=' 6.@"0D' =7"79406' 73' T' 79G =75D48 ' +K" : 48 ' 58 898 ' ABA6.8 ' 5AB{3058 ' 89D' 8D5AC0.498*U 1 75' 850' =7496' 3500' 357C' .246' D46 : "8@' 73' ?894.@≠ C79B' 7.2056' .20' : 8C0E' 94896' 73' 4.2@948' A60D' .20' "0B09D' " o ' ! o ' 4 4 ' 1<' (' M 00' : ≠ ,' 73' .246' D4=.479G 85@N≠ 20' 7 : 49479' 73' 84 89.' .28.' : 8C08' <86' =8"0D' 79=75D48 ' 49' 8""A6479' .7' 4.6 8""489=0' <4.2' .20' 904B2 ; 7A549B' 5A68 ' 286' ; 009' =7550=." @' 503A.0D' ;@' 0""0@0 ' <27' 86605.6' .28.' .20' .4."06" ; 06.7<0D' 79' =7"79406' D4D' 97.' 8.' 8""' 50305' .7' .2045' 89=409.' 2A.' .7' .2045' 8=.A8"' =79D4.479=4 1 ' =F20" ' 49' =4.49B' .20' "08590D' ; ; 0L6' 8A.2754.@' 79' .246' : 749. ' 8DD6' .28.' 20' 28D ' 27<0?05' 24CG 60"3' 37A9D' 49' ≠ K760 : 2A6 ' 8' =05.849' : "8=0' 79' .20' ; 75D056' 37G &8"4"00' <24=2' 46' 508""@' 98C0D' @1+< ' 4≠ 0≠ ' H≠ ' ' 1 6' .20' &50=489' =4.406' 50=75D0D' 79' .2045' =7496' .2045' C8B46.58.06' 73' ?8547A6' 589F6 ' 6A=2' 86' 5=2796 ' 50.756

=54 ; 06 ' 0≠ 67" "4F0<460' D4D' .20' #7C89' =7"79406' 89D' + ' : 85.489A6 ' <24"6.' 09AC058.49B' .20' D4330509.' 7334=06' 605?0D' ;@' 8D5489' 49' 60?058"≠ =4.406 ' 68@6≠ T' .257AB27A.' .20' 8.49' .7<96' 20' <86' 6.@"0D' 4=.8.75 ' 89D' D4"0 ' 89D' AAC?45 ' 49' 246' 7<9' =7A9.5@ ' 8' %A49SA0998"46*U' 9' =7496' =7990=.0D' <4.2' .20' : 50609.' 6A ; 0=.' 8 : : 085' .20' 37""7<49B' 86' "7=8≠ C8B46.58.06 ' ?4*/ D4"06 ' 0=A547906 ' AAC?454' %A4ASA0998"06 ' 5030=.4 ' %A8.A75?454' 54AC?454≠ 3' 8""≠ .2060' ; 5403' 97G .4=06' <4""≠ ; 0' 37A9D' A9D05' .2045' 506 : 0=.4?0' 8" : 28G ; 0.4=8≠ 208D6*

' ' , 1 6' 8.' #7C0' .20' D4"06' M600' : ≠ , >N' <050' 50=F790D' 8C79B' .20' C8B46.58.06' 73' .20' 24B206.' 589F ' .2045' 7334=0' E ; 049B' .7' 6A : 05G 49.09D' .20' C898B0C09.' 73' .20' =7CC05=0 ' : 57G ?464796 ' 89D' : A ; "4=' B8C06' 73' .20' =4.@ ' 67' 8"67' .20' =7"79406' <24=2' <050' 67' .7' 6 : 08F ' 6C8""≠ 4C4.8.4796' 73' #7C0' 28D' ' D4"06 ' 6A ; 0=.' .7' .20' 8A.2754.@' 73' .20' =2403' C8B46.58.0≠ 20' =7496' 73' 8"8BA5546 ' 0"68' 0 : .46 ' 854AC ' 8BA9.AC ' 89D' A54867 ' 620<' .28.' .2760' =7"79406' 28D' .2045' AAC?454' .2760' 73' 85.048' 89D' "9948 ' .2045' %A8.A75?454' 89D' 8""≠ 73' .20C' .2045' D4"06* 1 ' 85D498"≠ 7546' 50=75D6' 3A5.205' 0I8C : "06' ; 0G 64D06' .2760' 79' =7496* 1 7507?05' 4.' 46' =05.849' .28.' .2050' <050' 67C0' =7"79406' 89D' + ' 49' <24=2' D4"06' 8=.0D' 86' =2403' C8B46.58.06≠ ' : 5773' 73' .246' C8@' ; 0' 37A9D' 79' 5030509=0' .7' 89' 73.ESA7.0D' : 8668B0' 73' : 85.489A6 ' 8==75D49B' .7' <24=2' 8D5489' A' <86' 4=.8.75 ' 89D' , ' 89D' AAC?45 ' .257AB27A.' .20' 8.49' .7<96' 975' 46' 4.' ; @' 89@' C0896' .7' ; 0' 4C8B490D' .28.' 89@' 2797A5' <7A"D' 28?0' ; 009' =7930550D' ; @' .20' =7"79406' 79' 89' 0C : 0575 ' <24=2' <86' 97.' 20"D' 49' .20' 24B206.' 06.4C8.479' ; @' .20C60"?06≠ 97.205' ="085' .06.4G C79@' 46' 3A594620D' 357C' 4=057' 6 : 08F49B' 73' 5 : 4AAC / 1 T' 75 U' 20' 68@6' T' 49' 75D05' .7' 06.8G ; "462' 8' + ' 4.' 286' .246' @085' ; 009' C@' <462' .28.' C@' 679 ' C@' ; 57.205L6' 679 ' 89D' ≠ 6064A6' 627A"D' ; 0' 0"0=.0D' D4"06' 375' .28.' 46' .20' 3' 3' <24=2' 4.' 46' .20' =A6.7C' .7' =508.0' 49' 7A5' + N' 246' : 8668B0' 3A5.205' 620<6' .28.' .2050' <050' =7"79406' 89D' + ' <24=2' <050' B7?0590D' ; @' ' D4"06≠ 7496' D7' 97.' 50=75D' C750' .289' & ' 2050' 46' 350SA09.' C09.479' 73' .20' D4"06' 73' + ' 79' 89=409.' C85 ; "06* 8"8BA5546 ' 0"68' 89D' 7.205' =7"79406' 28D' .2045' AAC?454' 8'AD' @0.' .2060' <050' 97.' 8"<8@6' 01G 24 ; 4.0D' 79' .2045' =7496 ' ; A.' 49' .2045' 6.08D' 67C0G .4C06' .20' D4"06' 8' C8B46.58=@' 73' 89' 49305475' B58D0≠ =F20"L6' C7D0' 73' 8==7A9.49B' 375' .246' 46' .28.' T' .20' 7"7948≠ D4"06' 28D' .2045' 98C06' 49G 6=54 ; 0D' 79' =7496 ' 375' .20' 68C0' 75' 8' 64C4"85' 508679' 86' .28.' <24=2' "0D' .7' .20' 98C06' 73' .20' ' 89D' #) ' D4"06' ; 049B' 496=54 ; 0D' 79' .20' #7C89' D098544≠ 75' 86' 8.' #7C0' .20' ; A649066' 73' 6.54F49B' C790@' <86' 09.5A6.0D' .7' .20' 50.756 ' %A06.756' 89D' D4"06' 79' <24=2' 7==86' 64796' .2045' 98C06' <050' 49.57DA=0D' 79' .20' =7496 ' 67' 49' .20' =7"79406' "4F0<460' <20.205' .20' : A5G : 760' C4B2.' ; 0' .7' : 57?4D0' =759' 75' =0"0 ; 58.0' : A ; G "4=' B8C06' A96.8C : 0D' ; 5866' <86' B4?09' .7' .20' D4"06' <24=2' .20@' <050' .209' .7' C49.' 375' 4CC0G D48.0' A60' <4.2' .20' 49605.479' 73' .2045' 7<9' 98C06' 375' 8' 64C4"85' 508679*U ' ' . EEEE 0=A54798.0' 73

73' 0:.0C;05# 46' C7.205' B8?0' ;45.2' 8.' .20' 68C0' .4C0' .7' 897.205' 679' 98C0D'

89D' 49' 5030509=0' .7' .20' 0?09.# 4 ':' ;A.' .28.'=24"D' D40D' 8.' .20' 8B0' 73' 37A5' @0856# 8:4.7E "49A6' 27<0?05' B4?06' 4.' 86' 246' 7:49479' .28.' 7CC7D446' <86' .20' 679' 97.' 73' A50"4A6' 2A.' 73' 67C0' B"8D48.75# (24=20?05' 73' .20' .<7' C8@' ;0' .20' =7550=.' ?056479' 4.' 46' =05.849' .28.' A50"4A6' =796.89."@' 8=F97<"0DB0D' 24C' 86' 246' 7<9' =24"D' 89D' <86' CA=2' 8..8=20D' .7' 24C' 350SA09."@'=855@G 49B' 24C' 49' 246' 85C6' 89D' 620<49B' 24C' .7' .20' 67"D4056' 89D' 97.' 79"@' 09D08?7A50D' 24C60"3' .7' 496.4# ?45.A7A6' :549=4:"06' 49.7' 246' C49D' 2A.' 8"67' =7CC4..0D' 246' 0DA=8.479' .7' .20' =850' 73' C09' 50G C85F8;"0' 375' .2045' C758# 89D' 49.0""0=.A8# SA8"4G 34=8.4796' <4.2' 27<' "4.."0' ;09034.' <86' 620<9' .257AB27A.' .20' <27"0' 73' 246' 8.57=47A6' =85005*

9' a,a' ¯ ', N' 7CC7DA6' 50=04?0D' .20' .4."0' 73' 4 *' 49' =79 A9=.479' <4.2' 246' ;57.205' 994A6' 0598' 8.' .20' 50SA06.' 73' *' 05A6' 79' .20' 7==86479' 73' .20' .54AC:2' ="0"0;58.0D' ;@' ;7.2' 0C:05756' 7?05' .20' 85.24896*

a>['9 ' ', >N# 0' <86 6.@"0D'& * !"

a>' 9 '7', [N# W DC4..0D' 86' 8' :5406.' 49.7' 8"" .20' 68=05D7.8# ="'"0B06' 20' <09.' .20' 68C0' @085' 357C' 7580' 49.7' &05C8948' ;@' 75D05' 73' 246' 38.205' <27' .2050' =7930550D' 79' 24C' .20' ' 8.' .20' .4C0' 73' .20' 50?7".' 73' ?4D4A6' 8664A6' 4# 0# .20' .2' 73'KA"@# 9' .28.'7==86479' 20' <86' 8"67' 6.@"0D' #*! " # '!J$! ' 89D' ;03750' .20' =A6.7C85@' .4C0' 97C498.0D' =796A"# 8C0' @085' 20' 60.' 7A.' <4.2' 246' 38.205' 375' .20' 86.' 49' 75D05' .7' :A.' 89' 09D' .7' .20' D46.A5;89=06' 6.4"# 506A".49B' 357C' .20' 50?7".' 73' 8664A6# 20' .4."0' 73' # ' <24=2' A50"4A6' 866AC0D' .246' @085' <86' 8"67' 62850D' ;@' 7CC7DA6*

a>a# 9 ' ', N# 7<85D6' .20' ="760' 73' .246' @085' 20' 50.A590D' <4.2' 246' 38.205' 357C' .20' 86.' 89D' 50=04?0D' 49' =79 A9=.479' <4.2' A50"4A6' .20' .4."0' 73' # #' 79' .20' > .2' 73' 7?0C;05# 20' 2797A56' 73' 8' .54AC:2' 375' ?4=.75406' 7?05' .20' &05C894' 89D' 85C8.80' <050' =7930550D' ;@' 8' 098.A6' 7969".AC' A:79' 246' 38.205' 89D' 24C60"3' 79' .20' >H5D' 73' 0=0C;05# 275."@' 83.05<85D6' 20' <86' 8667=48.0D' ;@' A50"4A6' 49' .20') ' # ':' 79' <24=2' 7==86479' 8' ' <86' D46.54;A.0D' .7' .20' :07:"0*

aH' 9 ' ', N# 9'K89A85@' 73' .246' @085' 20' + ' 796A"' 8;7A.' .246' .4C0' 20' C85540D' 546:496# 20' 68C0' @085' A50"4A6' =7930550D' .20' .4."0' 73' & ' 89D' 8"67' .28.' 73' (*' (D *!:' 79' 246' A9<75.2@' 679' ' 89D' 49' =7960SA09=0

73' ?4=.75406' B8490D' 8667=48.0D' 24C' <4.2' 24C60"3' 86' # * *'

aH,' 9 ' ', N# 9' .20' [.2' 73' ABA6.' 20' 60.' 7A.' <4.2' 246' 38.205' 375' .20' <85' 49' &05C8948*

aH>' 9 ' ', aN# 7CC7DA6' <86' :50609.' 49' .20' &05C89' =8C:84B9# ';"77D@' ?4=.75@' <86' B8490D' 7?05' .20' 84E=7C8994' .20' 05C89DA54' 89D' .20' 85C8.60' 49' =7960SA09=0' 73' <24=2' AG 50"4A6' <86' 6.@"0D' ! #' 6' 89D' 7CC7DA6' ! #' !

aHH' 9 ' ', N# 85=A6' A50"4A6' D@49B' 79' .20' , .2' 85=2' 7CC7DA6' 6A==00D0D' .7' .20' 67"0' 67?0504B9.@# 08?49B' .20' <85' 6.4' A9G 3494620D' 89D' =79="AD49B' 8' :08=0' <4.2' .20' ;85G ;854896' 375' <24=2' 86' 4.' <7A"D' 8::085' 20' 50G =04?0D' .20' ?4=.7547A6' .4."0' 73' ! #' ! '20' 50.A590D' .7' 7590' 89D' =0"0;58.0D' 8' .54AC:2*

aH['9 ' ', >N# 7.249B' 73' 4C:75.89=0' 46' 50=75D0D' .7' 28?0' .8F09' :"8=0' A9D05' .246' 504B9' DA549B' .20' :50=0D49B' @085# A.' 49' .20' "8..05' :85.' 73' .246' @085' 7CC7DA6' <86' D0="850D' ! D # * *' 1' ;@' 8==8C8.479' 8==75D49B' .7' .;=' .06.4C79@' 73' =7496' 8".27AB2' 49' 50<85D' 73' <28.' ?4=.75@' 46' 97.' F97<9' 375' 246.754896' 50=75D' 60?058# <856'=79DA=.0D' ;@' 246' "40A.0989.6' <4.2G 7A.' 6:0=4"@49B' D8.06*

aH' 9 ' ', HN# 05?49B' .20' =796A"8.0' M4?*N' <4.2' A34D496' 40.75489A6' 375' 246' =7""08BA0' 7CC7DA6' <86' 6.@"0D' ! #' !' 8.' .20' ="760' 73' .246' @085' .27AB2' 4.' 46' A9=05.849' 375' <28.' ?4=G .75@# 4 0C79.' 0I:506606' 246' 7:49479' .28.' 4.' <86' 375' 790' 7?05' .20' 54.796# 7CC7DA6' 06=8:0D' 8' D89B057A6' =796:458=@' 60.' 79' 377.' ;@' 246' 646.05' A=%"8' <27C' 86' <0"" 86' 246' <430' 20' =8A60D' .7' ;0' :A.' .7' D08.2# 246' @085' .20' 8B97G C09' 73' '46' 8DD0D' .7' 246' .4."06*

aH' 9 ' ', N# 20' .4."0' # ' 6' ;0G B496# 246' @085' .20' 8"0D794896' 28?49B' =57660D' .20' <8"" 89' 4C:75.89.' <85' <86' <8B0D' <4.2' .20C' ;@' .20' #7C89' 375=06' 49' 54.849' A9D05' .20' B09058"624:' 73' ":4A6' 8500""A6' 8' C89' 73' .20' 24B206.' C4"4.85@' 5097<9' 49' =7960SA09=0' 73' <2760' ?4=.75406' 7CC7DA6' B8490D' 3456.' .20' .4."0' 73' # # 89D' 83.05<85D6' 73' 9F

aH' 9 ' ', [N# 20' 67"D4056' D0CC89D0D' .28.' 0509946' .20' :50.75489' :5030=.' 627A"D' ;0' B4?09' A:.' .7' 010=A.479# 0554340D' ;@' .2045' 2508.6' 7CC7DA6' 6A5509D050D' 24C' .7' .2045' 3A5@' 89D' .20@' :A.' 24C' .7' D08.2' <4.2' 246' <27"0' 38C4"@# 3.05' .246' 7CC7DA6' 50=04?0D' .20' .4."0' 73' % 0!6

aH' 9 ' ', N# 9' 246' 343.2' =796A"8.0' 7CE C7D98<86' D0="850D' ! # * *' !!!' ;@' 8==8G C8.479' ;A.' 375' <28.' ?4=.75@' 46' D7A;.3A"# .' 46' 8"67' A9=05.849' <28.' 7==A5509=06' 850' .7' ;0' 86G 64B90D' .7' .20' 6A==00D49B' @085*

a ,' 9 ' ', N 9' :50.09=0' 73' 89' 0I:0D4G .479' .7' 354=8' 20' "0?40D' 8' ?86.' 6AC' 73' C790@# 9D' 49' :54# ' <050' 09.050D' 49.7' 375' 246' 6A==066# 0.8490D' 27<0?05' 8.' #7C0' ;@' 246' $ $ ' 098.0' 89D' 07:"0' 20' 8 4:"40D' .20' =862' .7' 3086.49B' 89D' B8C49B*

a >' 9 '9#', aN# 7' .246' @085' 4""0C79.' 86G 64B96' 897.205' =7<85D"@' 8;89D79C09.' 73' 8' :A;"4=' 2@A9=.47985@' .7' .20' ?09B089=0' 73' 8' CA.497A6' 67"G D405@# "089D05' .20' :50.75489' :5030=.' "4F0' 246' :50D0=06675' 0509946' <86' B4?09' A:' ;@' .246' ;860' 0C:0575' 8.' .20' 3456.' 6ACC796' 89D' <4.2' 246' <27"0' 38C4"@' <86' 6"8AB2.050D*

*

=7496 8 ; 9AD89."@ .06.43@# 04=A"06 !9D 8==2A6 850 : 50609.0D 79 .20 8 ; 7?0 =749 86 .20 8D7 : .0D DO4.406 73 0?09_ 0 20 38.205 89D .20 98.4798" B7D6 73 858=8""8 89D &0.8 086 .27AB2 .20@ <050 =285B0D <4.2 ; 549B49B 8 ; 7A. .28. A9894C4.@ 60.<009 .20 ; 57.2056 <24=2 <86 .20 3456. 7 ; 0=. 73 8 98.479L6 : 58@056* 1 =F2=" ?44# H, *

& # * 1 20 C : 0575 "0I89D05 0?05A6 89D .20 C : 5066 85 ; 48 5 ; 4898 6.89D49B 89D B4?49B 08=2 .20 54B2. 289D .7 .20 7.205# 456. ; 5866 73 "0I89D05 0?05A6 89D 3456. 89D 60=79D ; 5866 73 5 ; 4898# .205 =7496 73 5 ; 4898 49 B7"D 89D 64"?05 0I24 ; 4. 79=75D 608.0D* 1 00 *$!

20 6.8.0 73 D7C06.4=285C79@ 6A ; 646.49B ; 0C .<009 89 0C : 0575 89D 246 3 75 58.205 .28. <24=2 .2045 6A ; 0=.6 <050 6A : : 760D .7 <462 .20C <86 50 : 50609.0D 67C0.4C06 ; @ 790 67C0C .4C06 ; @ .20 7.205 73 .2060 .@ : 06# !

EEEEEE A6.6 73 0?05A6 89D KA"48 7C98 64D0 ; @ 64D0# 9 B7"D 73 858=8""8 1 ^ 246 ?05@ 5850 =749 49 349D =79C D4.479 ; 57AB2. $ 6# &D# 8. .20 58.."0 89D $, , 6# 8. .20 27C86 68"00*

& #* #* * * 1 A50"4A6W89D 05A6 6.89D49B 28C ; 4.0D 49 .20 .7B8 0I.09D .20 54B2. 289D .7 08=2 7.205# 456. ; 5866 73 05A6 1 8"67 49 B7"D <4.2 #* : + =76*

& #* #* + * * 1 A50"4A6 89D 05A6 6.89D49B .7B8.0D 749 .2045 54B2. 289D6# &7"D 89D 3456. 89D 60=79D ; 5866 73 # A50"4A6*

2060 3490 =7496 =79.54 ; A.0 .7 :57?0 <28. 246.754896 83345C . 28. 79 .20 D08.2 73 246 38.205 A50"4A6 4CC0D48.0"@ 8667=48.0D # 05A6 <4.2 24C60"3 49 .20 67?0504B9.@ 8664B949B .7 24C 8"" .20 2797A56 73 89 0C : 0575 0I=0 : .49B 79"@ .20 .4."0 73 # $:. .27AB2 86 8 : 4.7"49A6 0I : 5066"@ 49375C6 A6 .20 098.0 83.05 9.79490L6 D0=0860 28D =7930550D .20 0C : 450 A : 79 A50"4A6 8"790# 9D .2A6 375 .20 3456. .4C0 .20 #7C896 ; 020"D .<7 8. .20 208D 73 .20 .8.0 49?06.0D <4.2 0SA8# 8A.2754.@ 89D 86 4. 8==4E D0 .8""@ 28 : .090D .28. ; 7.2 73 .20C <050 27"DG 49B .20 7334=0 73 =796A" 375 .20 .245D .4C0 49 a, 9 , .49BA4620D 49 .20 : A ; "4= 50=75D6 86 .20 $ & 28. .20 <24=2 .246 =749 49D4=8.06 627A"D 8. .20 =7CC09=0C09. 73 .2045 =7 08BA0624 : 28?0 0I46.0D ; 0.<009 .20 .<7 :549=06 46 ;@ 97 C0896 6A5 : 54649B ; A. .28. 4. 627A"D 28?0 50C8490D A94C : 8450D .4"" .20 D08.2 73 05A6 8 : 0547D 73 9490 @0856 49 6 : 4.0

H

74?.20 B508. D4330509=0 73 .2045 =2858=.056 46 .7 ; 0 86=54 ; 0D .7 .20 97 ; "0 D46 : 764.479 89D <0"" 50BA"8.0D C49D 73 A50"4A6 <27 ; 750 <4.2 0SA894C4.@ .20 : 50.0964796 73 8 54?8" 09D08G ?7A50D .7 6=5009 .20 38A".6 73 8 ; 57.205 89D 8 ; 7?0 8"" ; @ 246 493"A09=0 89D 24B2 0I8C : "0 4C : 760D 8 <27"067C0 506.5849. 79 246 0I=06606* 1 =F20" ?44# *

&&# * 1 79=75D 608.0D# <7 289D6 7490D# 7.2 "85B0 ; 5866 73 8"; 4C46* 8"; 4AA6 89D A : 409A6 M73 .20 "8..05 .2050 46 89 0I8=."@ 64C4"85 C0D8"M <050 .20 .<7 3456. 0C : 05756 0"0=.0D <4.2 54B2.6 8 ; 67"A.0"@ 04 : 48" 0?09 .20 B589D : 79.434=8.0 <86 0SA8""@ D4?4D0D ; 0.<009 .20 .<7# .<86 .20503750 6.4"" C750 90=06685@ .28. .20 .<7 :549=06 627A"D 49 8 C89905 28?0 ; A. 790 2085. 89D 6 : 454. 89D 4. 46 .7 .246 ."48. .2045 =7496 C8F0 =79.49A8" 8""A6479*

' ' 7 1 85C79@ 49 <0DD0D "430 46 C85F0D 79 =7496 73 .20 4C : 0548" 6054O6 ; A. B09058""@ ; @ .20 T 5A"0 73 =79.585406 86 49 KA"48 7590"48 8A"8 3456. <430 73 "8B8 ; 8"A6 <27 50 : AD48.0D 205 ; 03750 620 28D ; 009 C85540D .7 24C 8 .<0"?0C79.2 79 .246 MB7"DM C0D8" .20 B7DD066 46 6009 74949B .20 289D6 73 .20 0CG : 0575 89D 0C : 5066 <4.2 .20 <75D6 " " * ! 2 2 1 00K *

7496 73 SA4"48 0?058 60=79D 89D SA4=F"@ D4?75=0D <430 73 .20 68C0 34=F"0 89D 4938C7A6 0C : 0575 0I24 ; 4. " " * ! 68=5434=49B 8. 89 8".85* 1 00 = !0! *:, *

9D 9948 8A6.498 ; 46 .245D 89D 0SA8""@ A9375.A98.0 6 : 7A60 8 : : 0856 79 8 ?05@ 5850 3456. ; 5866 74949B ; 89D6 <4.2 24C 49 .7 ; 0 86 6 : 00D4"@ =86. 733 <4.2 =79.0C : . 89D 90B"0=.* 1 00 8 ! !

+ # * 1 <7 54B2. 289D6 7490D 27"D 8 "0B47984@ 08B"0 34I0D 49.7 .20 :57<' 73 8 ?0660"# &7"D 89D 64"?05 89D <4.2 # 3456. ; 5866 73 05?8*

20 .@ : 0 73 .246 50?0560 8""AD06 .7 .20 =79G =A5509=0 89D A9479 73 .20 375=06 ; 7.2 79 "89D 89D 8. 608 DA549B .20 504B9 73 .246 B77D :549=0* D0 .8""@ 28 : .090D .28. ; 7.2 73 .20C <050 27"DG 49B .20 7334=0 73 =796A" 375 .20 .245D .4C0 49 a, 9 , .49BA4620D 49 .20 : A ; "4= 50=75D6 86 .20 $ & 28. .20 <24=2 .246 =749 49D4=8.06 627A"D 8. .20 =7CC09=0C09. 73 .2045 =7 08BA0624 : 28?0 0I46.0D ; 0.<009 .20 .<7 :549=06 46 ;@ 97 C0896 6A5 : 54649B ; A. .28. 4. 627A"D 28?0 50C8490D A94C : 8450D .4"" .20 D08.2 73 05A6 8 : 0547D 73 9490 @0856 49 6 : 4.0

&*EEEE 589SA4""498 89D &75D489A6 4A6 74949B 289D6# 4"?05* 1 9G B58?0D 49 F05C89 4# : 4# ?444# 7# * 1 R

D & # *

70D 49B Z ' 46 608.0D 79 2 6ABB06.AC ' 6A :05E 49.09D49B 790 73 .20 "85B06606 .7 .20 :07:"0# 20 B57A :49B 89D <75FC89624 :' 73 .246 50?0560 509D05 4.' 790 73 .20 34906.' 8C79B .20 =79B48548 ' 89D <28.' ="84C6 50C85F ' 86 67C0.249B 0I.5875D4G 985@ 49 .20 .@ :0 ' 46 8 24B2 89D 649BA"85"@ 375C0D .54 :7D ' :"8=0D 9085 .20 0C :0575 ' 496.08D ' 86 79 64C4"85 =7496 73 057 89D 7C4.489 ' 73 .20 34BA50 73 4905?8 <4.2 89 7<"# T' (20.205 M6@6 8?05 ! =8C :' 49 246 97.06 ' ' = ' ' % .246 503056 .7 .20 :"8=0 <2050 .20 =79B4854AC' <86 B4?09 ' 86 43 790 "85B066 <86 D46.54 ; A.0D ' ;03750 .20 .0C :"0 73 4905?8 ' 89D 897.205 ;03750 .20 .0C :"0 73 :7""7 ' 75 <20.205 67C0 7.205 C@6.05@ 46 =79=08"0D' A9D05 .2060 506 :0=.4?0 6@C ; 7"6 1 ' 7 V 20 .54 :7D C8@ =05.849"@ ;0 20"D .7 D097.0 67C0 68=041"7.8 7334=0 1 =F20 M?4 > N 46 A98 ;"0 .7 D0=4D0 <3340 .246 .245D =79B485@ <86 ;06.7<0D ;@ 58 89 79 .20 :07:"0*

57C 246 7<9 =8 ;490.' 73 "85B0 ;5866 ' 8:.# C@.2 SA7.06 8 ' 0 3 ' ' F ' 73 58 89 ' <4.2 0I8=."@ .20 68C0 .@ :0 86 .20 3750B749B* 1 . ' ' ' :# ,* 5# #78=2 C4.2 .249F6 4.' :57 ;8 ;"0 ' .28.' .2060 D46.54 ; A.479 .77F :"8=0 375 .20 C76.' :85.' 49 75 9085 .20 .0C :"0?73 4905?8 ' 86 .20 B7DG D066 737 ' 89D 3845 D08"49B 1 89 7 :49479 <4.2 <?24=2 7A5 7<9 =749=4D06* &# &# *' # # ++# # * &# &# " ' ' ## ' ' ' # <7 .7B8.0D 34BA506 64..49B .7B0.205 79 89 06.58D0 ' .20 4C :056798.479 73 4 ;058"4.@ <4.2 ' 89D =759A=7 :4 r ' 6.89D49B ;03750 .20C' ' 8 C8"0 34BA50 46 86=09D49B .20 64D456 ' 6 :508D49B 246 B85C09.' 375 .20 50=0 :.479 73 .20 4C :0544D ;7A9.@* 20 50?0560 .@ :06 ' 79 .20 .<7 "85B0 ;5866 =7496 73 <24=2 .20 3750B749B 850 .20 506 :0=.4?0 "0B09D6 50 :50609.' .<7 D4330509.' =79B485406 B4?09 ;@ # A50"4A6 89D # 05A6 ' ;049B M68@6 8?05=8C :N .20 .245D 89D 37A5.2 73 .246 F49D 73 :50609.8.4796 <24=2 .20 8 ;7?0E98C0D :549=06 749."@ C8D0 .7 .20 #7C89 :07:"0 ' 89D .20@ <050 D46.54 ; A.0D DA549B .20 > .2 89D >,6.' @0856 73 .2045 54E ; A94.489 :7<05 ' 86 46 C85F0D 79 .20 =7496 49 SA06.479# 20 79"@ D4330509=0 49 .2045 .@ :06 46 .28.' 79 .20 375C05 .20 :5030=.' 75 =7CC89D05 73 .20 :50.75489 BA85D 6.89D6 ;0249D .20 .<7 0C :05756* 1 9B58?0D 49 .20 ') ' ' ' 4?444# = ' ' ' T 2060 "4 ;058"4.406 M68@6 =F20"' ?44# [HN <050 .20 C750 8==0 :.8 ;"0 89D :"08649B .7 .20 :07:"0 ' ;0=8A60 8 ;7A.' .246 .4C0 .20@ <050 833"4=.0D <4.2 8 B540?7A6 38C490 86 8:4.7"49A6 50"8.06# 20 ' <050 .20503750 D46.54 ; A.0D 8.' #7C0 49 .20 :50609=0 73 .20 .<7 0C :05756* * 1 00 * # # ' ' 1 # ??# # 6# 79 8 =749 73 ABA6.A6. * 1 ' ':' 79 =7496 73 8"79498# 00 489 r ' KA9794 ' =# 75 <24"6.' &8""409A6 49?7F0D .20 B508.05 C8"0 D04.406 86 ' ' 246 <430 8"67 49?7F0D .20 :549=4 :8 B7DD06606 ' 49 # * .28.' .A5 ; A"09.' 6.8.0 73 2AC89 8338456 ' 49 <24=2 620 89D 205 2A6 ;89D "4?0D* 1 00 9.# ABA6.497 . ' :# , H* * 1 ' ' + # * 1 20 =A6.7C 49 89=409.' .4C06 73 :8@49B D4?490 2797A56 .7 49D4?4DA8"6 <27 28D 8=SA450D 5097<9 357C ?8547A6 =45G =AC6.89=06 <86 73 350SA09.' 7==A5509=0 8C79B6. .20 &500F6 ;@ <27C 4.' <86 =8""0D ? * & .' <86 .2045 38?7A54.0 6A :056.4.479 .7 49="ADO 49 .20 9AC ;05 73 .2045 B7D6 C09 <27C .20@ 50G B85D0D 86 2057O6 89D 86 .20 37A9D056 73 =7"79406 89D =4.406# 3.05<06D .20 98C0 73 4 <86 866AC0D ;@ "4?49B :549=06 79 =7496 89D 7.205 C79AC09.6# 246 27<0?05 46 97.' .20 :"8=0 0?09 .7 .7A=2 A :79 .20 754B49 73 .246 7 ;605?89=0 75 .20 =050C79406 A60D 79 6A=2 7==8647966 ;@ ?8547A6 98.4796 73 89.4SA4.@# 9375C8.479 50G 6 :0=.49B .2060 89D 7.205 ;589=206 73 .20 6A ; 0=.' C8@ ;0 B8.2050D 357C ?8547A6 .508.4606 ;7.2 ;@ .20 7"D <54.056 89D 49 <75F6 73 C7D059 D8.0# 20 7 ; 0=.' 73 .20 37""7<49B 97.4=0 46 "4C4.0D .7 .20 =A6.7C6 73 .20 #7C896 <27 DA549B C89@ @0856 28D =79.09.0D .20C60"?06 <4.2 509D0549B .7 #7CA"A6 8"7A0 .20 2797A56 73 .20 8:7.207646 89D <27 D4D 97.' ;0B49 .7 4C4.8.0 .20 &500F6 49 .246 506 :0=.' A9.4# .20 0I.49=.479 73 .20 3500 50G :A ;"4=# .' <86 357C .20 :0547D 73 .20 m6856 <27C A94?0568" 3"8..05@ 89D .2045 7<9 8C ;4.479 58460D 8 ;7?0 .20 =79D4.479 73 C75.8"4.@ .28.' .20 :58=.4=0 <86 49.57DA=0D 89D =79.49A0D 86 "79B 86 #7C0 <86 B7?0590D ;@ :549=06 8..8=20D .7 :8B8946C 89D 0?09 ;@ .20 3456.' 6A==06647G 73 67E=8""0D 2546.489 C :05756* =F20# D4?4D06 246 C86.05"@ 7 ;605?8.4796 50G "8.4?0 .7 .246 6A ; 0=.' 49.7 .<7 :85.6 .20$ 73 <24=2 .508.6 73 .20 =7960=58.479 73 49D4?4DA8"6 DA549B .2045 "430E.4C0 89D .20 73 .20 =7960=58.479 73 .20 D08D# ! / 4 " * ! % ! ! 9=409.' 246.75@ 50=75D6 .20 98C06 73 C89@ <27 04.205 73 .2045 7<9 8==75D 86 :450D .7 D4?490 2797A56 75 79 <27C :7 :A"85 =79609. 8=.A8.0D ;@ C7.4?06 73 3"8..05@ 75 3085 =7930550D 6A=2 D46G .49=.479 0?09 <209 .2050 <86 97 0I :0=.8.479 73 .2045 D08.2# 246 =7960=58.479 73 .20 "4?49B 28D 4.6 B58D8.4796 67 .7 6 :08F ;A. .7 :866 7?05 .28.' "7<06.' B58D0 <24=2 <86 =793490D .7 758# D0G C796.58.4796 89D .20 4C :A"60 73 0A.2A6476C 89D 73 <24=2 9AC46C8.4=6 3A59462 97 0I8C :"06 1 .2050 46 8 C4DD"0 589F 49 <24=2 C8@ ;0 09AG C058.0D ' .20 98C06 8..54 ; A.06 89D C85F6 =7CG C79"@ 8 :57:548.0D ;@ 208.209 ?7.85406 .7 .2045 D04.406 <24=2 67?0504B9 :549=06 866AC0D 75 8""7<0D .7 ;0 =7930550D A :79 .20C <4.2G 7A. 86 .20 :5730660D .7 .249F 4550?0509=0 .7G <85D6 .20 B7D6 ;A. 67 86 .7 C8F0 4. 8::085 .28.' .20@ :85.4=4:8.0D 49 =05.849 73 .2045 SA8"4G .406 <24=2 <050 D0940D .7 :54?8.0 49D4?4DA8"6 C79B .20 8:0""8.4796 .28.' 73 46 .20 3456.' .7 ;0 7;605?0D 97.' 79"@ 86 2 C85F 73 208?09"@ :7<05 ; A.' 790 <24=2 <86 79 8""7==8G 64796 :05C4..0D =79.49A7A6"@ .7 ;0 B4?09 .7 .20 67?0504B9 :549=06 86 <0""7 73 .20 "7<05 86 73 .20 085"405 0C :450 CA=2 "4F0 .28.' 73 7 3 F49B6 73 .20 :50609.' D8@*

9' .20' 9AC ; 05' 73' .20' D4?490' ' <24=2' .20' 0C : 05756' ; 7557<0D' 357C' .20' B7D6 ' 2 * ı.' ' ="84C6' .20' 3456.' :"8=0'# 75' 67C0' 73' .20' C76.' 50C85F8 ; "0' .@ : 06 ' ; @' <24=2' .20' #7C896' 50 : 50609.0D' .0594.@ ' .20' 508D05' 46' 5030550D' .7' : : '# >>' >H ' > ' 89D' >[' 73' .246' <75F' ' : 85.4=AG "85"@' .2760' 73' =7496' 6.5A=F' A9D05' 58 89 ' DA549B' 246' 343.2' =796A"8.0 ' [' 9 ' p' , HN' ' 89D' A9D05' 0?05A6 ' 73' .20' @085' A'# =' a[[' 9 ' ' UHUA

20' & 4?6' & I5 ' 67' 350SA09.' 79' 4C : 0548'# =7496 ' <86' 8"67' 8' 6 : 0=406' 73' D4?494.@ ' <20.205' 4.' ; 0' A9D056.77D' 86' .20' 67A'# 73' .20' 0C : 0575 ' 89D' 246' D4?490' 6 : 454. ' 75' 67C0' =0"06.48'# ; 049B' 73' 89' 49306 5475' 75D05 ' 6A=2' 86' 49' .2045' 6A : 056.4.479' .20' 89G =409.6' ; 0"40?0D' .7' 28?0' ; 009' 8..8=20D' .7' 0?05@' C75.8"* 1 00' .20' <75D' & I

.205' "066' D450=.' 49D4=8.4796' 73' 866AC0D' D4?4G 94.@ ' 79' =7496' 73' .20' ' <050' .20' 0 ' & ' 89' 0I : "898.479' 73' <24=2' <4"'# ; 0' 37A9D' A9D05' .20' =7498B0' 73' 057 ' ; 08549B' .20' "0B09D' 73' & ' & * I-' ' M 00' : '# , aN'# 2050' 46' 8"67' .20' ; 54B2.' ="7AD@' =45="0.' 79' .20' 208D6' 73' ; 7.2' 0C : 05756' 89D' 0C : 506606 ' 37A9D' 79' =7496' 73' .20' "7<05' 0C : 450'# 00' 1 4F0<460' .20' =28547.' D58<9' ; @' .<7' CA"06'# 00' =7496' 73'

20' ' D0B500' 73' 7960=58.479' DA549B' "430' 46' :"8=0D ' ; @' 7F20'# M?4'# : '# ""N ' : 85."@' 49' D4?490' 8 : : 0""8.4796 ' : 85."@' 49' D4?490' 2797A56 ' <24=2' "8..05' =79646.' 49' 67"0C9' B8C06 ' 8".856 ' .0C : "06 ' 89D' 68=5434=06 ' 8"'# 73' <24=2' <050' =79G 30550D' 04.205' 8.' .20' 496.89=0' 73' .20' 0C : 05756' .20C60"?06 ' 75' <050' D0=500D' .7' .20C' 49' 8DA"8.479 ' ; @' .2045' 6A ; 0=.6'# I8C : "06' 73' .20' =A6.7C' <050' 60.' 97.' 79"@' 49' .20' C76.' 50C7.0' : 0547D' 73' &500=0 ' ; A.' 8"67' 49' 0 : 7=286' 73' C750' 50=09.' D8.0 ' 6A=2' 86' .20' 496.89=0' 73' "0I89D05' .20' &508. ' 6.@"0D' 8.' 246' 7<9' D06450' KA : 4.05' CC79'# 1 8 ; 4.A8.0D' .7' : 8 5' 6A=2' 2797A56' .7' 37504B9' : 549=06 ' 4.' <86' 89' 086@' C8..05' 375' .20' &500F6 ' 38C4"485' <4.2' 8=.6' 73' 605?4"4.@ ' .7' .5896305' .20' 68C0' 2797A56' .7' .20' C8B46.58.06' 60.' 7?05' .20C ' ; @' .20' #7C896 ' 89D' .209' .7' .20' 0C : 05756 ' <27' <050' .20' 85 ; 4.056' 73' .20' <75"D'# ?09' DA549B' .20' B7?059C09.' 73' .20' 50 : A ; "4=' 68=50D' 89D' 89G 9A8"' B8C06 ' 8".856 ' .0C : "06 ' 89D' .20' .4."06' 73' D4?494.@ ' <050' D0D4=8.0D' .7' : 57E=7967"6 ' : 57E : 50E' .756 ' 89D' 7.205' 49D4?4DA8"6' 73' 24B2' 6.8.479 ' 04.205' 49' 50=7C : 0960' 73' 64B98'# ; 09034.6' =7930550D' ; @' .20C ' 75' 357C' C7.4?06' 73' 3085'# 9' 83.05' .4C06' .2060' 2797A56' <050' ; 06.7<0D' 6.4"'# C750' : 573A60"@' A : 79' .20' 0C : 05756' 89D' .2045' 38C4"406'# .' C8@' 6A334=0' 2050' .7' 8DDA=0' .20' 37""7<49B' 30<' 496.89=06' 73' D4?490' 8 : : 0""8.4796 ' 49?09.0D' ; @' .20' 305.4"0' 4C8B498.479 ' 89D' : 57C : .0D' ; @' .20' ; 860 6@=7 : 289=@ ' 73' .20' &500F6 ' 79' <2760' =7496 ' 4?48 ' .20' <430' 73' ABA6.4<' 46' 6.@"0D' '# ' '# '' ' %' :' .20' D8AB2.05' 73' ABA6.A6 ' '' '# j E ' "- ' -' :' 5A6A6 ' .20' 679' 73' 4 ; 054A6 ' 89D' &05C894=A6' 80685 ' <050' =8""0D' ; @' .20' &500F6 '# '# 4" ' k ' '$ ' ' n' %

20' 8=.A8'# C49.' 73' #7C0' 8DC4..0D' .2060' D0434G =8.4796' 73' 205' "4?49B' : 549=06' C750' 6 : 8549B"@ ' 89D' 8.' 8' CA=2' "8.05' : 0547D'# 75' 0I8C : "0 ' 8".27AB2' 4.' ; 0' <0""' F97<9' .28.' 8"4BA"8' 89D' "R7C4.488

D06450D' .7' ; 0' =8""0D' + ' @0.' .20' D4B94.@' '' .20' ' 6 ' F0 : .' .246' D46B58=0' 8.' 8' D46.89=0'# 057' <86' 79' =7496' <4.2' 4 ?' "0B09D6' 6.@"0D' : 7""7' ' @0.' .246' 98C0' 73' : 7""7' 46' 97.' .7' ; 0' 37A9D' 79' .2760' ?05@' =7496' 6.5A=F' 8.' #7C0' 79' <24=2' .28.' 0C : 0575' 46' 50 : 50609.0D' 49' .20' J85 ; ' 73' 8' 285 : E : "8@05' k %' 7CC7DA6' <86' .20' 3456.' <27' ; "8\790D' 246' 4C : AD09=0' 79' .20' =7498B0' 73' .20' =4.@ ' <209' 20' ?8A9.0D' 24C60"3' 86' .20' 6 ' ; ' 49D4=8.0D' ; @' .20' 208D' =7?050D' <4.2' .20' "479\6' 6F49* 1 7.' "066' C0C75G 8 ; "0' <86' .20' 8557B89=0' 73' A50"489 ' <27' 49G 6=54 ; 0D' 24C60"3' 79' 246' =7496' ' ' ' :' 89' 0I8C : "0' 37""7<0D' ; @' 85A6*

.' <86' 2A.' =79646.09.' 49' .20' 89=409.6' .7' 27G 97A5' <4.2' 8".856 ' 6254906' 68=5434=06 ' 89D' 0?05@' 7.205' 6A : 056.4.47A6' D0?4=0' .20' 49D4?4DA8'# <27C' .20@' D0=850D' .7' 20' 8' B7D' 20' =7CC09=0C09.' 73' .246' C8948' <86' 49D00D' 4D09.4=8'# <4.2' .28.' 73' .20' 0C : 450' 4.60"3'# 246' 38=.' 46' 8..06.0D' ; @' .20' <0""EF97<9' =7496' 496=54 ; 0D' 61 ' ' T-4 ' C49.0D' .257AB27A.' .20' ?8547A6' : 57G ?49=06 ' <4.2' .20' .@ : 0' 73' 89' 8".85' 75' 8' .0CG : "0 ' 8"67' .20' 8".85' D0D4=8.0D' .7' ABA6.A6 ' 7A' =7496' 73' 8558=7'# .' 46' 27<0?05 .7' 20' 7 ; 605?0D ' .28.' 97' 8".85 ' 75' .0C : "0 ' <86' =7960=58.0D' .7' ABA6.A6 ' 49' #7C0' 4.60"3 ' DA549B' ; 46' "430E.4C0' ' 975' 49D00D' .7' 8685 ' .20' 4=.8.75 ' 8".27AB2' .20' : 07 : "0' 7?05<20"C0D' 24C' <4.2' 2797A56' 8"C76.' D4?490'# 7C0' 73' 246' 6A==066756 ' 27<0?05 ' <050' 97.' 67' 375 ; 08549B* 1 A0.794A6' 49375C6' A6 ' .28.' 8"4BA"8' <4620D' .7' ; 0' 6.@"0D' 1+ ' ' .20' .4."0' 73' KA : 4.05 ' 89D' .28.' 20' 0I24 ; 4.0D' 24CG 60"3' 49' .20' .0C : "0' 73' 86.75' 89D' 7"'' A' ; 0.<009' .20' 6.8.A06' 73' .2760' D04.406 ' .7' 62850' .20' 8D758G .479' 73' .20' <75624 : : 056'# 20' 68C0' <54.05' 8DD6' .28.' T' 20' M 8"4BA"8N' 050=.0D' 8' .0C : "0' D0?7.0D' .7' 246' 7<9' D4?494.@ ' 89D' 496.4.A.0D' : 5406.6' 89D' 0"8 ; 758.0' 68=5434=48'# =050C79406'# 9' .20' .0C : "0' .2050' 6.77D' 8' B7"D' 6.8.A0' 49' 246' "4F09066 ' D50660D' 49' .20' 3862479' 20' <86' 8==A6.7C0D' .7' 8D7 : .* 1 ' 20' <08".2406.' 49D4?4DA8"6' 08B05"@' =89?8660D ' 89D' 7A. ; 4D' 08=2' 7.205 ' 375' .2045' .A59' 49' .20' 24B205' 7334=06' 73' .246' : 5406.277D' ', 20' ?4=.4C6' <050' : 8557.6 ' : 08=7=F6 ' ; A6.85D6 ' .A5F406 ' BA4908' 37<"6 ' : 208689.6 ' =# 20' 60?058'# 6 : 0=406' 73' <24=2' <050' 68=5434=0D' 0?05@' D8@*U 1 7C4.489' 8"67' D0E' D06450D' .7' ;30 6.@"0D' ' ' :' 89D' 8=G =75D49B' .7' "49@' .20' 758.75 ' T' .20' ?4"0' 4C8B0' 73' .28.' C76.' =5A0'# : 549=0' 489A6' 89D' 8C6N ' 90?05' D46G B58=0D' .20' #7C89' =7498B0 ' D7A ; ."066' ; 0=8A60 ' .7' .20' ?05@' : 05 : 0.58.756' .20C60"?06 ' 4.' 8 : : 0850D' C8..05' 73' 50 : 578=2 ' .28.' 2797A56' 8 ; 7?0' .20' C75.8'# =79D4.479 ' <20.205' 67AB2.' 375' 75' D0=500D' .7' .20C ' 627A"D' ; 0' 0I24 ; 4.0D' .257AB27A.' .20' 0C : 450*

090=8 ' 49' 246' 68.450' 79' .20' D08.2' 73' "8AD4A6 ' 89D' A=489 ' 49' 246' .508.460' 79' .20' 8660C ' ; @' 73' .20' B7D6 ' ; 7.2' "8AB2' M68@6' : 89204CN' : "08689."@' 097AB2 ' 8.' .2060' : 50.09D0D' D0434=8.4796 ' 89D' 8.' .20' +' 73' 90<' B7D6' .7' <24=2' .246' 8 ; 6A5D' =A6G .7C' B8?0' 5460 1 "A.85=2' "4F0<460 ' 48' .20' "430' 73

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#7CA"A6 ' AD4=47A6"@' =096A506' .246' :58=.4=0* 1 ' 6' .7' ABA6.A6' 8AD' 7.205' 0C:05756' W8DD6' .20' .5896"8.75' 89D' 8997.8.75' 73' - I ' ' ' :# > [N ' 4.' 46' <0""# F97<9 ' .28.' :7"4=@' 89D' 89' 49.0506.0D' 50B85D ' 97.' 375' .20' D08D' ;A.' 375' .20' "4?49B' :549=0 ' 75' 246' D06.490D' 6A==06675 ' 28D' C76.' .7' D7' <4.2' .246' CA".4:"4=8.479' 73' D4?494.406*

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*

46' .20' 8=.' 73'8' B7D U' 68@6' "49@' .20' 0"D05 ' 00<209' 790' C75.8"# - + ' 75' ' '.7' 897.205 ' 89D' .246' 46' .20' 24B2' 578D' .7' 4CC75.8"# 38C0# @' 4.' 28?0' :8660D' .20' B508.' 7906' 73' #7C0' ' 89D' ;@' 4.' 97< ' <4.2' 208?09"@' .508D ' <8"F6' .20' B508.06.' 67?0504B9' 73' 89@' 8B0 ' 06:86489' ABA6.A6 ' 8DG ?89=49B' .7' .20' 506=A0' 73' 8' .7..0549B' 6.8.0# .' 46' .20' C76.' 89=409.' C7D0' 73' 50=7C:09649B' 8' ;090G 38=.75 ' .7' 0957"# 246' 98C0' 8C79B' .20' D04.406*U

20' 6A==00D49B' 8B0 ' 27<0?05 ' :57DA=0D' ADB06' A93845"@' ;48660D' 49' .2045' ;06.7<8"# 73' 6A=2' 27G 97A56# "49@' .20' @7A9B05' 86605.0D ' .28.' T' 4;0G 54A6' :57C7.0D' ABA6.A6' .7' 208?09# 057' D4D' .20' 68C0' 375' "8AD4A6 ' ;A.' C050"@' .7' 54D4=A"0' 24C ' 4.A6' .7' 06:86489 ' 89D' 7C4.489' .7' 4.A6 ' ;A.' .20' 375C05' .28.' 20' C4B2.' ;0' 50B85D0D' 86' .20' 679 ' .20' "8..05' 86' .20' ;57.205 ' 73' 8' B7D*U 1 ' ('28.' <7A"D' 28?0' ;009' "49@ 6' 49D4B98.479' 28D' 20' "4?0D' .7' 600' 8A6.498' A9475 ' 7CC7DA6 ' 89D' 858=8""8' .2A6' 58460D' .7' .20' 6F406'Z 8A68A486 ' 83.05' 50C85F49B' .28.' 49' 375C05' .4C06' C09' <050' 9AC ;050D' 8C79B' .20' B7D6' 79'5086798 ;"0' B57A9D6 ' 86' 05=A"06 ' .20' 476=A54 ' =# 8DD6 ' .28.' 49' 246' 7<9' 8B0 ' <209' 358AD' 89D' 8AD8=4.@' A6A5:0D' .20' :"8=0' 73' <75.2@' D00D6 ' 9790' <050' 50=04?0D' 49.7' .20' =0"06.48" 589F6 ' ;A.' .257AB2' .20' 8==" 8C8.4796' 89D' 7A.58B07A6' 3"8..05@' 73' .2045' 30""7<' C09* 1 ' "49@' .20' 0"D05" "86206' .20' 8 ;6A5D4.@' 73' 246' =79G .0C:7585406 ' 375' :8@49B' 8D758.479' .7' .20' F3' 89D' C8F49B' 8' B7D' 73' 790 ' <27' 28D' =0860D' .7' 20' 0?09' 8' C89*U' KA?098" .77 ' 8::57:548.0"@' =8""6' .20' 0C:05756' T' 54?8"6' 73' .20' B7D6 U' 79' 8==7A9.' 73' .246' 68C0' 6@6.0C' 73' 8:7.207646*

20' =7960=58.479' 73' 8' D0=0860D' 0C:0575' <86' A6A8""@' A5B0D' ;@' 246' 6A==06675' 357C' C7.4?06' 04.205' 73' :40.@' 89D' B58.4.AD0' 75' 73' 8C ;4.479' 75' 67C0' 7.205' 89.4=4:8.0D' 8D?89.8B0# 2A6' :40.@' 89D' B58.4.AD0' C8@' 98.A58""@' ;0' 6A:.760D' .7' ;0' .20' 300"49B6' <24=2' 444DA==D4 4.A6' .7' .5896305' 06G :8648@' .7' "@C:A6 ' <24=2' :57C:.0D' 58 89' .7' :8@' .20' 68C0' 2797A56 ' .7' 05?8 ' 8D5489' .7' 58 89 ' 9.7949A6' .7' 8D5489' / # A50"4A6' .7' # 05A6 ' 08=2 ' 49D00D ' 49' .23.860' 73' 246' 7<9' 38.205' 75' ;57.205# 4330509.' C7.4?06' :57DA=0D' .20' 68C0' 506A".' 49' D4340509.' =8606 ' 86' 375' 49G 6.89=0 ' .20' <462' .7' 28?0' 8' D04.@' 375' 8' 38.205' 75' 8' 9085' 50"8.479 ' 75' .7' 8?74D' .20' 6A6:4=479' 73' 37A" :"8@ ' 49' .20' D08.2' 73' 89' 49D4?4DA8"' <86' .20' 508679' 375' 7C4.489L6' D04I08.479' 73' 4.A6# 20' =7960=58.479' 73' 7CC7DA6 ' <2760' 508"# D0605.6' 09.4."0D' 24C' .7' .20' 68C0' SA85.05' <4.2' @64:2A6' 89D' 89.8"A6 ' .77F' :"8=0' A9D05' A9<79.0D' =45G =AC6.89=06# 79D0C90D' .7' 0?05"86.49B' 4938C@' ;@' .20' 098.0' 20' <86' :"8=0D' 8C79B6.' .20' 4CG C75.8"# B7D6' ;@' 0:.# 0?05A6' <2760' :57;8;"0' 5086796' 375' 67' D749B' 850' 8..0C:.0D' .7' ;0' 01G :"8490D' D3D05' .20' 208D' 73' 4??6' -

3' 89@' DA549B' .2045' "430' .4C0' 28D' 49=A550D' :A;"4=' 28.50D ' "4F0' 4;05486 ' 8"4BA"8 ' 89D' 7E C4.489 ' .20@' <050' "03.' .7' :866' 89' 7;6=A50' 0146.G 09=0' 8C79B6.' .20' ' .2056 ' 86' 858=8""8 ' <050' 49D0;.0D' .7' .2045:7:A"854.@' <4.2' .20' 85C@* 2050' 850' 496.89=06' 73' 0C:05756' .7' <27C' .20' 2797A56' 73' D4?494.@' <050' 8==75D0D ' 73' 4CC0G D48.0"@' 83.05' D08.2' ;A.' 8.' 8' 6A;60SA09.' :0547D# ==75D49B"@ ' 4?48' <86' 8.' "09B.2' =7960=58.0D' ;@ "8AD4A6 ' 7CC7DA6' ;@' 0?05A6 ' 7C98' ;@

.' <86' 8.' 8' =7C:858.4?0"@' "8.0' :0547D ' .28.' .20' C8948' 375' .58937 0C49B' C09' 49.7' D04.406' D46G 2797A50D' .20' 8998"6' 73' #7C0# 9' 246E:0=A"485 :764.479' 86' .20' 37A9D05' 73' .20' 98.479 ' 3=RCA"A6 28D' 49D00D' ;009' + ' A9D05' .20' 98C0' 73' %A4549A6# A.' 904.205' # 5A.A6 ' 975' 8C4"E 4A6 ' 975' .20' =4:476 ' .27AB2' 0C4909.' ;09038=.756' 73' .2045' =7A9.5@ ' <050' D46.49BA4620 ' <4.2' D4?490' 2797A56# 246' =79.0C:.' 375' .20' "8<6' 73' C75G .8"4.@' <86' 50605?0D' 375' .20' "86.' D8@6' 73' .20' =7CG C79<08".2' 89D' .20' ;0B49949B' 73' .20' 0C:450*

B=685' .20' 4=.8.75' <86' .20' 3456.' 79' <27C' .20' 6A3358B06' 73' .20' :07:"0' =7930550D' ;7.2' .20' .4."0' 89D' .20' 2797A56' 73' D4?494.@# 8\\"0D' 97' D7A;.' ;@' .20' :57D4B406' 73' 246' ?8"7A5' 89D' .20' 8=SA450G C09.6' 73' 246' "73.@' 49.0""0=.' 89D' 8"508D@' <79' ;@' .20' 8..58=.4796' 73' .20' 90<"@E54609' 6A:056.4G .479 ' .20@' 508D4"@' 6A5509D050D' .20C60""?06' .7' .20' ;0"403' .28.' 49' 6A=2' 8' C89' 8' 67A" 73' C750' .289' C75.8"# 98.A50' 28D' 3410D' 4.6' 8;7D0# 20' 098.0' 28D' 8"508D@' D0=500D' .7' 24C' DA549B' 246' "430E.4C0' .20' 3' $ $' + ' 8'$ ' 89D' + :' ' 73' .20C' 2797A56' 01="A64?0"@' Y8..8=20D' .7' .20' =050C7948"# <75624:' 73' 8' B7D* 1 ' A.' 8#05' 246' D08.2' DA549B' .20' 620<6' <24=2' ABA6.A6' B8?0' 49' =0"0;58.479' 73' 246' C0C75@' .2050' 8::0850D' 8' 3' <24=2' .20' :07:"0'K77F0D' A:79' 86' 8' 64B9' .28.' 60685' 28D' ;009' 8DC4..0D' 49.7' 208?09# ABA6.A6' B8?0' 24C' .20' 98C0' 73' . ' 8AD' =8A60D' D4?490' 2797A56' .7' ;0' 8664B90D' .7' 24C*

(4.2' .246' :50=0D09.' ;03750' .2045' 0@06' .20' #7G C896' 37A9D' 97' D4."44C".@' 49' A9894C7A6"@' 8==75DG 49B' .20' 2797A56' 73' =7960=58.479' .7' ABA6.A6' A9G D05' <27C' .20@' 01:05409=0D' 97.' 79"@' 8' "09B.2090D' 504B9' 2A.' 790' C85F0D' <4.2' C7D058.479' 89D' 0SA4.@# 9D' 49D00D' 43' 49' .246' 54.0' 73' =7960G =58.479' 50B85D' 28D' 8"<8@6' ;009' 28D' .7' 8' 508" 97.' 8' =7A9.05304.0D' B58.4.AD0' 375' 605?4=06' =79G 30550D' 79' C89F49D' .20' 496.4.A.479' C4B2.' 8.' "086.' 28?0' ;009' :57DA=.4?0' 73' 790' ;0903=48"# 506A".' 98C0"@' .28.' 73' 49DA=49B' :549=06' .7' 8=.' ?45.AG 7A6"@' ;@' .20' :576:0=.' 73' 6A=2' 018".8.479# T' .

"8B8;8"A6' A.' 4.' 46' 50C85F8;"0' .28.' .20'
QN40.' 73' 67C0' 73' .20' ABA6.4' 49DA=0D' .20C' .7'
.25A6.' 49.7' 208?09' .2045' :8509.6' .27AB2' 49' 8'
:54?8.0' 6.8.479' 89D' D0=0860D' ;03750' .20@' <050'
.20C60"?06' 0"0?8.0D' .7' .20' .25790# 2A6' D4D'
06:86489' 49' .20' =860' 73' 246' C7.205' 7C4.4""8'
89D' 58 89' 49' .28.' 73' 246' 38.205' 58 89' 89D'
.20' 2797A5' .2A6' =7930550D' .20@' 0I24;4.0D' 79'
.2045' =7496' 98@' 06:86489' 97.' =79.09.' <4.2'
.246' ;06.7<0D' 79' 246' C7.205' .20' .4."0' 73' AG
BA6.8*

=F20" 286' =7""0=.0D' 357C' =7496' .20' 37""7<49B'
98C06' 73' :056796' =7960=58.0D' 83.05' .20' #7C89'
=A6.7C' /1

KA"4A6' C685*
ABA6.A6*
KA"48' <430' 73' ABA6.A6*
"8AD4A6*
7::608' <430' 73' 057*
"8AD48' D8AB2.05' 73' 057*

7C4.4""8' <430' 73' 06:86489*
4.A6*
KA"48' D8AB2.05' 73' 4.A6*
60685' M8979@C7A6N' 679' 73' 7C4.489*
05?8*
58 89' .20' 38.205*
58 89' .20' 0C:0575*
"7.498' <430' 73' 58 89*
85=4898' 646.05' 73' 58 89*
8.4D48' B589D' D8AB2.05' 73' 58 89*
8D5489*
8;498' <430' 73' 8D5489*
9.7949A6' 4A6*
8A6.498' <430' 73' 9.7949A6' 4A6*
A50"4A6*
8A6.498' <430' 73' # A50"4A6*
05A6*
7CC7DA6*
05.4984*
0?05A6*
KA"48' 7C98' <430' 73' 0?05A6*
858=8""8# O
KA"48' 6068*
"0I89D05' 0?05A6*
8A"498' <430' 73' 8I4C49A6' *
85494898' <430' 73' 8"05489*
&8 409A6' " 3' %
8"7949A6*
4=.7549A6*
0.54=96' M:57;8;"@N*
"8AD4A6' &7.24=A6*
85A6*
AC05489A6*
4B54A489A6*
8I4C489A6' 05=A"0A6*
796.89.4A6' 2"75A6*
&8"# 8I4C489A6*
#7CA"A6' 679' 73' 8I09.4A6*
796.89.490' .20' &508.*
7C0' :85.4=A"856' 506:0=.49B' .20'54.06' 89D'=0506
C79406' 7;605?0D' 49' .20' =7960=58.479' 73' :549=06'
M386' 4""A6.58.49B' .20' .@:06' 73' =7496' 850' B4?09' A9D05'
.20' 208D' 73' ! '# ' :# >[,*
28.' .20' 8:7.20764@' 73' 0C:05756' <86' 689=G
.4790D' ;@' .20' 8A.2754.@' 73' .20' 098.0' 89D' A6AG
8""@' D0=500D' ;@' .28.' ;7D@' 46' .06.4340D' ;@' 89=409.'
>' '

<54.056' 86' <0' 86' ;@' =7496' 89D' 7.205' C79AG
C09.6# 05.A 489' 68@6 1 T .' <86' 89' 7"D' 06.8G
;"4620D' =A6.7C' .28.' 97' 0C:0575' 627A"D' ;0' D04G
340D' <4.27A.' .20' =79=A5509=0' 73' .20' 098.0V 1 8'
6.8.0C09.' 50:08.0D' ;@' 5764A6' 89D' =79345C0D'
;@' 5AD09.4A6*

20' 098.0' "79B' 7::760D' .20':0.4.479' 73' 9G
.7949A6' 4A6'.28.' .20@' <7A"D' D0=500' .20' 27974C6
73' =7960=58.479' 79' 246' 38.205' ;@' 8D7:.479' 8G
D5489# # A50"4A6' 085906."@' ;067AB2.' .20' 68C0'
D46.49=.479' 357C' .20' 098.0' 375' 246' <430' 8A6G
.498# 20' 38=.' 46' 8"67' ="085"@' :57?0D' ;@' .20'
=7496' 73' "8AD4A6' 89D' 06:86489' ;7.2' B7"D' 89D'
64"?05' ;08549B' .20' .@:0' 73' =7960=58.479' 89D' 79'
<24=2' <0' 508D' "' 6# =# 89D' C750' 3A""@' 79' 8'
=749' 73' 85=4898' 6' ' " o /'
75' D706' .20' 5A"0' 8::085' 8.' 8""' D46:57?0D' ;@' .20'
38=.' .28.' 67C0.4C06' .20' 0C:05756' 75' .20' 67"G
D4056' 375=4;"@' 0I.75.0D' 8' =7960=58.479' 357C' .20'
098.0* 1 00' "$! '89D' < $! '(!
' ' ' ' ' *1 2060' 28D'
.2045' :00A"485' "0B09D6' 89D' .@:06# @' .20' 0IG
:5066479' =7496' 73' =7960=58.479' 27<0?05' 850' .7'
;0' A9D056.77D' 79"@' .2760' <24=2' <050' 6.5A=F'
79' .20' 7=086479' 73' .20' =050C79@' 89D' 375' .20'
:A5:760' 73' :A;"4624gB' 4.' .7' .20' <75"D' 89D' 6A=2'
86' 0I24;4.' 79' .20' 50?0560' .@:06' <24=2' 49?854G
8;"@' 50:50609.' .246' 54.0' 89D' .20' 67A" 50=04?0D'
49.7' 208?09# W 75' .2050' 850' 97.' 8' 30<' =7496'
<2760' 7;?0560' 49D00D' B4?06' .20' .4."0' C??6' .7'
.20' 0C:0575' ;A.' <2760' 50?0560' 73305G' 97.249B'
8.' 8' =7990=.0D' <4.2' =7960=58.479# 3' .246'
F49D' 375' 496.89=0' 46' 8' =749' 73' 4?96' ABA6.A6'
79' .20' 50?0560' 73' <24=2' <0' 508D' !& !' " #.'
46' 89D' 67' 79' .20' 50?0560' 73' =7496' 73' 4?96'
06:86489A6' " $ ' / !" !' !'
1 .7' <24=2' C8@' ;0' 8DD0D' =7496' 73' 7C4.4""8' .20'
?896.4960' 0# .20' 0I0=A.479' 73' <24=2' <86' D4=G
.8.0D' ;@' 8330=.479' .7' :50605?0' .20' C0C75@' 73'
89=06.756' :8509.6' 89D' <4?06*

9' ;549B49B' 375<85D' 3456.' .20' 496=54::.4796' 89D'
.209' .20' .@:06' 73' .20' =7496' <24=2' 850' :57:05"@'
.7' ;0' =7990=.0D' <4.2' .20' 6A;0=.' 73' =7960=58G
.479' =F20" M?7"# ?4#N' 7;605?06' .28.' T'49' .20'
.4C06' 73' .20' 3456.' 0C:05756' =7960=58.479' <86'
49D4=8.0D' C750' ;@' .@:06' .289' ;@' ?05;8# 375CA"70#
20' <75D' " " !' M<24=2' 89' "0189D5490'
=749' 73' 85A6' 509D056' J+ + J %' <86' 49.57G
DA=0D' 8.' 8"8.05' :0547D# ' D7' 97.' 349D' 4.' M68@6
20N'49605.0D' 79' 89@' B09A490' =7496' ;03750' "7.498'
85=4898' 89D' 8.4D48# 9' 83.05' .4C06' 97.249B'
<86' C750' =7CC79' .289' .20' A60' 73' .246' <75D*U
75' 67C0' 7;605?8.4796' 79' A4<6' 89D' '86'
.4."06' 73' =7960=58.479' 89D' 8"67' <4.2' 50B85D' .7

.205' .@ : 06' 73' 49305475' 97.0' 850' : 8660D' 7?05#' 1 2760' A60D' ;@' : 549=06' =8""49B' .20C60""?06' 2546.4896 ' 8.' ' =7960=58.479 ' C8@' 20' "08590D' 357C' =7496' 73' 796.89.490' .20' &508.' 89D' 246' 38C4"@*

' 20' =7496' 24.205.7' .508.0D' 73' 850' .2760' < 24=2' <050' 6.5A=F' 6779' 83.05' .20' =7960=58.479' 73' .20' : 549=06' 75' : 549=06606 ' <2760' : 75.584.6' .20@' ; 085 ' 89D' 375' .20' : A5 : 760' 73' B4?49B' : 9 ; "4=4.@' .7' .20' 0?09.# A.' .2050' 46' 897.205' ="866' 73' =7496 ' <24=2' 79' .20' 7 ; ?0560' : 50609.' .20' 0334B@' 73' 67C0' 0C : 0575 ' 89D' 79' .20' 50?0560' .20' "0B09D' E 47 ' <4.2' .20' .@ : 0' 73' 89' 08B"0 ' 79' 8' "4B2.0D' 8".85* 1 75' 8' "463' 73' .2060 ' <4.2' 7 ; 605?8.4796' .2050A : 79 ' 600' .20' <75D6' 4?7' 89D' 4?A6*

(4.2' 50B85D' .7' .20' 50C84949B' 6A ; 0=.' 73' 49G SA45@ 1 98C0"@ ' 27<' "79B' .20' =A6.7C' 73' =79G 60=58.49B' 0C : 05756' : 50?84"0D' 8C79B6.' .20' #7G C896 ' =F20" 68@6 1 T' 7' "79B' 86' .20' <75624 :' 73' .20' B7D6' <86' 49' 375=0 ' 4.' 46' ; @' 97' C0896' 6A5G : 54649B' .28.' .246' 8 ; 6A5D' 6@6.0C' 627A"D' 28?0' =79G .49A0D# A.' 4.' 46' 0I.5875D4985@' .28.' 2546.489' : 549=06' 627A"D' 28?0' 37""7<0D' .20' 0I8C : "0' 73' .20' 208.209# 064D06' 786.89.490' .20' &508. ' A.57E' : 4A6' 286' .7"D' A6' .28.' 246' 679' 796.89.496 ' 89D' K7?489A6 ' <050' D04340D ' 89D' .28.' .20' 68C0' 2797A5' <86' : 84D' .7' 8"09.49489' ; @' 246' 679' &58.489' 46' 50=75D0D' ; @' A6794A6' 49' .2060' < 75D6 ' é 20' C76.' 8 ; A9D89.' .06.4C79@' 73' 246' C054. ' 46' 246' 38.205' =7990=.0D' <4.2' D4?490' 2797A56*t 089<24"0 ' 4.' =8997.' ; 0' D7A ; .0D ' .28.' 49' .2060' "8..05' =7960=58.4796 ' .20' =050C7948" D4330S0D' B508."@ 357C' .28.' 73' 375C05' D8@6 ' 89D' < 86' 6A=2' 86' =7A"D' 0864"@ ^z0' ;0' ; "09D0D' <4.2' .20' 2546.489' 54.06# 75' .20' =050C79406' 7 ; 605?0D' ; @' .20' 2546.4896' 8.' .20' 3A9058" 73' 796.89.490' .20' &508. ' <050' SA4.0' =7C : 8.4 ; "0' <4.2' .20' 50BA"8G .479@' 73' .20' 2546.489' 50"4B479' ^z0' 00' 8' D0G 6=54 : .479' 73' .20C' ; 0 A60 ; 486# 75' 46' 8' D4330509.' "4B2.' .257<9' 79' .20' 6A ; 0=.' ; @' .20' =7496 ' <24=2' <050' D0D4=8.0D' .7' 246' 2797A5' 83.05' D08.2# 8.' .20@' <050' .20' "86.' <24=2' <050' 6.5A=F' 49' C0C75@' 73' 8' D0=0860D' 03. : 0575*U

^ 9' .20' .<7' : 749.6' 8B8496.' <24=2' 8' 97.0' 73' 49.0557B.479' 286' ;009' : "8=0D' .20' =7C=4"05' 73' .246' D4=.47985@' 46' 97.' D46 : 760D' .7' 8=SA406=0' 49' .20' =79="A6479' D58<9' ; @' .20' .5896=09D09.' 8A.275 73' . EEEEE 7<0?05' .20' 7"D' 0=="06486.4=8" <54.056' C8@') ' .20' =050C79406' <24=2' 8=.A6 8""@' .77F' : "8=0 ' .20' "0B09D6' 89D' .@ : 06' 79' .20' =7960=58.479' =7496' 73' 796.89.490' 89D' 246' 6A=6 =066756' 850' 385' .77' ="085"@' .2760' 73' A9C4.4B8.0D' : 8B8946C ' .7' ; 0' T' 3' ; "09D0DU' <4.2' 89@' =756 50=.' 4D086' 73' : A50' 89D' 6=54 : .A58" 2546.4894.@*Q

* 1 9' .20' 50?0560' 73' 8' 3456.' ; 5866' 6.5A=F' 49' 2797A5' 73' # A50"4A6 ' 83.05' 246' D08.2 ' # , ' .20' .@ : 0' 46' 8' 3A9058" : 4"0' 73' 37A5' 6.75406 ' .20' ; 860C09.' 7598C09.0D' <4.2' 306G .7796' ' .20' A : : 05' .4056' 8D7590D' <4.2' 6.8.A06 ' 89D' 8.' .20' 6ACC4.' 89' 4C : 0548" SA8D54B8# 9' .20' 7 ; ?0560' . ; 0' 208D' 73' .28.' 0C : 0575' 46' 50 : 50G 609.0D' A9D05' .20' 308.A506' 73' 89' 7"D' C89 ' <4.2' .246' "0B09D 1 ' ; '

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20' * ' 75' A9058" 4"0 ' 46' D06=54 ; 0D' ; @' 479 ' 86' T' 8' 6.5A=.A50' 49' .20' 375C' 73' 8' .A550. ' <4.2' .2500' 6.75406 ' 73' 4?75@' 89D' B7"D ' 89D' 7598E' 8' ' ' H

C09.0D' <4.2' 6.8.A06*U' 057D489' D06=54 ; 06' 4.' 86' 8' C866' 73' SA8D589BA"85' 628 : 0 ' 34 0D' 8.' .20' ; 7.E

.7C' < 4.2' =7C ; A6.4 ; "06 ' 79' < 24=2' 8B849' 8' 60=79D' .405' <86' : "8=0D' 73' 64C4"85' 375C' 89D' 8 : : 08589=0 ' ; A.' 98557<05' 89D' 3A594620D' <4.2' 7 : 0949B6 ' .7' .246' 8' .245D' 89D' 8' 37A5.2' <050' 8DD0D ' 08=2' B58DA8""@' D4C4946249B' 49' 64\0 ' . " .20' <27"0' 50G 60C ; "0D' 8' <8.=2E.7<05*U 1 20' =050C79@' 73' =79G 60=58.479' <86' ?05@' 67"0C9' 89D' 4C : 7649B# 3.05' .20' ; 7D@' 28D' ; 009' ="7.20D' 49' .20' 28 ; 4"4C09.6' 73' D08.2 ' 4.' <86' : "8=0D' 79' 8' ; 0D' 73' 4?75@' @7A9B' C09 ' =27609' 357C' .20' 0SA06.5489' 75D05 ' ; 750' 4.' 79' .2045' 627A"D056' .7' .20' : 4"0# 20' =75 : 60' ; 0G 49B' .209' 49.57DA=0D' 49.7' .20' 60=79D' "8@05' 75' 6.75@ ' 4.' <86' 6A557A9D0D' < 4.2' 857C8.4=6' 89D' : 50=47A6' ; 8"C6# 20' A6A8" =050C7940 6' ; 049B' =7C : "0.0D ' 8' .75=2' <86' 8 : : "40D ' 89D' .20' C866' <86' =796AC0D# 3.05' .246' 8 : 7.207646 ' .20' D0G =0860D' 0C : 0575' 75' 0C : 5066' 28D' .0C : "06 ' 8".856 ' 89D' : 5406.6' D0D4=8.0D' .7' 246' 75' 205' 2797A5 ' 89D' .20' 68C0' <75624 :' <86' : 84D' .7' .20' D03A9=. ' 86' : 8B8946C' 509D050D' .7' 4.6' B7D6' 89D' B7DD06606 ' < 24"6.' .20' ABA6.X ' 75' ABA6.p ' < 050' .209=0G 375.2' =8""0D' C ?4' 89D' ! ' 20' 375C' 73' .20' ' D06=54 ; 0D' 86' 8 ; 7?0' ; @' 89=409.' <54.056 ' 46' ; 57AB2.' .7' 7A5' ?40<' < 4.2' 50C85F8 ; "0' =0859066 ' 79' 9AC057A6' =7496# T' C79B6.' .2060 V' 8DD6' =F20"' T' .2050' 46' 790' < 24=2' ' 8C' .7"D ' 6.89D6 =796 : 4=A7A6# 246' 46' 8' KA"48' p68 ' D46=7?050D' 8.' # 7C0 ' 506 : 0=.49B' <24=2' 4.6' .209' : 76606675# 46=7A9.' 994A6 ' 8' 5097<90D' 89.4SA85@ ' <57.0' .7' &858C : 4 ' : 8 : 8" 9A9=47' 8.' 40998 ' .28.' 4.' 46' 67' <0"" 0I0=A.0D ' 89D' 49' 6A=2' 24B2' : 50605?8.479 ' .28.' 49' .20' 60=79D' "8@05' 73' .20' 3A9058" : 4"0 ' .20' =75 : 60' 73' .20' 0C : 5066' 46' 6009' 50=AC ; 09.' 79' 8' ; 0D ' 8' C49A.0' : 85.4=A"85 ' 90?05' ; 03750' D46.49G BA4620D' 49' .20' C790.8" 50 : 50609.8.479' 73' .2060' 3A9058" 6.5A=.A506*U

* 1 2050' 850' .<7' 7.205' "85B0' ; 5866' =7960=58.4796 ' 6.5A=F' ; @' 8A.2754.@' 73' .20' 098.0 ' 49' C0C75@' 73' 85=A6' A50"4A6' 9 ! A ' <24=2' 0I24 ; 4.' 3A5.205' 0I8C : "06' 73' .20' .@ : 06' .28.' 50 : 50609.' .20' D0434=8.479' 73' .246' : 549=0 ' 89D' ; 085' 5030509=0' .7' 4.6' ?8547A6' =050G C79406 1 98C0"@ ,' 9' 08B"0 ' 86' 43' 8 ; 7A.' .7' .8F0' 3"4B2.' 357C' .20' .7 :' 73' 89' 8".85' D0=758.0D' <4.2' 8' 306.779' 73' 54 ; ; 89D6* 1 >' ' =85 ' =79?0@G 49B' .20' D03A9=.' 0C : 0575 16' 6.8.A0 ' D58<9' ; @' 4.3C' 0"0 : 289.6 ' 08=2' C7A9.0D' ; @' 4.6' D54?05 1 8' D0?4=0' <24=2' 605?06' .7' 50 : 50609.' .2760' : 50"4C4985@' D46G : "8@6' 73' 3A9058" : 7C : ' 49' <24=2' .20' 90<' 0CG : 0575 ' 75' .20' 6A5?4?49B' 2A6 ; 89D' 73' 89' 0C : 5066 ' C8D0' 89' 76.09.8.47A6' 0I24 ; 4.479' 73' =76."@' C8BG 9434=09=0*

#*

0309D05# 246' .05C' 350SA09."@' 7==A56' 79' #7G C89' =7496 ' 89D' 286' 5030509=0 ' 49' .20' 3456.' :"8=0 ' .7' .2760' D04.406' <27C' .20' 0C : 05756' 2797A50D' 86' .2045' 38?7A54.0' .A.0"85406 ' 49' :5730660D' 8=F97<G "0DBC09.' 04.205' 73' .2045' B09058#" : 57.0=.479 ' 75' 7"# 67C0' : 85.4=A"85' 38?7A56# MK7 ; 05. ' 4# >H, N*

20' 8..54 ; A.06' 73' 8' " $ $' 850' 89G 90I0D' 79' =7496 ' .7' .20' 98C06' 73' KA : 4.05 ' :7 7' M75' 7"N ' 0 : .A90 ' 856 ' 05=A"06 ' 89D' 8"67' 73' 8==2A6 ' A9D05' .20' 8 : : 0""8.479' 73') '#

9' .20' 90I.' : "8=0 ' 4.' 503056' .7' .20' C : 05756' .20C60"?06 ' 67C0' 73' <27C' <050' 67' =8""0D' 79' .2045' =7496 ' 86' 49' .20' # #' 83.0' 73' &8""409A6# 20' 0C : 0575' 6.89D49B' <4.2' 6 : 085' 49' "03.' 289D ' 27"D6' 246' 54B2.' 01.09D0D' 8 ; 7?0' .20' 208D' 73' 8'F900"49B' 34BA50# "67' # 8375' W3 ' # ' # ' ' "6 - ' # * ' ' # K4 48< ' + # (' 89D' *

#' &* 1 ' SA8D54B8 ' =79G ?0@49B' 8' =794=8"E628 : 0D' 6.790 ' .7B0.205' <4.2' 89' 08B"0' 6 : 508D49B' 4.6' <49B6# 9' .20' 340"D' 8' 6.85# &7"D' 73' "8B8 ; 8"A6*

20' 6.790' 38624790D' 49' 8' =790E"4F0' 375C' 50 : 50G 609.6' .20' @5489' D04.@' <2760' <75624 :' "8B8 ; 8"A6' 49.57DA=0D' 49.7' #7C0# 00' .246' 50C85F8 ; "0' 50G ?0560' 09B58?0D' 89D' 8997.8.0D' 49' F05C89' ??4# 4# , ' :4# ?44# 7# E 1 00' 8"67' " ` ' ' % # ;08549B' 8""A6479' .7' .20' 68C0' 7 ; 0=.' 73' .28.' 0C : 0575L6' 75409.8"# 4D7"8.5@*

&&*EEEEE ' 98F0D' :7 7 6.89D49B' <4.2' 8' ; 589=2' 49' .20' 54B2.' 289D ' 89D' .20' "03.' 506.49B' 79' 8' "@50# 4898' 6.89D6' ; 064D0' 24C ' 49' 8' D5066 ="760"@' B45D0D ' D58 <49B' 89' 8557<' 357C' 8' SA4?05' <4.2' 205' 54B2.' 289D ' 89D' 27"D49B' 8' ; 7<' 49' 205' "03.# 4"?05' 73' 8"0548996*

7496' 0I24 ; 4.49B' :7 7' ' <4.2' .246' 49G 6=54 : .479 ' 850' <0 ' F97<9' ' ; A.' .4 ' .246' 496.89=0 ' 9790' 28?0' ; 009' D46=7?050D' <24=2' 8667=48.0' <4.2' 24C' 246' 646.05' 4898# 75' .20' 508679' <2@' ; 7.2' .2760' D04.406' <050' <75624 : : 0D ' 06 : 0=48""@' DA549B' .20' : 0547D' 357C' .20' 504B9' 73' 50 ; 79489A6' &8 A6' .7' .28.' 73' 8"05489A6 ' 600' + ' :# [' 0.' 60S# 73' .246' D4=.47985@# ' 20 ' <27 ' 49' 246' 6A : : "0G C09.' .7' 84 89.' M :# , [N ' 286' B4?09' 89' 0 ' 73' .246' 0"0B89.' 89D' 0I.50C0"@' 5850' D09854A6 ' 8 AD06' .7' .20' : "8BA0' <24=2' 58B0D' .257AB27A.' .20' 0C : 450 ' 357C' ' >[, ' .7' # # > ' ; 7.2' @0856' 49="A64?0' ' 89D' : 05.4909."@' 50C85F6 ' 49' 50G 30509=0' .7' .246' =749 '. 28.' A6.' 86' .20' 68D' ; 0508?0G C09.' 73' 47 ; 0 ' 67' 8"67' 89@' B540?7A6' : 06. 09=0' <86' 8..54 ; A.0D' ; @' .20' 6A : 056.4.479' 73' .2760' .4C06' .7' .20' <58.2' 73' ; 7.2' :7 7' 89D' 4898*

#' # ' *EEEEEE <7C89' 6.89D49B ' 205' 208D' =7?050D' <4.2' 89' 0"0 : 289.L6' : 57 ; 76=46' 8.' 205'300.' 8' 79' 89D' 8' ; 8 ' "@49B' D7<9# 0=79D' ; 5866' M C : 0548"# A60ACN# 8I4C489' 05=A"06*

9' 8"C76.' 64C 85' .@ : 0' 8 : : 0856' 79' =7496' 73' 47="0.489' 89D' 8I4C489 ' 496=54 ; 0D' 82)' D ' 1<_' ' 20' "8..05' 0C : 0575' D0308.0D' .20' %A49SA0B09.489.4' 49' 354=8 ' # # >a ' ' 89D' 209=0' 246' : 7 : A"854.@' <4.2' .20' 354=896' 89D' 85.28G B494896 ' <24=2' 20' 97<' 09D08?7A50D' .7' 50?4?0 ' 49' 75D05' .7' 6.509B.209' 246' 27"D' 79' .20' 0C : 450* 20' 68C0' 50?0560' 7==A56' 79' =7496' 73' 8I09E .4A6 ' 89D' 8"67' 79' 796.89.490L6*

>[H

' ' # # *EEEEE .0C : "0' 73' 64I' =7"AC96 ' 49' <24=2' 8' <7C89' 6.89D6 ' <4.2' 8' ; 589=2' 49' 08=2' 289D# 0=79D' ; 5866' 73' 8I4C489' 05=A"06*

20' 68C0' 50C85F6' 8 : : "@' .7' .246' 86' .7' .20' : 50G =0D49B' =749# '4F0' 50?0560' 46' 350SA09.' 79' .20' =7496' 73' 8I09.496' 89D' 796.89.490*

75' # # ' # OR' * 1 ' .0C : "0' 73' 64I' =7"AC96 ' 49' <24=2' 46' 608.0D' #7C0 ' B 08.0D ' <4.2' 8' B"7 ; 0' 49' 205' 54B2.' 289D ' 89D' 8' 6 : 085' 49' 205' "03.' 289D# 0=79D' ; 5866' 73' 8I4C489' 05=A"06*

(2@' .20' 8 ; 7?0' 6 : 0=4C09' 627A"D' ; 0' 50=F790D' 49' .246" =866' 73' =7496 ' 97.<4.26.89D49B' .20' 8 ; G 609=0' 73' .20' <75D' # "F % 49' .20' "0B09D' 73' .20' 7 ; ?0560 1 46' 8' : 749.' <24=2' =F20"# 50B85D6' 86' 73' 086@' 0I : "898.479# 28.' .246' D46.49=.4?0' .4."0' <86' 97.' 8"<8@6' 8DD0D' 49' .20' C49.8B06' 73' 8I4C489' 05=A"06 ' 46' 620<9' ; @' .20' 38=. ' .28.' =7496' 496=54 ; 0D' " 3 ' * $ ' ' C ' 850' 37A9D' 79"@' <4.2' .20' 208D' 73' 8I4C489' 05=A"06 ' 8I09.4A6 ' 75' 796.89.490 ' <27' <050' =79.0C : 758907A6' 0C : 05756' " 3 ' % ' 89D' 9790' <4.2' .20' 208D' 73' 47="0.489# 9D' 4.' <7A"D' ; 0' ?05@' 649BA"85 ' <24"6.' .20@' 850' =7CC79' 49' .20' =860' 73' 8I4C489 ' 43 ' 6A : : 7649B' 89@' .7' 28?0' ; 009' 6.5A=F' DA549B' .20' =7 08BA0624 :' 73' 47="0.489 ' 9790' <050' 375.2=7C49B' <24=2' ; 750' 246' : 75.584. ' <209' 4.' 46' <0 ' F97<9 ' .28.' .20@' 8"C76.' 49?8548 ; "@' A60D' .20' 68C0' 50?05606# 4C 85' 50?05606 ' <24=2' 89DA54' 286' =7990=.0D' <4.2' .20' 208D6' 73' 7.205' 0C : 05756 ' =F20"# =7964D056' 99E' <75.2@' 73' 97.4=0 ' 649=0' .20@' : 50' D054?0D' 67"0"@' 357C' 0D47 ; 85 ; A6# 7' D7A ; . ' 8K3.05 ; 049B2858660D' ; @' .20' 38=.4796' 73' 8I09.4A6' 89D' 0?05A6 ' #7C0' <0"=7C0D' 8I4C489A6 ' 79' 246' 50.A59' 357C' A=8E' 948' 89D' 50E866AC : .479' 73' .20' : A5 : "0 ' 86' 8' 50B0905G 8.75 ' 86' .20' =7496 ' =8""' 24C ' 8' ' 89D' 246' 605?4=06' .7' .20' =4.@' 850' !758.754=8""@' "8AD0D' ; @' .20' A9F97<9' 8A.275' 73' 8' : 890B@54= D0D4=8.0D' .7' 8I4C489' 89D' 796.89.490 ' =28 : # +' 89D' I4* 1 00' * ' ' ' ?44# >[*

75' # # ' # # * 1 ' .0C : "0' 73' 37A5' =7"AC96 ' 49' .20' : 0D4G C09.' 73' <24=2' 850' .20' <7"3' 89D' .<496 ' 89D' 8.' 08=2' 09D' 73' .20' 09.8 ; "8.A50' 6.89D' .<7' ?4=.75406' 27"D49B' =57<96# (4.249' .20' .0C : "0# #7C0' B8"08.0D ' 64.6' 79' 8' ; A=F"05 ' 506.49B' 205' 54B2.' 289D' 79' .20' 286.8 ' 89D' <4.2' 205' "03.' 289D' 733056' 8' B"7 ; 0' .7' 8' C 4.85@' 34BA50 ' <27' 6.89D6' ; 03750' 205 ' <4.2' 6 : 085' 49' .20' 54B2.' 289D ' 89D' : 78.9B' 246' 54B2.' 377.' 79' 8' =8 : .4?0# 9' .20' 0105BA0' ' :# %# 9' 60=79D' ; 5866' 73' 8I09.4A6 ' <209=0' .246' 50?0560 ' 67' 50 : "0.0' <4.2' 49.0506.49B' D0.84"6' 73' .@ : 434=8.479 ' 46' 09B58?0D' 86' 8 ; 7?0# 0 0549' 286

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85=7C : 894=D' ; @' .20' 20"C0.0D' ; A6.' 73' .20' =4.@' 73'
796.89.497 : "0 ' : 056794 ' 0D ' .20286.8' : A58' 79'
205' 6279"D056/ 79' .20' 50?05606' 850' .20' 60?058"
"0B09D6' 73'
% ' (') * + ,) , ' % , (' + , - - (8 ' 8""A64?0' .7' .20' 50 : 858.4796 ' 506.758.4796 ' 89D'
C4"4.85@' 6A==06606 ' ="84C0D' .7' 28?0' ; 009' 8=240?0D'
375' .20' 0C : 450 ' ; @' 796.89.490' 89D' .20' : 549=06'
73' 246' 38C4"@* 1 9B58?0D' 49' 8?05=8C : ' ') '
' ' 3%
' + '49' 8""8.05' 8B0 ' <86' 790' 8C796B6.'
.20' 9AC ; 05' 73' .2760' =4.406' .7' < 24=2' .20' 54B2.'
73' =74949B' C790@' <86' B589.0D* 09=0' 79' 67'
C89@' =7496 ' <0' 508 ' 8.' .20' ; 7..7C ' =79*
=*

' "! ' 4 ' '
% ' 6AC8C0D' ' 75' ' <86'
.20' 679' 73' 796.89.496' 2"75A6 ' 89D' 73' 0"098 '
3456.' <430' 73' .28.' : 549=0 ' 679' 49' "8< ' 73' 814'
C48996' 05=A"0A6 ' 89D' ; 57.205' 49' "8< ' 73' 4=4'
9496* 0' <86' ; 7C' 8.' 846696 ' 49' 85D8A48 '
= =* , > ' = > N* 46' ; 45.2ED8@' 46'
3410D' ; @' .20' =8"09D85' 73' 479@64A6' 24"7=8"A6 '
" .20' H5D' ; 03750' .20' =8"09D6' 73' 85=2* (209'
47="0.489 ' 9* >a> ' 609.' 246' 38.205' <4.2' .20'
.4."0' 73' 00685' 49.7' &8A" ' 20' D0.8490D' 796.89G
.490' 86' 8' F49D' 73' : "0DB0 ' 89D' ; 0=8C0' B508."@' 8.G
.8=20D' .7' 24C' 79' 8=== 7A9.' 73' 246' 8C48 ; 4"4.@' 89D'
49.0B54.@' 73' D46 : 764.479* 9' .20' 8 ; D4=8.479' 73'
47="0.489' 89D' 814C489 ' 9* H [' 796.89G
.490 ' 49' .20' C4D6.' 73' 246' 68.4638=.479' 8.' 60049B'
246' 38.205' 58460D' 357C' .20' 80685489' .7' .20' CG
: 0548" D4B94.@ ' 6.4"" 37A9D' 24C60"3' : "8=0D' 49' 8'
C76.' : 50=8547A6' : 764.479 ' 649=0' &8"* 814C489A6 '
<27' 6A==00D0D' .7' 47="0.489 ' 97.' 79"@' 7 : : 760D' 246'
74949B' 246' 38.205 ' 2A.' 7 : 09"@' : "7..0D' 8B8496.' 246'
"430* 0' .20503750' C8D0' 246' 06=8 : 0' 357C' 4=7E'
C0D48 ' 83.05' D468 ; "49B' .20' : A ; "4=' 275606' 49' 75D05'
.7' D0"8@' : A56A4. ' 89D' 508=20D' 246' 38.205' 49' 54G
.849' 8 ; 7A.' .20' ; 0B49949B' 73' 9* H ' 89D'
79' .20' D08.2' 73' 796.89.496 ' <24=2' 28 : : 090D'
6275."@' 83.05<85D6' 8.' 75F ' 79' .20' > [.2' 73' KA"@ '
796.89.490' 24C60"3' <86' 79' .20' 68C0' D8@' : 57G
="84C0D' ABA6.A6' ; @' .20' A9894C7A6' ?74=0' 73' .20'
85C@* 246' =274=0' 97.' D8549B' 7 : 09"@' .7' D46G
: A.0 ' &8"* 814C489A6' M<27' 49' =7960SA09=0' 73'
246' ; 049B' .20' 6A==06675' 73' 47="0.489 ' 28D' 8557G
B8.0D' .7' 24C60"3' .20' 6A : 50C0' 8A.2754.@' 7?05'
.20' 0C : 450' 89D' 0?09' 7?05' 4.6' 5A"056N ' 37A9D' 24CG
60"3' =7C : 0""0D' .7' 8=F97<"0DB0' 796.89.490' 8.'
"086.' 86' 00685' .27AB2' <4.2' 50"A=.89=0 ' 89D'
>'

*

>[
=7496' ; 0B89' 375.2<4.2' .7' ; 0' 6.5A=F' <4.2' 246'
98C0' A9D05' .28.' .4."0*
H * 46' 38.205L6' : 57?49=06 ' &8A" 89D'
54.849 ' <050' 8664B90D' .7' 796.89.490* &8"0E'
5496' 97C498.0D' 0?0586' 00685' 86' ABA6.A6 ' 49'
.20' 577C' 73' 796.89.496' * D0=0860D* 779' 83.05G
<85D6' 8109.4A6' 8"67' 866AC0D' .20' 4C : 0548"* .4."0'
8.' #7C0 ' 89D' 506.750D' .20' : A5 : "0' .7' 246' 38.205'
814C489A6' 05=A"0A6 ' 50=8""49B' 24C' 357C' "8E'
=8948* 796.89.490' B8490D' 8' ?4=.75@' 7?05' .20'
589=4' 89D' .20' 5A=.054 ' 89D' =7CC09=0D' .20'
; A4"D49B' 73' 8' ; 54DB0' 7?05' .20' #2490 ' 9085' B54 : G
: 498' " ' %
u1 ' 796.89.490' .246' @085' 09.050D' 79' 246'
3456.' =796A"8.0 ' 8==75D49B' .7' .20' 50=75D6' 73'
.20' 86.4 ' =793A60D' 86' .20@' 850' 8.' .246' : 0547D* 1 '
20' 68C0' @085' 0?0544 6' ; "70F8D0D' 8109.4A6' 49'
#7C0 ' ; A.' ; 049B' =7C : 0""0D' .7' 5846' .20' 640B0 '
89D' .8F09' : 5467905' 8.' #8?0998 ' 20' <86' : A.' .7'
D08.2' ; @' 75D05' 73' 05=A"0A6' 814C489A6* 05E'
=9"0A6 ' D508D49B' .20' ?09B089=0' 73' &8"054A6' 375'
.246' 8=. ' <09.' 49.7' &8A" ' 89D' .2050 ' 49' 75D05' .7'
<49' 24C' 7?05' .7' 246' =8A60 ' B8?0' 796.89.490' .20'
.4."0' 73' ABA6.A6 ' 89D' 246' D8AB2.05' 8A6.8' 49'
C85548B0* &8"054A6' 8..0C : .0D' .7' .8F0' #7C0 '
; A.' ; 049B' 50 : A"60D' ; @' 8109.4A6 ' 89D' D5?09' 7A.'
73' .8"@ ' =508.0D' 4=49496' 0C : 0575' 49' .20' 577C'
73' 0?05A6* 9' .20' 68C0' @085' 8"67' 796.89.490'
89D' 844C4996' 8\8' 08=2' 50=04?0D' 357C' &8"054A6'
.20' .4."0' 73' ! ' '
H * 814C49A6' 8\8' 866AC0D' .20' .4."0'
73' ABA6.A6 ' 8.' 3456.' 8B8496.' .20' <46206' 73'
&8"054A6 ' ; A.' 83.05<85D6' <4.2' 246' 86609.' 79G
6.89.490' ; 049B' 8DC4..0D' .7' 8' : 85.4=4 : 8.479' 73' .20'
68C0' 2797A5* 9' .246' @085' 8==75D49B"@ ' 79G
6.89.490' ; 0B89' .7' ; 0' 8=F97<"0DB0D' 86' 0C : 0575'
.257AB27A.' .20' 09.450' 0C : 450* 9D' .2A6' .2050'
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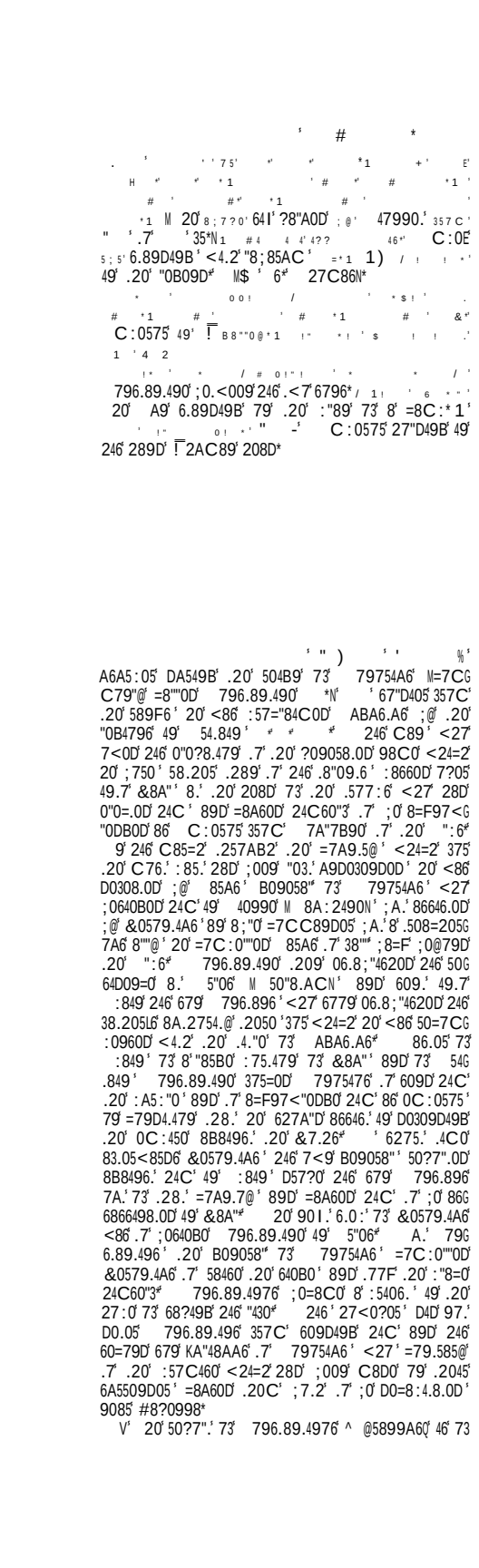
9A6' 05=A"0A6 ' 34?0' ABA6.4 ' ?4* &8"054A6' 814G
C489A6 ' 796.89.490 ' 814C4996 ' 4=494A6 ' 89D'
8109.4A6* 1 796.89.490 ' ; 049B' 49375C0D' 73' .20'
: "7.6' 75B894\0D' 8B8496.' 24C60"3' ; @' 05=9"0A6 '
; 0640B0D' 24C' 49' 8664"48' M 85604""06N ' 89D' 50G
DA=0D' 24C' .7' 8' 64A509D05 ' 89D' .20' =79D4.479' 73'
8' : 54?8.0' =4.4\09*
H, * 814C489A6' 05=A"0A6' 28?49B' ; 009'
=79?4=.0D' 73' 35062' : "7.6 ' 796.89.490' : A.' 24C'
.7' D08.2* 20' 68C0' @085' 20' : 57=00D0D' <4.2'
.20' <85' 8B8496.' .20' "0C8994*
H, , * &8"* 814C489A6' D@49B ' 4=494A6' 89D'
814C489A6' .77F' : 766066479' 73' 246' : 57?49=06*
796.89.490 ' 79' 208549B' .28.' 8109.4A6' 28D'
=8A60D' 246' 6.8.906' .7' ; 0' .257<9' D7<9' 8.' #7C0 '
89D' <86' : 50 : 8549B' 276.4"4.406' 8B8496.' 24C' 49' 50G
.8"48.479' 375' 246' 38.205L6' D08.2 ' : 50 : 850D' 375' <85*
1 9D05' .2060' =45=AC6.89=06 ' 357C' C7.4?06' 73'
: 7"4=@ ' 20' ; 0.57.20D' 246' 646.05' 796.89.48' .7'
4=494A6* ==75D49B' .7' A60 ; 4A6 ' 28?49B' 6009'
49' .20' 208?096' .20' 34BA50' 73' .20' =5766 ' <4.2' .20'
<75D6 ' T' 9' 27= 64B97* ?4=.75' 0546 U' 20' 7 : 09"@'
8D7 : .0D' .20' 2546.489' 50"4B479 ' 89D' =8A60D' .20'
64B9' 73' .20' =5766' .7' ; 0' D46 : "8@0D' 79' .20' 4C : 0548"*
6.89D85D6' 89D' 6240"D6*
H, >* 0' D0308.0D' .20' &09058"6' 73' 8109.4A6 '
3456.' 8.' 8A549A6' M A549N ' 89D' 83.05<85D6' 8.' 0G
5798' ' 89D ' 49' 8' 3498* 8=.479' 8.' .20' 796' K"4"?4A6 '
9085' #7C0 ' ?89SA4620D' 8109.4A6' 24C60"3 ' 89D



b ' *

.20' 8 ; "0' 89D' 20574=' D0309D05" 73' 796.89.497 : "0' 8B8496.' 4.6" A5F462' ; 0640B056 ' ; @' <27C ' 49' .20' B09058"' 8668A".' 79' .28.' A9375.A98.0' =4.@ ' 20' <86' 6F49 ' ' ' , [H' (4.2' .20' 04=0 : .479' 73' .20' .2500' 3456.' 796.89.4906' 8"508D@' 97.4=0D ' .20' =7496

b ' *

73' .20' C : 05756 ' 67' =8""0D ' ; 0"79B' .7' < ; 8.' 46' =8""0D' .20' * >M ' 605406 ' <4.2' 4 ?' "0B09D6"' 20@' =7960SA09."@' D7' 97.'=7C0' <4.249' .20' 97.4=0' 73' .246' D4=.47985@ ' <24=2' 46' =793490D' .7' 6A=2' 89=409.' =7496' 86' ; 085' ' "0B09D6*

' *' "! ' %'

69C8C0D' ' ' 357C' .20' 8""0B0D' : 8"09066' 73' 246' =7A9.0989=0 1 .20' 38.205' 73' 796.89.490' .20' &508. 1 <86' 679' 73' A.57 : 4A6 ' 8' 85D89489' 97 ; "0G C89 ' 89D' 73' "8AD48 ' 940=0' 73' "8S "49H' &7. ; 4=A6 ' ; 759' 49' : : 05' 40648 ' 8 ; 7A.' ' ' > >' 4.. "0' 097AB2' 8DD4=.0D' .7' "4.0585@' : A56A4.6 ' ; A.' DOG =4D0D"@' 49="490D' 375' 8' C4"4.85@' "430 ' 20' 09.050D' 085"@' 49.7' .20' 605?4=0' 73' .20' : 50.7548 9' BA85D6 ' 89D' 8..8490D' .7' .20' 589F' 73' .54 ; A90' 49' .28.' =75 : 6*' 0' D46.49BA4620D' 24C60"3' A9D05" A50"4899' 89D' 57 ; A6 ' 8B8496.' .20' 85C8.4896' 89D' &05C896* 1 ' 9' > >' 20' <86 8 : : 749.0D' B7?05975' 73' 8"C8.48 ' A9D05" 8C6 ' <27' 20"D' 24C' 49' 6A=2' 24B2' 06.00C ' 86' .7' 28?0' 49.09D0D' .7' 8 : : 749.' 796.89.496' 86' 246' 6A==06675 ' 496.08D' 73' 246' 7<9' A9<75.2@' 679' 8549A6' A.' .20' D08.2' 73' 8586 ' A928 : : 4"@' 375' .20' 0C : 450 ' : 50?09.0D' .246' D064B9' 357C' ; 049B' =8550D' 49.7' 0I0=A.479* 1 9' >a> ' 20' <86' 8D7 : .0D ' 89D' D0="850D' 60685 ' ; @' 844C489' 05=A"06 ' 47="0.489' 8.' .20' 68C0' .4C0' : 57="84C49B' &8"0E 54A6' 814C489' 86' .20' 3456.' 73' .20' .<7' 7.2' 806856' 50=04?0D' .2045' 8 : : 749.C09.' 8.' 4=7C0D48' 1 9' .20' 8 : : 75.479C09.' 73' .20' 0C : 450' ; 0.<009' .20' 37A5' : 549=06 ' 796.89.496' 28D' 8664B90D' .7' 24C' .20' B7?059C09.' 73' &8A" ' : 849 ' 89D' 54G .849' 246' 46"89D' 28D' ; 009' .8F09' : 766066479' 73' ; @' 858A64A6 ' <27' 6779' 509D050D' 24C60"3' 49D0G : 09D09.' 73' 47="0.489' 89D' 814C489' "'0=.A6 ' 28?49B' CA5D050D ' 6A==00D0D ' 858A64A6 ' 49' >aH' A.' 796.89.496' 5067"?0D' .28.' .246' A6A5 : 8.479' 627A"D' 97.' CA=2' "79B05" =79.49A0' 3.05' .20' 50E06.8 ; "462C09.' 73' .589SA4""4.@' 49' &8A" ' .246' 0905B0.4=' : 549=0' ; 57AB2.' 54.849' 49.7' 6A ; 0=.479 ' 89D' 50EA94.0D' 4.' .7' .20' 0C : 450' ' 00' ' 89D' oo ~ A 1 9' >a ' 20' 50.A590D' .7' &8A" ' <24=2' .20' "0C899' 28D' 49?8D0D ' 89D' 49.7' <24=2' .20@' 28D' 8D?89=0D' 86' 385' 86' 49B7906 ' 49' ABDA909646' 54C8 ' 97<' 89B506' 2050 ' 83.05' 8' B508.' ; 8.. "0 ' 49' <24=2' .20' #7C896' <050' 79' .20' : 749.' 73' ; 049B' A..05"@' D0308.0D ' 796.89.496' 50G 6.750D' .20' 375.A90' 73' .20' D8@ ' 89D' .20' ; 85 ; 854896' <050' 6"8AB2.050D' ; @' .096' 73' .27A689D6' 0' <86' 97.' "066' 6A==0663A" 8B8496.' .20' 0"?0.4896 ' <27C' 20' 46' 684D' 97.' 79"@' .7' 28?0' D54?09' 7A.' 73' &8A" ' ; A. ' 37' "7<49B' A: ' .7' 28?0' ?89SA4620D' .20C' 49' .20' 2085.' 73' .2045' =7A9.5@*

9' .20' , 6.' 73' 8@ ' H [' 47="0.489' 89D' 814C489' 05=A"06' 28?49B' 8 ; D4=8.0D ' 796.89G .496' 2"75A6' 89D' &8"054A6' 814C48996' <050' 50G =7B9460D' 86' ' 89D' 504B90D' 86' =7*0C : 0G 5756' <4.2' 814C49A6' 8\8' 89D' ' 0?0586* 1 ' 97.205' : 85.4.479' 73' .20' 0C : 450' <86' .209' C8D0' ; 0.<009' .20' 37A5' : 549=06' 796.89.496' 50C8490D' 49' 246' 7"D' D7C494796' 73' &8A" 89D' 54.849 ' <2050' 20' B7?0590D' <4.2' .20' .4."0' 73' 609475' ABA6.A6' DA549B' .20' 6 : 8=0' 73' 343.009' C79.26 ' 8.' .20' 01G : 458.479' 73' <24=2' MKA"@' >[.2 ' H N ' 20' D40D' 8.' ; 758=9C ' 97<' 75F ' 8B0D' [' 246' 0?09.' .77F' : "8=0 ' 96.' 86' 20' <86' 50.A590D' 357C' 8' 6A=G =0663A" 0I : 0D4.479' 8B8496.' .20' 40.6' 49' 8"0D7948 ' 49' <24=2' 20' <86' 8==7C : 8940D' ; @' 246' 679' 79G 6.89.490' 46' 50C8496' <050' 49.0550D' 8.' 75F ' 89D' 246' C0C75@' =79.49A0D' "79B' .7' ; 0' 20"D' 49' ?09058.479' ; @' .20' #7C896 ' <27' : "8=0D' 24C' ; @' =7960=58.479' 49' .20' 589F' 73' .20' B7D6*

246' : 549=0' <86' <75.2@' 73' ; 049B' =7C : 850D' <4.2' .20' ; 06.' 67?0504B96' .28.' 0?05' 20"D' .20' 4CG : 0548" 6=0 : .50" .' 28D' ; 009' <0"" 375' .20' #7C89' <75"D' 28D' 20' ; 009' : 05C4..0D' .7' B7?059' 4.' 8"790" 9' : 05679' <0"" C8D0 ' ; 3' 8' C8 06.4=' D0C08975 ' 89D' B508.' ; 094B94.@' 73' =798.0989=0' ' =8"C9066' 73' .0C : 05 ' C4"D9066' 73' D46 : 764.479 ' C7D06.@' 89D' .0C : 0589=0 ' 850' D06=54 ; 0D' .7' 28?0' ; 009' 8C79B6.' 246' C76.' D46.49BA4624 9B' =2858=.0546.4=6" AC890 ' ; 090?7"09. ' .5A0' .7' 246' <75D' 73' : 57G C460 ' A6.' 89D' 0SA4.8 ; "0' 49' ; 46' D08"49B6 ' 20' 09G .05.8490D' 375' 246' 6A ; 0=.6' 8' .09D059066' 73' 50B85D ' <24=2' C8D0' 24C' 8"<8@6' 6.AD47A6' .7' : 57C7.0' .2045' 28 : : 49066" ".27AB2' 20' 90?05' 7 : 09"@' : 57G 30660D' 2546.4894.@ ' 20' 0124 ; 4.0D' 97.' 79"@' .7"05G 89=0 ' ; A.' 8' : 47A6' 6@C : 8.2@' .7 < 85D6' .20' : 05G 60=A.0D' C0C ; 056' 73' .28.' 50"4B479" 79?49=0D' %3' .2045' 34D0"4.@ ' 20' 83375D0D' .20C' 89' 86@"AC' 49' 246' 7<9' : 8"8=0 ' 09.596.0D' .20C' <4.2' 4C : 75.89.' 8338456 ' 89D' =7934D0D' .20' 6830.@' 73' 246' : 05679' .7' .2045' BA85D489624 : *

796.89.496' <86' .<4=0' C85540D" 46' 3456.' <430' <86' 0"098 ' <27C' 20' 50 : AD48.0D' 8.' .20' 50SA450G C09.' 73' 814C489' 05=A"06 ' <2760' D8AB2.05' 207D758' ; 0=8C0' 246' 60=79D' <430" @' .20' 375G C05' 20' 28D' 796.89.490' ' ; @' .20' 60=79D' 20' 28D' 641' =24"D509*

& ' ' ' *

9' =7496' 73' 796.89.496' 2"75A6 ' : A ; "4620D' ; @' 89DA54 ' <4.2' .20' 496=54 : .479' 73' $ ' ~ ' 75') ' ' ' 246' 208D' 46' 375' .20' C76.' : 85.' 6009' 8D7590D' <4.2' 8' =57<9' 73' "8A50" ' 0I=0 : .' .<7' =7496' 49' <24=2' .20' 58D48.0D' =57<9' 8 : : 0856*

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3== : 49B' C8668=50' < 24=2' .2045' 8C ; 4.47A6' A9="0' 7A6.89.4A6' : 0534D47A6"@' =7994?0D' 8. ' 89D' < 24=2' D0 : 54?vD' .2045' 38.205' 73' "430≠ 9' H [, ' .28.' ?05@' F496C89' =508.0D' 24C' r 685 ' 8667=48.0D' 24C' 49' .20' 4C : 0548"≠ B7?059C09. ' 89D' =8A60D' '24C' .7' 8DD' .7' 246' 7<C .20' 98C0' 73' 79G 6.89.496≠ 8?49B' 8"67' B4?09' 24C' 375' < 430' 246' 646.05' 796.89.498 ' .20' <4D7 < ' 73' 8994 ; 8"E "489A6 ' .20' 85.3A"≠ 0C : 0575' 8664B90D' .7' &8""A6' .20' D0309=0' 73' .20' 086.059' : 57?49=06' 8B8496.' .20' 0564896 ' 89D' 609.' 24C' .7' 5064D0' 8.' 9G .47=2≠ 20' @7A9B' : 549=0' < 86' B43.0D' < 4.2' 8' <0""≠ 375C0D' : 05679 ' 89D' 8' : 50 : 7660664 9B' =799.0989=0' ' 20' 28D' 8"67' 89' 4C : 7649B' 845' 73' B589D0A5' 49' 246' D0 : 75.C09.≠ 46' ; 57.205' KA"489' 89D' 24C60"3' 28D' : 8660D' .2045' @7A.2' .7B0.205' 49' 8' F49D' 73' 014"0 ' 89D' .2045' 0DA=8.479' 28D' ; 009' =79G 3490D' .7' .20' 6.9D@' 73' 0=="06486.4=8≠ "4.058.A50 ' 89D' .7' .20' : 58=.4=06' 73' 86=0.4=' : 40.@≠ 246' =79560' 73' 496.5A=.479' 28D' 8..8=20D' &8""A6' .7' .20' 2546.489' 2A5=2 ' ; A.' 4.' 28D' 97.' .8AB2.' 24C' .7' 50 : 5066' 246' : 8664796 ' < 24=2' < 050' 73' 6A=2' 8' 28AB2.@ ' 49E' 67"0A.' 89D' 68?8B0' D06=54 : .479 ' 86' .7' 509D05' 24C' 89' 7 ; 0=.' 73' D508D' 89D' 28.50D' DA549B' .20' < 27"0' : 0547D' 73' 246' 5064D09=0' 49' @548≠ .' < 86' .2050' .28.' 20' 627 < 0D' 24C60"3' 49' .20' A9D46BA460D' ?47G "09=0' 89D' ; 5A.8"4.@' 73' 246' 98.A58"≠ =2858=.05≠ 0' : 05 : 0.58.0D ' ; 7.2' 7A.' 73' 246' 7<99 ?4=47A6' D46 : 7G 64.479 ' 89D' 8.' .20' 496.4B8.479' 73' 246' < 430' < 27' < 86' 97.' "066' BA4".@' .289' 24C60"3 ' 8=.6' 73' .20' C76.' 3"8B589.' 49 A6.4=0 ' 89D' 73' .20' C76.' 50?7".G 49B' =5A0".@≠ .' 79=0' .20' 6 : @' A : 79 ' 89D' .20' 8==A605' 73' 246' 6A ; 0=.6 ' 20' =8A60D' 8"" ' 73' < 2760' < 08".2' 20' < 86' =7?0.7A6 ' .7' ; 0' : A.' .7' D08.2' < 4.2G 7A.' 89@' 375C' 73' "0B8"≠ : 57=0DA50≠ 20' D08.2' 73' 207 : 24"96 ' B7?05975' 73' @548 ' < 27C' 20' 8 ; 89G D790D' .7' .20' C05=4"066' 3A5@' 73' 89' 9.47=2489' : 7 : A"8=0 ' 89D' .20' 8.57=47A6' ; 85 ; 854.@' < 4.2' < 24=2' 20' D0"4?050D' 9AC0C96' 7.205' : 056798B06' 73' D46G .49BA4620D' 589F ' 49.7' .20' 289D6' 73' .20' : A ; "4=' 010=A.47905 ' 57960D' 8' B09058" 6 : 454.' 73' 50646.89=0' .7' 246' .@5899@' ' 89D' 20' < 86' D097A9=0D' .7' .20' 0C : 0575* 1 796.89.496' *' 609.' 7C4.489A6' : 50E' .7548 9' : 5030=.' 73' .20' 86. ' 89D' 79.4A6' S906.75' 73' .20' : 8"8=0 ' .7' 246' 5064D09=0' 8.' 9.47=2 ' 375' .20' : A5 : 760' 73' 49SA4549B' 49.7' 246' =79DA=.≠ KA6."@' =285B0D' < 4.2' C8"E8DC4946.58.479 ' D467 ; 0D409=0 ' 89D' =5A0".@ ' 49' 246' B7?059C09.' 73' .20' 86. ' 20' 0975C7A6"@' 49=50860D' 246' BA4".' ; A..49B' .20' 8 ; 7?0E98C0D' 4C : 0348"≠ =7CC466479056' .7' D08.2≠ .' 8 : : 0856' .28.' .2060' 605?89.6' 73' 796.89.496 ' 496.08D' 73' 09698549B' 24C' < 4.2' B09."0' : 056A864796 ' 49' =79375C4.@' < 4.2' .2045' 496.5A=.4796 ' 28D' .20' 4C : 5AD09=0' .7' 8D7 : .' .7 < 85D6' &8""A6' .20' "89BA8B0' 73' C098=0' 89D' D03489=0 ' 89D' .20' =7960SA09=0' < 86' .20@' < 050' .7C ' .7' : 40=06' ; @' 89' 493A548.0D' CA".4.AD0 ' < 27C' &8 A6' 28D' 01=4.0D' .7' D06.57@' .20C≠ 20' 0C : 0575' 308549B' .28. ' 83.05' .246 ' 246' 90 : 20 < ' < 7A"D ' 49' D06 : 058.479 ' ; 0' "0D' .7' 8DD' 7 : 09' 50 ; 0""479' .7' 246' 7.205' 73309=06 ' 28D' 50=7A560' .7' 90 < ' : 57C4606 ' < 4.2' .20' ?40 < ' 73' D58 < 49B' 24C' 8 < 8@' 357C' 9.47=2' ' 3A""@' 5067"?0D' .7' : A9462' 24C' 83.05 < 85D6≠ ==75D49B"@' 20' < 57.0' .7' 24C' "0.G .056' 3A""' 73' : 5730660D' 8330=.479 ' D0=04?0D ; @' < 24=2' &8""A6' 60.' 7A.' .7' C00.' 246' 99="0' 8.' 4"89* 1 ' .' 0.7?47' M 0..89N' 49' 89A7948 ' 27 < 0?05 ' 20' < 86' 85506.0D ' 89D' 609.' .7' 7"8 ' 49' 6.548≠ &8 A6'

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.2050' A9D05 < 09.' 8' 675.' 73' .548"' 375' .20' =54C06' 20' 28D' =7CC4..0D ' 89D' < 86' =79?4=.0D' 73' .20C' 8""≠ 46' ADB06 ' 83.05' 50=04?49B' 75D056' 357C' 796.89G .496 ' =79D0C90D' 24C' .7' D08.2 ' 89D' 28?49B' ; 009' =79DA=.0D' .7' .20' : "8=0' 73' 010=A.479 ' < 4.2' 246' 289D6' .40D' ; 0249D' 24C ' "4F0' 8' =A" : 54.' 73' .20' "7 < 06.' ="866 ' 20' < 86' ; 0208D0D ' 8.' .20' ="760' 73' .20' @085' H [' < 209' 20' < 86' 49' 246' 60=79D' =79G 6A"8.0≠ 0' < 86' .209' 79"@' >a' @0856' 7"D ' 89D' 28D' 504B90D ' 86' .0685 ' ; A.' .2500' @0856' 89D' 04B2.' C79.26* 1 76.' 73' .2760' < 27' 28D' : 85.4=4 : 8.0D' 49' 246' =54C06' < 050' D77C0D' ; @' 796.89.496' .7' 62850' .20' 68C0' 38.0' < 4.2' 24C*

& ' 73' ' & *

9' 246' =7496 ' < 24=2' 850' 8 ' ?05@' 5850 ' 49' 08=2' C0.8" ' 01=0 : .' 60=79D' 89D' .245D' ; 5866 ' 20' 46' 6.@"0D' +5 ' *1 *' "*' ' *

*EEEEEE ≠ ' ≠ *EEEEEE *

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*EEEEEE& # ' + # *EEEEEE # ' + #E

*1 M> ' 3589=6' 08=2*N

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!0 * 1 #*! "!#! ' ! J ! ' 20 60685' 6.89D6' ; 0. < 009' .< 7' C 4.85@' 0964B96 ' .7' 790' 73' < 24=2' 20' 01.09D6' 246' "03.' 289D ' < 24"6.' 20' 27"D6' 8' 6=0 : .50' 75' ; 8.79' 49' 246' 54B2.* 1 1) 1 %0 ' ! 0 ' ≠ ≠ 48D0C0D' 208D' 73' &8 A6*1 9B58?0D' 49' : 50=0D49B' : 8B0 ' 357C' 8' 3490"@' : 50605?0D' 6 ?05 6 : 0=4C09' 49' .20' 54.462' A60AC*

* ' OO! / &0 *! ' * *

1 # ' # *1 # ' & # ' M 479G 90.' ' 35≠ 08=2N* 1 ! * ' / !$ ' .' # ≠ M ' 35≠ 08=2N*

! * ' * / 41' 754WW' E' # ≠ 4.85@' 34B4A=' : 405=06' < 4.2' 246' 6 : 085' 8' : 576.58.0' 27560' 89D' 4.6' 54D05* 1 1) * 1 ≠ ≠ ' ≠ ≠ 48D0C0D' 208D' 73' 796.89.496' &8 A6 ' 86' 46' 6009' 49' .20' 8 ; 7?0' 09B58?49B*

' *' 6A598C0D' 8"54=4A6 ' < 86' ; 7C ' 8.' 8466A6 ' 49' ""@548 ' 246' 38C @' A9F97 < 9≠ 0' < 86' .20' 2A6 ; 89D' 73' .20' 646.05' 73' 79754A6 ' 89D' ≠ ≠ , , ' < 86' 8 : : 749.0D' ; @' .28.' 0C : 0575' .7' ; 0' .20' B09058"≠ 73' 246' 85C406≠ 9' > , ' 20' < 86' D0="850D' ABA6.A6 0' 89D' 8667=48.0D' 49' .20' B7?059C09.' 73' .20' < 06.059' 0C : 450≠ 0' D40D' .20' 68C0' @085' 8.' #8?0998 ' 28?49B' ; 7590' .20' .4."0' 73' ABA6.A6' 79"@' 60?09' C79.26≠ 20' =7496' 73' .246' "86.' 73' .20' 98C0' 6.89D' 49' .20' 24B206.' D0B500' 73' 5854.@≠ 9' .2060' 20' 46' 6.@"0D' ≠ ≠ ' : ≠ ≠ *1 20' 50?05606' 850' 86' 37 7 < ' ?4*/1

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; @' =.8?489A6 ' <27 <88 ' 49 .20 68C0 @085 , [' $ ' =796A" 375 .20 @0856 >, ' 89D >H* 1 ' ABA6.A6 C8D0 246 D8AB2.05L6 6796 ' 8496 89D A=4A6 ' =796A"6 0"0=. ' ; A.' 79 .20 =79D4.479 73 .2045 .8F49B 7334=0 49 34?0 @0856L .4C0 M600 :# >, ' 73 .246 D4=.47985@N* 1 057 <86 =796A" 0"0=.' 8.' .20 8B0 73 37A5.009 ' 49.09D49B .7 09.05 A : 79 .20 =796A"8.0 8.' . < 09 .@ ' <209=0 20 46 6.@"0D 79 246 =7496 =76# & *

9D .246 ' :50E8 : : 749.C09.' .20 0C : 05756 <050 97.' ; 8=F<85D 49 97.43@49B 79 =7496 89D 7.205 : A ; "4=' C79AC09.6 ' <209 .20@ 30" .' 8 D06450 .7 09577# .20C60"?06 86 =796A"6# (209=0 4.' 46 A6A8# .7 508D 79 .20C ' 8C79B6.' 7.205 496=54 : .4796 ' =76# # # 4444* 1 7C0.4C06 =796A"8.06 64C :"@' : 57C460D ' 75 D064B98.0D ' 600C .7 28?0 ; 009 =7937A9D0D ' <4.2 =796A"8.06 508""@ 8=SA450D 89D 20"D ' 75 8.' "086.' .20 <75D - FS ' 286 ; 009 7C4..0D# A.' 496.89=06 73 .246 675.' 850 ?05@ 5850 ' 89D 4.' <7A"D 0?09 8 : : 085 .28.' .20 B508.05 : 85.' 73 .20 C0D8"6 =4.0D 86 018C : "06 73 .20 =860 28?0 ; 009 49=7550=."@ 508D/ .20 05575 ; 049B D7A ; ."066 =8A60D ; @' .20 9AC ; 056 01 : 50660D 28?G 49B ' ; 009 0338=0D ; @' .20 "8 : 60 73 .4C0 75 ; @ 354=G .479# .' 46 27<0?05 .7 ; 0 50C85F0D .28. ' 8".27AB2 .20 0796A"8.6 0146.0D A9.4# .20 504B9 73 KA6.49489 ' <27 A94.0D .246 D4B94.@' .7 .20 4CG : 0548# =57<9 @0." "79B ; 03750 .28.' 0 : 7=28 89D 49D00D 357C .20 =7CC09=0C09.' 73 <28.' 46 =8""0D .20 "7<05 0C : 450 .20 0C : 05756 375 .20 C76.' : 85. ' 90B"0=.0D .7 C09.479 4.' 79 .2045 C790@ ' <2050 4.' 8 : : 0856 79"@ 8.' ?05@ <4D0 49.45?8"6*

* 1 s ' 4 o s! 1 @' .246 .05C ' <86 C089.' .2760 =796A"85 2797A56 <24=2 ' D0=500D .7 89@ 49D4?4DA8# ; @' .20 0C : 05756 ' <050 8 F49D 73 60C ; "89=0 73 .20 =796A"8.0# 479 8664A6 ' 49D00D ' .0""6 96 .28. ' 86 085"@ 86 .20 @085 73 7590 ' 9$ '=# , N ' 89D = 7960SA09."@ <24"6.' .20 =7CC79E<08".2 <86 6.4""49 0146.09=0 # 8527 ' .27AB2 86 @0.' 20 28D D46=285B0D 79"@ .20 .54 ; A90624 : ' 73 .20 : "0 ; 6 ' 50=04?0D .20 D46G .49=.479 73 .20 ' .? 46 97. ' 27<0?05 ' 6A334=409."@ A9D056.77D 49 <28.' .2060 2797A56 =7964G.0D# 2045 508# 754B49 46 D7A ; ."066 .7 ; 0 .58=0D .7 KA"4A6 60685 ' <27 <209 49 246 09D08?7A5 .7 ' =79305 30?7A56 79 8 9AC ; 05 73 : 056796 ' 20 37A9D 24C60"3 A98 ; "0 .7 B4?0 .7 8"" 04.205 .20 50BA"85 " % 75 .20 6A ; 6.4.A.0D # $$ % =796A"8.0 49?09.0D .246 34=.4.47A6 D46.49=.479# 0 8DC4..0D C89@ ' 68@6 479 49.7 .20 : 8.54=489 89D =796A"85 589F6# 9D A0.794A6 8"67 7 ; 605?06 ' T 20 ; 06.7<0D =796A"85 2797A56 79 .09 49D4?4DA8"6 <27 28D ; 009 50.756 " ' + %N1 (209 =.8G ?489A6 ' 83.05 .20 D08.26 73 .20 ' =796A"6 45.4A6 89D 8968 ' <86 84C49B 8.' .20 =796A"8.0 ' .20 098.0 ' A9<4""49B .7 ' =79305 67 24B2 8 : 76.' A : 79 8 C050 ; 7@ ' 90?05.20"066 D0=500D .7 24C ' 49 4.6 6.08D ' =796A"85 2797A56# 0?058# 496.89=06 49 <24=2 .246 D4B94.@ <86 8<85D0D 83.05<85D6 7==A5 89D .28.' .77 0?09 .7 37504B9056 ' 86 375 018C : "0 "8AD4A6 : 57=A50D 4.' 375 B54 3 : 8 ' .20 B589D679 73 057D .20 &508. ' .20 098.0 28?49B ; 03750 DA549B .20 504B9 73 8"4BA"8 ' D0=500D 24C ' : 50E .75489 2797A56*

.' 46 8 SA06.479 ' <20.205 .2760 ' <27 <050 .2A6 D46.49BA4620D ' 58460D .2050 ; @' .20 9AC ; 05 73 .2045 =796A"8.0 ' <209 .20@ 6A ; 60SA09."@ 09.050D 9 : 79 7334=0 49 .20 50BA"85 <8@# 479 90B8.4?06 .246 49 246 "430 73 =.8?489A6# 75 <209 .246 0C : 0575 5846. 86AC0D 357C .28.' : 0547D .7 246 6275."@ 83.05 .20 =796A"8.0 4.60"3 20 D4D 97. 8C ; 4.47A6"@ =8 4. ' 246 60=79D# 9D00D ' .20 8A.275 8 ; 7?0 SA7.0D ' 4CC0D48.0"@ 8DD6 .28.' .20 : 58=.4=0 <86 7 ; 605?0D 357C .28.' : 0547D .7 246 7<9 .4C06 ' 49 8""# 64C4"85 =8606 ' 89D .28.' 0?0E 5A6 <86 .20 3456.' .7 8".05 4. ' 4986CA=2 86 <209 20 28D 3456.' ; 06.7<0D .2060 2797A56 ' 89D 83.05G <85D6 .20 7334=0 73 =796A" 4.60"3 A : 79 "89.4E 8996 20?=7CC89D0D 24C .7 ; 0 :57="84C0D 86 =796A" " % 375 .20 60=79D .4C0 ' 89D .28.' .246 018C : "0 <86 37""7<0D ; @' 7.2056# 0?05G .20"066 20 <86 8?0560 .7 .246 5A"0 ; 049B 7 ; 605?0D 49 2487<9 =860*

1 / ! ' # ($! " ' $' ! &' 2 4 o 1 8?49B' 8664B90D 67C0 73 .20 5086796 <24=2 A6A8""@ 8=.A8.0D .20 0C : 05756 49 04.205 A9D05.8F49B 75 CA".4 : "@49B .2045 =796A"G 624 : 6 =F20# :57=00D6 .7 01 : "849 <4.2 B508.05 D46.49=.9066 .2045 ?8547A6 49DA=0C09.6 .7 86G 6AC0 .20 7334=0 49 67C0 : 85.4=A"85 @085 1 ' (4.27A.' D09@49B ' .28.' C89@ ; 549=06 <050 49 .20 28 ; 4.' 73 ; 049B 498ABA58.0D =796A"6 79 .20 3456.' =8"09D6 73 K89A85@ 83.05 .2045 8==066479 1 (209 58 89 <86 8?0560 .7 .246 : 58=.4=0 "49@ .2A6 01 : 50660D 24C60"3 1 T 7A 503A60D 8.' .20 =7CC09=0C09.' 73 @7A5 504B9 .20 =796A"8.0 <24=2 8""# 90<' 0CG : 05756 A60D .7 .5896305 .7 .20C60"?06 .27AB2 4.' <86 D06.490D 375 7.2056*U 0 57C .2060 ?05@ <75D6 73 "49@ .20503750 4.' 46 6A334=409."@ 0?4G D09. ' .28.' .20 =A6.7C <86 0?09 8.' .28.' .4C0 7 ; 605?0D ; @' .20 0C : 05756 89D 4.' 46 =79345C0D ; @' : 85.489 49 6 : 08F49B 73 *p"4A6 60685 1 T 0 <86 6779 =508.0D =796A" 89D 28?49B ; 009 D0G : A.0D .7 27"D .20 50496 73 B7?059C09.' 20 <86 6.@"0D =796A" 375 .20 60=79D .4C0*U 1 3.05 58G 89 97.' 8 30<' D0 : 85.0D 357C .20 : 58=.4=0# 20@ 28?0 ; 009 =7""0=.0D ; @' 8\\7"094 89D C8@ ; 0 6009 49 .20 ! ' .' CA6.' .20503750 ; 0 =79G ="AD0D ' .28.' .20 A6.7C <86 8 : : 57?0D 73 ; @' C89@' 73 .20 0C : 05756 ' ; A.' .28.' .20 5A"0D D4D 97. 27"D A94?0568""@*

.' 8"67 7==A550D .28.' .20 0C : 05756 866AC0D .20 =796A"8.0 79 8==7A9. 73 : A ; "4=' 67"0C94.406 73 ?8547A6 F49D6# A0.794A6 286 7 ; 605?0D 73 ABA6.A6 .28.' 20 <86 D06457A6 73 09.0549B A : 79 246 .245.009.2 89D "86.' =796A"8.0 49 75D05 .28.' 20 C4B2.' 49 .28.' 24B2 =8 : 8=4.@ 8..09D A : 79 246 6796 8496 89D A=4A6 <209 .20@ <050 49G .57DA=0D 49.7 .20 375AC ' 79 .20 7==86479 73 .2045 3456.' : A ; "4=' 8 : : 08589=0 " 3 %' 20 : 549=06 73 .20 "7<05 0C : 450 1 8.' "086.' .2760 <27 <050 =8""0D =796A"6 73 .20 86. 1 8==75D49B .7 20E C46.4A6 '8"<8@6 .77F B508.' : 8496 .7 : 50?09.' 7.205 49D4?4DA8"6 357C 27"D49B .246 7334=0 79 .20 50G =A5509=0 73 .20 SA49SA09948# 75 D0=09948" : 0G 547D ' <209 4.' B8?0 8 98C0 .7 .20 @085 1

;7557<0D' 357C' .20' 45=096489'B8C06'8AD'7.205'6:0=.8="06'.278B2'.2050'850'97.'<89.49B'6A;G 0=.6'D054?0D'357C'C@.;4=' 89D'20574=' .5C"4.479'<24"6.'67C0'850'8;6.5A60'75'8".7B0.205'A9496 .0""4B4;"0*

79.75948.0'C0D8"6':50609.'.;46':0=9"4854.@'.28.'.2050'46'6=85=0"@'0?05'89@'8::8509.'=79G 90I479';0.<009'.20'7;?0560'89D'.20'50?0560*1' 75'97'790'<4""'349D'4.'086@'.7''=79=4"0'.20' :75.584.'73' "0I89D05'.20'&508.'<4.2'8'50:50G 609.8.479'73'.20''7C89'45=A6'=@8'75'.20' #8:0'73'.20'8;4906 1 75'8B849'758=0':7"G "794A6'73'@898'75'8""A6.'<4.2'.20'=28547.0056 73'.20'=45=A6'<506."056'89D'C7A9.0;89F675' 057'<4.2'8A6.498'A9475'20'85;4.585@':549G =4:"0'79'<24=2'.20'7;?05606'89D'50?05606'850' 7490D'<4""'8::085'.20'C750'6.54F49B"@'<209'4.' 46'7;605?0D'.28.'.20'68C0'.@:06'850':50609.0D' <4.2'D4330509.':75.584.6'2A6'<0'28?0'.20'38;"0' 73'=@8'=7990=.0D'<4.2'.20'208D6'73' "0I89G D05'.20'&508.'73' 057'73'58 89'89D'73'#7C8' @;0"0'89D'205'.@6'49'=7C:89@'<4.2'.20'208D' 73' 7C05'73' 057'73' 06:86489'89D'7.' 58 89*1 7'27<'"4.."0':A5:760'.20'"08590D' 8?05=8C:'"8;7A50D'49'.20'09D08?7A5'.7'50=79E' 04"0'49'0?05@496.89=0'.20'7;?0560'89D'50?0560' 73'=79.75948.06'46'0"3085"@':57?0D'49'0?05@':8B0' 73'.20'C76.'"8;7547A6'8..0C:.'0?05'C8D0'.7'D0G 6=54;0'89D'4""A6.58.0' 79.75948.0' 7496*1 00' . ' ' ' F

20':75.584.6'<24=2'7==A:@'.20'7;?05606'850' .2760'73'C09'73'?8547A6'375.A906'589F6'89D' :5730664796';7.2'24B2'89D'"7<' A.'97'A9G D7A;.0D'50:50609.8.479'73'D04.@'286'0?05'@0.' ;009'D46=7?050D'79'.2060'=7496' 9'67C0'27<G 0?05'.2050'8::0856'.20'208D'<4.2'.20'"0B09D' 73' # ' 75' ' # ' +' '

20'C8 754.@'73'.20C':50609.'.20':75.584.6'73' #7C89'0C:05756'89D'350SA09."@'.28.'73' "0IG 89D05'.20'&508.'86'8"67'73'6A=2'=0"0;58.0D'49D4G ?4DA8"6'86'7C05'0509=0'758=0'89D'7.2056' 9D'"86."@'97.'8'30<'73'.20C'0I24;4.'8'34BA50' 27"D49B'8'<24:'49'.20'54B2.'289D'89D'<4.2'.20' "03.'"08D49B'8'27560';@'.20';54D"0';@'<24=2'.@:0' 67C0'6A::760'46'49.09D0D'.20'::75.584.'73'?8547A6' 0C:05756';A.'=F20"620<6'49'246'50C85F6'79' .20'=79.75948.0' '.28.'.20@'850'.20' 34BA506'73'=28547.0056*

20'37 7<49B'46'8' 6.'73'8""'.20'0C:05756' 89D' '<2760'98C06'89D'::75.584.6'850' 37A9D'79'=79.75948.06'8==75D49B'.7'.5A6.E<75.2@' 8A.2754.406'?4*/1 KA"4A6'60685'85F'9.79@' ABA6.A6'B54::498'609475'8"4B948'057' M<2760'=79.75948.06'850'=7CC79N'&8";8'06G :86489'7C4.489'58 89'M=7CC79N'9.7949A6' 4A6'8A6.498'609475'"A50"4A6'8A6.498' A9475'A=4""8'858=8 8'796.89.490'.20'&508.' 79754A6'207D764A6'"8=4D4A6 8"09.49489A6' 89D'9.20C4A6*

7'67C0'73'.20'0C:05756'97'=79.75948.06'<050' D0D4=8.0D'.7'7.2056'79"@'8'?05@'30<';A.'.7' 057'89D' 58 89'8'"85B0'9AC;05*1 =F20"'01G :506606'246'D0=4D0D'7:49479 9.28.'49'.2045'.7.8"' 90B"0=.';75'5850'49.57DA=.479'73'7.2056'.2760' <27'6.5A=F'.20C'<050'BA4D0D'67"0"@';@'=8:54=0' 89D'.28.'.20'68C0'=8A60'C8@';0'8664B90D'375' .2045'60"0=.479'73' 7C05' 758=0' =' .7' .20

0I="A6479'73'49D4?4DA8"6'73'0SA8"'5097<9'8C79B' ;7.2'&500F6'89D'#7C896*

*/ # "!%!"'26 #0 '%'4 *! ' 5# 1 8?05=8C:'49'246'0"8;758.0'6.89D85D' <75F'79'.246':0=A"485'="866'73'C0D8"6'286' B4?09'.20'208D6'73'0C:05756'89D'4""A6.547A6'49E' =;?4DA8"6I;A.'49'67'D749B'286';009'A9D05'.20' 90=0664.@'73'350SA09."@'50:08.49B'.20'68C0'50G ?05606'49'=7960SA09=0'73'.2045';049B'=7CC79' .7'60?058"':549=06"F20"M?444":>H'0.'60S%N :57:05"@'50B85D49B'.20'50?05606'86'73'B508.05' 49.0506.'.289'.20'4C:0548":75.584.6'8"508D@' 6A334=409."@'F97<9'357C'7.205'89D';0..05'67A5=06' 286'49'09AC058.49B'89D'D06=54;49B'.2060'=79E' .75948.06'=793490D'24C60"3':549=4:8@'.7'.20' 50?05606"46'85589B0C09.'86'C76.'.7'.20':A5G :760'286';009'8D7:.0D'49'.20'6A;7490D'97G .4=06"9D'86'.2060'.@:06'850'73'?8547A6'F49D6' .20@'<4';0'37A9D'85589B0D'8==75D49B'.7'=FE' 20"L6'="866434=8.479'A9D05'D46.49=.'208D6" 20',6.'0C;58=06'@.27"7B@'>9D'46.75@'H5D' "A6.547A6'056796'6A=2'86'205706'89D'20574906' F49B6'89D'C09'5097<90D'375'.2045"085949B' .2'':0=.8="06'6A;D4?4D0D'49.7' ' M75'2A9.49B6N':AB4"46.4=' 09=7A9.056' 89D'D58C8.4=' 0I24;4.4796*

20'D4330509.'<75F6'<24=2'=79.849' 73' 79.75948.0'.@:06'89D'.7'<24=2':84.4=9"85' 5030509=06'<4'49'08=2'496.89=0';0'37A9D'850'86' 37""7</1 ' ' ! ' 8 ' ' 89D' + ' 6 :' ' ' ' ') ' M 7496' 73'.20'C:0548"8;490.'8.'40998';@'570"4=2N' 8?05=8C:' ' ' ' ' ' ':' 0D5A64' ')' ' =' ! ':' 7496'73'.20'0CG ;57F0'7 0=.479'=*

G / 5 0 &!" 0 6 1 @;0F'89D'.@6'49'8'SA8D54B8'73"4796' B749B'8.'8'58:4D':8=0* 4'*1 '208D'73'7C05" M 9B58?0D'49'8;490.'73' 40998N* ' 208D'73' ABA6.A6" 7" 73' 057" M 7E' 50 " C::"N 1 7" 73' 06:86489'89D' 58 89*1' M 0D5A64' A6" 859060'89D'8?05=8C:N*1 9' 8'=749'73' 06:86489'8;7?0'.20'SA8D54B8'850'.<7' 6240"D6'79'790'73'<24=2'8::0856'8'"479'79'.20' 7.205'8'=58;'';0"7<'8'<7C89'608.0D'79'.20' B57A9D" M A6" 859060N*

++ ' ' ! ' EEEEE * " #4*1 '.0C:"0';03750'.20'09G .589=0'73'<24=2'46'608.0D' @;0"0';0.<009'.<7' #796'<4.2'.20' + '49'205'"03.'289D' 7A.64D0'6.89D6'.@6'<4.2'.20'+ '75'6;00:E' 277F'49'.20'54B2.'289D'89D'.7A=249B'8':490'.500' <4.2'.20'"03.*1 M 750" 2068A5" C::"7?"'444" "I4?" 7" ,>/" 8"67'49' C:0548"8;490.' 8.' 40998* - ' ' 1 (4.27A.'"0B09D" KA:4.05'64.G .49B'79'8'57=F'<4.2'89'08B"0'<8.=249B'9085' 24C''8'C4"4.85@'34BA50'6.89D6'="760'8.';89D 27"D49BE49'8'27560';@'.20';54D"0*EEEE M 750"'* C::"89D'49'8C" K4f4mN* 1 (4.27A.'"0B09D" 20'0C:0575' "8A508.0D'=A458660D'89D':8"AD8.0D'46'6.89D49B' <4.2';7.2'289D6'58460D';0.<009'.<7'608.0D' 34BA506 1 790'8'?04"0D'<7C89'27"D49B'8':8"C' ;589=2'49'205'"03.'289D 1 .20 7.205'8'C89'6058*E 9AD0'27"D49B'.20'286.8':A58'49'54B2.'89D'8

B"7;0 49 "03.' 289D 1 8.' .20 377.' 73 .20 0C :0575 6.89D6 89 08B"0 <4.2' 05:89D0D' <49B6' 89D' 8 6C8"" 34B950' 73 4=.75@' 7430549B' 8' "8A50" 057<9 .7' .20' 0C:0575*_' 0"7<' 850' .<7' 50=AC;09.' 30C8"06' 86 43' 54?05' D04.406' 790' 506.49B' 205' "03.' 289D' 79' 8' "479' 89D' .20' 7.205' 205' 54B2.' 289D' 79' 8' 624:L6 :57<' ;7.2' <4.2' =7CA=7:4334 M 750"" 2068A5 C:*N 1 ' 64C4"85' .@:0' 73 50?0560 8::0856 8"67' 79' 8' =79.75948.0' <4.2' .20' 98C0' 73 7C05' 89D' 246' :75.584.' 79' .20' 7;?0560' 49' 0E D5A64 86 859060' +$ '4*

7 *1 ' 98F0D' 8==2A6 6.89D6' 27"D49B 7A.' 8'="96.05' 73 B58:06' .7' 8' :89.205' 89D' <4.2' .20' .2@56A6 49' .20' "03.' 289D' 857A9D' 24C' 850 D89=49B' 8' 30C8"0' 3"A.0E:"8@05' 89D' 897.205' 30C8"0' ;589D46249B' 8' .2@56A6' 8"67' 8' ;7@' <4.2' 8' 6200:E 277F' 89D' 897.205' <4.2' 8' ;589=2 M C:* 96*N 7 73 858=8""8 M C:* 96 89D' 8?05=8C:*N ; *1 8==2A6 54D49B' 49' 8' ;4B8' 73 :89.2056' <4.2' 8' 68.@5' B749B' ;03750' 24C' 89D' 8' 3"A.0E:"8@05 49' 8..09D89=0 M 9B58?0D' 49' 8?05=8C:' 89D' 49' 750""N 1 8C0' .@:0' 73' 50?0560' <4.2' 208D' 73 58 89 M 9' 8?05=8C:' 9 > ' 89D' N* ; *1 ' 98F0D' 856' <4.2' 246' "03.' 377.' 79' .20' :57<' 73' 8' 624:' 46' 2A55@49B' 79<85D' <4.2' 6:085' 89D' 6=8"49B' "8DD05*

+ *1 8C0' .@:0 M 9' 750""* C::*N + EEEEE "856' <8"F49B' <4.2' 6:085' 49 54B2.' 289D' 89D' .57:2@' 49' "03.' .58C:"49B' 79' 8' :576.58.0' 370 M 96 20A:7"4N*

; *1 4898' 64..49B' 7::764.0' .20' 6"00:49B' 9D@58479' ;064D0' <27C' 8' D7B' 46' <8.=249B' <24"6.' 7?05208D' 8' A:4D' 46' 27?0549B M 0D5A64N* 7 *1 8C0' 50?0560 M 8?05=8C:N* 05=A"06' 34B2.49B' <4.2' .20' =09.8A5' =66A6* 05=A"06' 208D' 73' ;0249D' <24=2' 46' 8' ="A;* 05=A"06' 6.5ABB"49B' <4.2' 8' "479 M C:* A6*N

1 *1 + #* 08D' =7?050D' <4.2' "4791 6F49 03750' 4.' .20' A6A8" =79.75948.0' C797B58C' M600' 09B58?49B' :* > ,N*1 07*1 "@6606' 79' ;785D' 246' ?0660"' :86649B' ;03750' =@""8* 90' 73' .20' C76.' 6.54F49B' .27AB2' 97.' .20' C76.'5850' 8C79B6.' .20' ?8547A6' 6A;0=.6' 79' .246' ="866' 73' 89=409.' C0D8"6' 46' .28.' <24=2' 28?49B' .20' 208D' 73 "0189D05' .20' &508.' 75' .20' 208D' 73 58 89' 375' .20' .@:0' 73' 4.6' 7;?0560' 86 49D4=8.0D' ;@' .20' "0B09D' 01:506649B' 246' 98C0' 50:50609.6' 79' 4.6' 50?0560' <4.27A.' "0G B09D' .20' 38;"0' 73' =@""8*EEEE 246' 375C4D8;"0 608EC796.05' :0567943@49B' 8' D89B057A6' 57=F' 89D' <245":77" 79' .20' .8"489' 64D0' 73' .20' 6.584.6' 73 066498' 46' 2050' .@:4340D' 8.' .20' C7C09.' <209' 8==75D49B' .7' .20' 7C054=' 98558.479' 620' C8D0' 205' .58B4=8" 8668A".' 79' .20' 624:' 89D' =7C:894796' 73' .20' 679' 73' 805.06" 20' A:::05' :85.' 73' 205' ;7D@' 46' .28.' 73' 8' B4B89.4=' 30C8"0' 205' <846.' 46' B45D"0D' <4.2' 58?097A6' D7B6' .20' "7<05 01.50C4.@' .05C498.06' 49' 8' 3462L6' .84"" 9' 205' 54B2.' 289D' 620' 27"D6' 8' 5ADD05' <4.2' 205' "03.' 620' 286' 604\0D' ;@' .20' 2845' 73' 246' 208D' 790' 73' .20' =50<' 86' 43' 8;7A.' .7' D58B' 24C' 79.' 73' .20' ?0660"" C89' 6.89D49B' ="760' ;@' 85C0D' <4.2' 8' 6240"D' 89D' 8?0"49' 46' ?849"@' 8..0C:.49B' .7' D0G 309D' 246' A9375.A98.0' =7C58D0" .245D' 27"D6' A:' 246' 289D6' 86' 43' :858"@60D' <4.2' 3085' 89D' 275G 575' 8.' ;027"D49B' 6A=2' 8' 6:0=.8="0" 9' 790' 64D0' 73' =@""8' 46' 8' 29B0' 3462' <4.2' 208D' D7<9G <85D' 89D' .84"" ;578D"@' 6:508D' 89D' 050=.* <7' 2AC89' 34BA506' 850' 6009' 6.5ABB"49B' 49' .20' .57AG ;"0D' <8?06' .20' :50?47A6' ?4=.4C6' 73' .20' C79G 6.05L6' 50646."066' 8..8=F* 0249D' .20' <27"0' B57A:' 5460' 8' .500' 8""A64?0' :57;8;"@' .7' .20' 4CC0960' 34B' .500' <24=2' B50<' 7?05' 8' 57=F@' =8?059' <2050' 897.205' .58D4.47985@' C796.05' 98C0D' 285@;D46' <2760' <245":77"' 79' .20' 4="489' =786.' <86' 0SA8""@' .20' D508D' 73' 89=409.' C8549056' 20"D' 246' 75' 205' D85F' 8;7D0*1 00' F 3

^ 20' 68C0' .@:0' 46' 37A9D' 79' 50?05606' 73' =79E .75948.06' 73' <24=2' .20' 506:0=.4?0' 7;?05606' ;085' .20' 208D6' 73' "0189D05' .20' &508.' 49' .20' 40998' 8;490.' 89D' 8?05=8C:' 7* ' ' 73' 057' 49' 750 * C::*' 89D' 73' 58 89' 49' .20' C:* AG 60AC' 89D' 8?05=8C:' 89D' A60AC' 859060*Q 0 057:279' 79' 0B86A6' 34B2.49B' <4.2' .20' 24586058*1 1) 1 08D' 73' "0189D05' .20' &508.* 1 00' # ' 49' .246' D4=.47985@* 7 1 C:2479' 89D' n0.2A6' =855@49B' 733 .2045' 6.0:C7.205' 45==' .40D' .7' 8';A * M A6* 7C* 4.\84N* ' *1 20' A9' <4.2' 246E38=0' .A590D' .7<85D6' @79' 49' 8' SA8D54B8*1 1) 1 08D' 73' "0189D05' .20' &508.* M 8?05=8C:' :* H N* 8 *1 #! !! ' 8""86' 6.89D49B' <4.2' ;589=2' 73' "8A50" 75' 7"4?0' 49' .20' 54B2.' 289D*1' M 894A4' A::"0C09.' .7' 89DA54N

U / ! *!" 0 =F20" 50C85F6' .28.' 20' 286' D46=7?050D' 79"@' 790' 018C:"0' 73' .246' ="866' ?4*/1 * 20' #7C89' 67"D4056' 09B8B0D' 49' .20' 58:0' 73' .20' 8;490' <7C09' ;0249D' .2500' 7;0"46F6' =7C:7649B' 790' 73' .20' 45=096489' C0.p* 1) 1 08D' 73' "0189D05' .20' &508.* M "8?05E' =8C:' :* ,*N 1 7* 73' 057* M 750 * C::*N 1' 7* 73' 796.89.496' * M 89DA54' * 44* :* H ' A6* "7509.* $'-A 1 "67' 208D' 73' B54::498' 609475' <4.2' .20' "0B09D' & * !##! ' '#' ' #46' & 4* M A6* 549=0' D0' (8"D0=FN* I / 5# '* 0 ! &' ' 00 *! '(* ' * ' * ! ' ' ,! &

4 46'# !0! ' =24""=6' 85C0D' 584606' 357C' .20' B57A9D' .20' :576.58.0' 09.2064"08' ;0G 249D' 46' 8' 27560' 8"67' "@49B' 79' .20' B57A9D* 1 1) ' 08D' 73' 4?A6' 58 89* M 0D5A64' A6* 859*N * 49086' ;08449B' 9=24606' 79' 246' 627A"D05' 89D' "08D49B' 6=894A6' ;@'.;0' 289D* 1 Y 1) 1 08D' 73' 057* M 9' 750 * C::*N 1 7* 73' 58 89* M C:0548* 8;490.' 89D' 8?05=8C:' N

>'

.2760' 73' ABA6.A6' 89D' 73' "8=4D4A6 8"09.49489A6'z AD' @0.' <0' 600' .28.' .20' 68C0' .790' 89D' 6.@"0' :05?8D06' 8""' .20' 079.75948.06 1 8' =79?49=49B' :5773' .28.' .20' .4C06' 8.' <24=2' .20@' <050' 60?058""@' 6.5A=F' =7A"D' 97.' ;0' 385' D46.89.' 357C' 08=2' 7.205' 89D' <0' 850' .20503750' =05.849' .28.' .20' =7496' 208549B' : 75.584.6' 73' K4 76' 60685' 73' ABA6.A6' 8AD' .20' 4CC0D48.0"@' 6A==00D49B' :549=06' CA6.' 79' 8==7A9.' 73' .246' 64C4"854.@' .7' .20' =7496' 73' 79754A6' 89D' 8"=9.49489' ;0' =7990=.0D' <4.2' .20C' 8"67' 49' : 749.' 73' .4C0' 89D' =7960SA09."@' .28.' .20' 079.75948.06' 73' KA"4A6' 60685' 8AD' AG BA6.A6' 850' 97.' =79.0C : 758907A6' <4.2' .2760' 0C0 : 05756" 75' .20' 68C0' 508679' 89.4SA85406' 28?0' "79B' 8B7' 8B500D' .28.' =05.849' 4C : 0548"' =7496' 73' 7960=58.479' 357C' .2045' ;049B' ' 73' .20' 68C0' <75FC89624: ' 8AD' <4.2' .20' 68C0' 8DC4I.A50' 73' ;8D' 64"?05' <050' 8"67' 6.5A=F' 8.' .20' 68C0'0D8.0" 9' .246' 8==7A9.' 4.' 46' 90=06685@' .7' "8@' 4.' D7<9' 86' 8' 5A"0' .28.' 8"" 079.75948.06' 850' .7' 20' 8664B90D' .7' 89' 8B0' 6A;60SA09.' .7' .20' 0C : 05756' <2760' : 75.584.6' .20@' ;085" (0' 600' 79' .2060' =7496' C89@' 8..54 ; A.06' 8 : : 57 : 548.0D' .7' .20' 085"405' 0CG : 05756' <24=2' <050' 508""@' 04.205' A9F97<9' 75' 49' D46A60' 49' .2045' D8@6" 20' 208D' 73' KA"4A6' 80685' ' ' 46' 8D7590D' 97.' 79"@' <4.2' .20' "8A50" =57<9' ; A.' 8"67' <4.2' .20' D48D0C' <24=2' 375' <0""EF97<9' 5086796' D706' 97.' 8 : : 085' 79' 246' =79.0C : 758907A6' =7496*1 58 89' 79' 8' =749' 49' .20' C : 0548"' 8;490.' 8.' 40998' 46' 6.@"0D' 5' ! ' <24=2' .4."06' =79 7490D' <050' A9F97<9' ;03750' .20' .4C0' 73' 7CC7DA6" 9' 897.205' 49' .20' 68C0' =7"G "0=.479' 8 8A' 46' =8""0D' # ' 8' .4."0' 90?05 508D' 0I=0 : .' 79' =7496' 73' .20' "7<05 0C : 450" 7A;."066' .20' : 056798' <27' 6.5A=F' .2060' =7496' 8==7CC7D8.0D' .2045' 6.@"0' 89D' "0B09D6' .7' .20' .4C06' 49' <24=2' .20@' "4?0D*1 86."@' 0?09' .28.' A94SA0' =749' ; 08549B' 79' 4.6' 7 ; ?0560' .20' 208D' 73' 057' 89D' 79' 4.6' 96?0560' 8A6.498' A9475' 73' 4.60"3' 6A334=409."@' : 57?06' .28.' 4.' =7A"D' 97.' 28?0' ;009' 6.5A=F' DA549B' .20' 504B9' 73' 057*1 K7 ; 05.L6 7 : 49479' .28.' 079.75948.06' <050' 6.5A=F' 86' 085"@' 86' .20' 504B9' 73' &8 409A6' 286' ;009' 503A.0D' ;@' 246' 8997.8.75' 4C85D' 89D' 50SA4506' 97' 3A5.205' 97.4=0*1 20' 67A9D05' ?40<' 46' .28.' 73' 750" 89D' 82AD="' <27' :5797A9=0' .246' ="866' 73' C0D8"6' .7' 28?0' ;0BA9' .7' ;0' C49.0D' 8;7A.' .20' .4C0' 73' 796.89.490' .20' &508.' 89D' .7' 28?0' ;009' =79G .49A0D' A9D05' 246' 4CC0D48.0' 6A==066756' D7<9' .7' "8" 8"09.4948A' <209' =75.75948.06' 8"C76.' <27""@' =0860*U 1 KN" ' ' ?444" H, * *1 %' ' 56 ' %' 4 * ! / "" <54.056' 79' .246' ;589=2' 73' .20' 6A; 0=.' 8 : : 085' .7' 8B500' 49' =7964D0549B' .28.' 079.75948.06' <050' 73' .20' 98.A50' 89D' ?8"A0' 73' 3' 49' =79G 60SA09=0' 73' .2045' D4330549B' 67' 09.450"@' 357C' .20' 75D4985@' =7498B0" .' 46' 8"67' A94?0568""@' 8DG C4..0D' .28.' .20@' <050' 97.' 6.5A=F' ;@' : A ; "4= 8A.2754.@' ; A.' ; @' : 54?8.0' 49D4?4DA8"6' 8AD' .2760' 73' 89' A90DA=8.0D' ="866' 649=0' .20' .@ : 06' 850' B090G 58"" @' ;7557<0D' 357C' 2AC ; "0' "430' 7 ; 0=.6' .20' C76.' 49=79B5A7A6' :"8=0D' 49' AI.8E : 764.479' 89D' C46.8F06' =7CC4..0D' 49' 75.27B58 : 2@' <24=2' : 50G ="AD0' .20' 4930509=0' 73' .2045' : 57=00D49B' 357C' : A ; "4= 8A.2754.@* =F20"' 49375C6' A6' .28.' 49' .20' =8 ; 490.' ' .20' 549=0' 73' (8"D0=F' .2050' 46' 8' =79.75948.0 79' .20' 50?0560' 73' <24=2' 85=' .<7' 27560C09' " 0 7' B749B' 8.' 6 : 00D' 6 : 0856' 49' ; 89D' <4.2 * * 496=54 ; 0D' ; 0908.2* A.' 4.' 46' 97.' 357C' .2060' 494.48"6' 20' 7 ; 605?06' 375' 89@' 790' .7' 6A : : 760' .28.' .20' =749' 49' SA06.479' <86' C49.0D' ; @' 8' F ' ' ' ; A.' 58.205' .28.' 6A=2' .@ : 06' 73' .20' . ' <050' =7 : 40D' 357C' =7496' 73' 057' 0?09' .7' .20' 49605.479' 73' .20' "0..056" * * 86."@' <4.2' 506 : 0=.' .7' .20' 7 : 49479' 73' 60?058"' "08590D' <54.056' .28.' 079.75948.06' <050' 49.09D0D' 375' .20' : A5 : 7606' 73' .20' =45=A6' 89D' .20' 85098 1' 89' 7 : 49479' 37A9D0D' ;@' .20C' 79' .20' 38=.' .28.' 8.2"0.4=' 89D' 45=096489' 0105=4606' =796.4.A.0D' .20' A6A8"' 6A; 0=.6' 73' .2060' .@ : 06 1 =F20"' 50C85F6' 86' 37""7<6/1 T 66A5OD"@' I20' B8C06' 73' .20' =45=A6' 850' : 749.0D' 8.' 49' .20' 34BA506' 73' 6A==0663A"' =280' 547.0056' 49' .2045' SA8D54B8 ' 350SA09."@' <4.2' .2045' 98C06' 496=54 ; 0D' 75' .2045' ; A6.6 'éé<49949B' 275606 U' : AB4"46.6' 2086.E34B2.056' ' 89D' : 8"C6' 86' .20' : 54\06' 73' ?4=.75@" 064D06' <24=2' 6A=2' 375G CA"80' 86" " *1 " ' *1 E' # 4" 6*1 89D' .20' "4F0' 850' .20' ?05@' <75D6' 73' B77D' 7C09' 89D' 09=7A58B0C09.' <24=2' .20' 6 : 0=.8.756' A6OD' .7' 627A.' 7A.' .7' .2045' 38?7A5G 4.06' 357C' .20' ' 20' 38=.' C7507?05' 73' 057' 89D' 58 89' ;049B' C750' 350SA09."@' 49.57G DA=0D' 79' .2060' =7496' .289' 89@' 7.205' 0C : 05756' 46' 8' 68.4638=.75@' 0?4D09=0' .28.' .20@' <050' 6.5A=F' 375' 45=096489' : A5 : 7606" 7.' .28.' ' 8B500' <4.2' .20' 509=2C89' 82AD0"' 549=06' <050' 60"0=.0D' <27' <050' C76.' 8DD4=.0D' .7' .20' 6 : 75.6' 73' .20' =45=A6" 75' C76.' <54.056' 68@' .28.' .20' : 5030509=0' <86' B4?09' .7' 057' 79' 8==7A9.' 73' 246' <0 EF97<9' 4938.A8.479' 49' 8D75949B' ?4=G .7547A6' 89D' <759E7A.' 6.00D6' <4.2' .20' ' 89D' 8664B949B' .20C' 58.4796' <24"6.' DA549B' 246' 504B9' =28547.0056' 508=20D' 6A=2' 8' : 4.=2' 73' 8557B89=0' 86' .7' 7 : : 760' .20' 8A.2754.@' 73' =796A"6' 89D' : 50E' .756" 3' .246' 27<0?05' <050' .20' =7550=.' ?40<' <2@' M.7' 7C4.' C09.479' 73' 7.2056M' D4D' 97.' 7CG C7DA6' =7C0' 49' 375' 246' 62850' 73' 6A=2' 2797A5z' 75' 246' D0?7.479' .7' .20' =45=A6' <86' 97.' 8' <24.' 49.05475' =7964D0549B' .28.' 20' 24C60"3' D57?0' S98DE' 54B60' 89D' : A ; "4=" @' 6"0<' ; 086.6' 49' .20' 85098' 89D' @0.' (.' 790' =79.75948.0' 73' .246' 0C : 0575' 286' 0?05' ;009' D46=7?050D" 9D' 6 849' <2@' "78D' 58 89' <4.2' 6A=2' 9AC ; 056' 73' .2060' C0D8"6' <209' 97' 246.75489' 50=75D6' 73' .28.' 0C : 0575' 89@' ?47"09.' 8..8=2C09.' .7' .20' =45=096489' 6=0906' 3' 7C0' 7.205' 508679' .20503750' CA6.' ;0' 67AB2.' 375' .20' 350SA09.' 8 : : 08589=0' 73' 057' 89D' 58 89' 79' =7AE' .7C48.06' 8AD' .246' 46' .7' ;0' 37A9D' 49' .20' 38=.' .28.' .20' 375C05' 496.4.A.0D' .20' 0 0 ' ' ' 8.' #7C0' <24"6.' 49' 2797A5' 73' .20' "8..05' 83.05' 246' D0=0860' .2050' <050' =0"0' 58.0D' '# ' 75' .54AC : 28"' B8C06" DD' .7' .246' .28.' 58 89' 0I : 09D0D' ?86.' 6AC6' 79' .20' 0C ; 0 462E C09.' 89D' 09"85B0C09.' 73' .20' 45=A6' 814CA6" 20' D450=.756' .20503750' 73' 64C4"85' 6 : 0=.8="06' 49' 83.05' 8B06' <7A"D' 98.A58""@' 50?4?0' .20' C0G C75@' 73' .2760' 0C : 05756' C750' 350SA09."@' <27' 28D' 3A594620D' .20C' <4.2' 6A=2' 8 ; A9D89.' C8.0548" 375' ?4=.75@' 8AD' 4.6' 50<85D6" 28.' .20' C0C75@' 73' 057' 49' =7960SA09=0' 73' .246' 246' : 50D4"0=.479' <86' 97.' 79"@' =2054620D' 375' C89@' 6A==00D49B' =09.A5406' ;@' .20' ?7.85406' 73' .20' #7C89' =45=A6' ; A.' <86' 8"67' 284"0D' <4.2' B58.4.AD0' ;@' .20' 85098

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5A6A6' 60685' 8"4BA"8' B54: :498' 609475' "8AG D4A6' 7C4.489' 58 89' "7.4A8' 8D5489' 8E' ;4A8' 9.7949A6' 4A6' 8A6.498' 609475' ⁿ AG 50"4A6' ⁿ 05A6' A=4""8' 7CC7DA6' ⁿ 0?0E 5A' 7C98' 858=8""8' &0.8' "8A.4""8' 8=54E 9A6' "8B8;8"A6' &75D489A6' 4A6*

9'38=.' 97' =7"79@' 6.5A=F' C750' 4C:0548'ⁿ =7496' .289' 7549.2' 06:0=48""@' 357C' .20' =7CC09=0G C09.' 73' 0571G' 504B9ⁿ 209' 49D00D' .28.' :549=0' ?464.0D' 7549.2' 8.' .20' =0"0;58.479' 73' .20' 6.2C489' B8C06' .20' =4.4\096' 50=75D0D' 246' 8554?8'ⁿ 79' ?8547A6' =7496' 28?49B' 8"508D@' D0D4=8.0D' .2045' C790.8'ⁿ 3"8..05@' .7' 24C' <24"6.' 20' <86' @0.' ;A.' 8'@7A.2' DA549B' .20' "430E.4C0' 73' 246' 38.205' ;@' 8D7:.479' .20' C:0575' "8AD4A6ⁿ .' <4""' ;0' 50G C85F0D' 357C' .20' 3750B749B' "46.' .28.' 97' =7496' 73' .20' 7549.24896' <050' =7960=58.0D' .7' 04.205' 06:86489' 75' 4.A6ⁿ A.' .20' B508.' 9AC;05' 6.5A=F' A9D05' 7C4.489' 600C6' .7' 49D4=8.0' 8' 506.4G .A.479' 73' "4;05.406' 75' 8' 50C466479' 73' .818.479' ;@' .20' "86.' 98C0D' :549=0' .7' .246' =7"79@' <24=2' 4.' 28D' 97.' 09 7@0D' DA549B' .20' 504B96' 73' 246' 38.205' 89D' ;57.205ⁿ 20' =7496' C49.0D' 8.' 7549.2' <4.2' .20' 506:0=.4?0' 0..4B406' 73' 9.7949A6' 4A6 ⁿ A50"4A6' 89D' ⁿ 05A6' 850' ?05@' 9AC057A6' 89D' ?8540D' 49' .2045' .@:06' :85.4=A"85"@' .2760' 73' .20' "8..05' 0C:0575' <27" "49B050D' 8" "79B' .4C0' 49' .28.' 608.' 73' 8;89D790D' ?7"A:.A7A69066' 79' 246' <8@' .7' <8B0' <85' 8B8496.' .20' 85.24896ⁿ 05@' =7964D058;"0' 466A06' 357C' .20' ' =7"7948'ⁿ C49.' 73' 7549.2' .77F' :"8=0' A9D05' 7CC7DA6' 89D' 0:.4C4A6' 0?0596*1 00' 47990.' F +3 ' ⁿ 42"ⁿ 20' "0B09D6' 79' .20' =7"7948'ⁿ 4C:0548'ⁿ =7496' 73' 7549.2' 850' 86' 37""7<' ?4*/1 =ⁿ " *' ' ' ' 1 =ⁿ ⁿ 4ⁿ " *' 89D' " 0' 0 ' ! 0' 4 ' "- ' '- ' ' *1 " 0' ! 0' 1<' 4 ' ' ' - ' ' 1' .' 8"67' 49'3"8..05@' 73' 7C4.489' .77F' .20'6A598C0' 73' 246' 38C4"@/ " o E%o ' &' " *' ' ' ! ' ' $;' .2A6"08?49B' 7A.' .20' 98C0' 73' KA"4A6' <27' 37A9D0D' .20' =7"79@*1 20' "0B09D' 73' 8' =749' 6.5A=F' 8.' 7549.2' A9D05' .20' 68C0' 0C:0575' 46' " *'# * ' ! #' ' ' ! Y ' + 9 ;' 8""AD49B' .7' .20' :54?4"0BO' 73' =74A49B' C790@' =79=0D0D' ;@' .20' 0C:05756' .7' .246' 89D' 7.205' =7"79406*

20' 605406' 73' 7549.2489' C790@' ;7.2' 8A.7G 97C7A6' 89D' 4C:0548" ' 850' 0I.50C0"@' 49.0506.49B' 357C' .20' B508.' 9AC;05' 73' .@:06' <24=2' 50305' 04.205' .7' .20' 246.75@' 73' .2045' =4.@' 49' 4.6' 085"405' 8B06' 75' <24=2' 73305' ?40<6' 73' .0C:"06' 89D' 7.205' :A;"4=' 0D434=06* 1 20' 7549.24896' <050' B508.' "7?056' 73' .20' 38;A"7A6' 89D' <28.0?05' 8.G .8=20D' 4.60"3' .7' .2045' .58D4.4796' 89D' 8998"6' <20.205' .5A0' 75' 38"60 1 :57;8;"0' 75' 8;6A5D' :57G ?4D0D' 4.' 605?0D' .7' 8ABC09.' .2045' =0"0;54.@' <?86 8""AD0D' .7' 79' .2045' C79ACO9.6ⁿ 6' #7C89' =7"7946.6' ;A.' 49' .20' 605?4"0' 6:454.' 73' &500F' 8DA"8.479' .20@' 67C0.4C06' 50:50609.0D' .20' 0CG :05756' 49' .2045' C49.8B06' A9D05' .20' 375C' 89D' <4.2' .20' 8..54;A.06' 73' B7D6ⁿ 20@' <050' 8"67' 8==A6.7C0D' .7' 6.54F0' 79' .2045' C790@' .20' 98C06' 73' 790' 73' 75' ;7.2' .20' ' ;@' <27C' 86' 8' =7"79@' .20@' <050' B7?0590D*

C79B6.' .20' D4?494.406' <75624:40D' 89D' .7' <27C' .0C:"06' <050' D0D4=8.0D' 89D' =7496' C49.0D' <4.2' .2045' 4C8B06' 8.' 7549.2' <050' 6=A"8:4A6' >'

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89D' @B048' 8==2A6' 4898' 05=A"06'KA:4.05' 856' 05=A5@' 4905?8' 0:.A90' 89D' 09A6* 20' 8990I0D' <77DE=A.' 50:50609.6' .20' .@:0' 73' 8'60=79D' ;5866' <24=2' =F20ⁿ :"8=06' 8C79B' .20' ' 8A.797C06*

=7# ' *1 0""057:279' .8C49B' 0B86A6' ;03750' 790' 73' .20' B8.06' 73' 7549.2*

A;7490D' 46' 89' 8":28;0.4=8ⁿ 97.4=0' 73' 67C0' 73' .20' :549=4:8ⁿ .@:06' <24=2' 8::085' 79' .20' 50G ?05606' 73' .20' ' 4C:0548'ⁿ =7496' 73' .246'=7"79@/ ' <4.2' 8' .500' A:79' 4.*1 9' =7496' 73' ⁿ A50"4A6' 89D' ⁿ 05A6' .246' .@:0' 8::0856ⁿ .' 46' =7964D050D' ;@ 8.49' <4.2' <27C' 84""89.' 8B5006' .7' ;0' .20' 8".85' 73' 0"4=05.8' <2760' ;7D@' 8==75DG 49B' .7' .28.' C76.' 377"462' 89D' =793A60D' 73' &500F' C@.26' <86' 37A9D' 9085' 8' :490E.500' 89D' 89' 8".85' 050=.0D' .2050*1 00' .20' <75D'

EEEEE 20' 0C:0575' 8DD506649B' 246' 67"D4056' 86' 49' 057*

' <4.2' 6.8.A06' 79' 4.' 86' 49' ABA6.A6' .7' <2760' 2797A5' 86' ?4=.75' 8.' =.4AC' 8' .54AC:28'ⁿ 85=2' <86' 050=.0D' 8.' 7549.2*1 9B58?0D' 49' 84""89.L6' ' ' ?7"ⁿ 4* ' ' □' 1 246"0B09D' 50G 305549B' .7' .20' 8554?8'ⁿ 73' 057' 8.' 7549.2' 286' 375' 4.6' 8==7C:89@49B' .@:06' .20' .7B8.0D' 34BA50' 73' .20' 0C:0575' 89D' .20' :50.75489' B8""0@*

3' .246' 7A590@' C8D0' ;@' 057' 49.7' &500=0' 479' 8664A6' M"4;ⁿ H' :ⁿ ,aN' 7;605?06' .28.' 20' <09.' .24.205' T' 97.' 86' 246' <85"4F0' 89=06.756' 89D' :50D0=066756' M "8C494A6' ACC4A6' B54::8' 89D' ABA6.A6N' 28D' D790' 2A.' .28.' 20' C4B2.' D54?0' .20' =28547.' 649B' .7' 246' 7<9' :"8@49B' 79' .20' 285:' 34#' .20' 733#=0' 73' 2058"D' 8.' :A;"4=' B8C06' 89D' :05375C' 49' .58B0D406*U

* 9 + 1 246' 38?7A54.0' 2057' 73' .20' 7549.24896' 8:.0856' 79' .2045' =7496' 67C0.4C06' C7A9.0D' 79' .20' 27560' 0B86A6' 89D' 34B2.49B' .20' 24C6058' 86' 49' KA"4A6' 40685' 67C0.4C06' 79' 27560;8=F' <4.27A.' .20' 24C6058' 86' 49' 7C4.489' ⁿ 05A6' 89D' ⁿ 0?05A6ⁿ 20' 68C0' D06.57@05' 73' .20' .54:"0' C796.05' 8:.0856' 79' 377.' 27"D49B' 0B86A6';@' .20' ;54D"0' M600' .20' 8;7?0' =A.Nⁿ "" .206' .@:06' <050' 49.09D0D' .7' 49D4=8.0' .20' 50C7.0' 89.4SA4.@' 73' .20' =4.@*1 00:ⁿ ,>[' 89D' :ⁿ ,a' 73' .246' D4=.47985@1 600' 8"67' " ! ' 89D' .20 <75D' & *

' ' ' ' ' '.<7'@7A9B' :549=06' M:ⁿ >, N' <0' 98C0D' .7B0.205' 79' =7496' 73' ABA6.A6' 6.5A=F' 8.' #7C0' ;A.' .2045' :75.584.6' :"8=0D' 7::764.0' .7' 08=2' 7.205' 850' 37A9D' 79"@' 79' 8' 30<' =7"7948'ⁿ :40=06' 8C79B6.' <24=2' 850' .2760' 73' 7549.2ⁿ 9' .20' 7;?0560' 73' .2060' 46' .20' ;850' 208D' 73' ABA6.A6' <4.2' "0B09D' " *' " $! ' 1 9B58?0D' 49' 84""89.' ' 4* ' ' ' ' ' + 1 20' 79"@

:40=0' 6.5A=F' ;@'.20' 7C89' =7"79@' 73' 7549.2 ' <2402' ;0856' .20' =7CC79' =7"7948"' 6@C ;7"' 46' 8' 60=79D' ;5866' D0D4=8.0D' .7' ABA6.A6 ' <27' 50G 49375=0D ' <4.2' 246' D46 ; 89D0D' ?0.05896 ' .20' .77' 6=89.@' :7 : A"8.479' 754B498""@' :"89.0D' .2050' ;@ KA"4A6*

' ' $' # 3' M=75798' 0I' 8:47N ' <4.249' <2402' 46' .20' <75D' ' 86' 49' 057 ' 8""AD49B' .7' .20' 6.2C489' B8C06' M=05.8C498' 6.2C48=8N ' =0"0 ; 58.0D' 9085' 7549.2 ' 79' .20' 46.2CA6 ' 0?05@' 343.2' @085* 1 9B58?0D' 49' 84""89. ' 4"' :"' , , *

' K ' M600' :"' , a N*EEEEE 20' 7549.24896 6.5A7F' .246' 094BC8.4=8"' 7 ; 0=.' 79' .2045' =7496 ' 49' 50C0C ; 589=0' 73' .2045' =28C : 479' ="" 057 : 279 ' 86' 49' 7C4.489 ' "' A50"4A6 ' 89D' "' 05A6*

, + ' ' + ' 0 ' 89D' 79' 27560 ; 8=F ' 8 : : 085' 79' 3456.' 89D' 60=79D' ; 5866' 73' .246' =7"79@ ' D0D4=8.0D' .7' 7C4.489 ' 89D' "' 05A6* 9B58?0D' 49' 84""89. ' 4"' :"' > , *

4 ' $' ' ' 3' $' ' ' 9& ' " o' 4 A 1 246' 8 : 40856' A9D05' .20' 375C' 73' 8' 28""3E 98F0D' C89 ' 27"D49B' 8' : 8.058' 89D' =759A=7 : 48 ' 79' 8' 60=79D' ; 5866' 73' 057 ' <27' 49' .20' =2858=G .0546.4=' 6 : 454.' 73' 8DA"8.479' .7' .28.' .@589. ' 46' 0IG 24 ; 4.0D' ;@' .20' 7549.24896 ' A6.' 86' .20' 4 ' # + ' 6 ' <86' 4=A6.7C854"@' D0 : 4=.0D' 79' =7496' 73' 7C89' D40* 1 E 9B58?0D' 49' 84 89. ' 4* 0 0549 ' 49' = ' ?74"' 4"' :4"' I?4"' :"' > ' B4?06' 8' 7549.2489' =749' 73' B54 : : 498' "89D44 ' <24=2 ' <4.2' & " "' 375' 4.6' "0B09D ' 0I24 ; 4.6' 8' <7C89' 28 ; 4.0D' 49' .20' 6.7"8 ' 6.89D49B' <4.2' : 8.058' 8AD' =759907 : 460"' 2050' 46' 8' 64C4"85 D0D4=8.479' 73' 8' 60=79D' ; 5866' =749 ' ; @' .20' 7549.24896 ' .7' "' A50"4A6* 1 0D' .20' <75D' & ! 1 9' 8' 60=79D' ; 5866 ' ; 08549B' 79' 790' 64D0' .20' 208D' 89D' .4."06' 73' 0 : .' 0?05A6 ' 89D' 79' .20' 7.205' =" "' 4"' " $' 20' .@ : 0' 46' 8' <7C89' 6.89DG 49B ' <4.2' 790' 377.' 79' 8' 57=F ' 89D' .20' 7.205' 6A6G : 09D0D ' 205' 54B2.' 85C' 27"D6' 7A.' 89' 49389.'/ 8.' .20' ; 7..7C' 73' .20' 57=F' 46' 8' D7" : 249"' 246' <7G C89' 46' 97 ' D8AB2.05' 73' 8DCA6' 89D' 05C4790 ' <430' 73' .28C86 ' F49B' 73' 20 ; 06"' 20' <86' .20' C7.205' 73' 0"4=05.8 ' 89D' 50B85D0D' 86' 8' B7DD066 ; @' .20' &500F6* 1 9B58?0D' 49' 8 "89. ' b"' :"' a* 1 @ : 06' =7990=.0D' <4.2' .246' "0G B09D85@' T' 97.249BU' 8 ; 7A.' <24=2 ' .20' 7549G .24896' C8D0' 67' T' CA=2' 8D7 U' A : 79' .2045' =7496' 8AD' 7.205' C79AC09.6 ' 8 : : 0856' 79' 60=79D' ; 5866' D0D4=8.0D' ; @' .246' =7"79@' .7' 8 ; 498 ' 9.7949A6' 4A6 ' "' A50"4A6 ' "' 05A6 ' 7CC7DA6 ' 0 : .' 0?05A6 ' 89D' 858=8 8"

20' 679' 73' 97' 46' 50 : 50609.0D' A9D05' .20' 34BA50' 73' 8' 98F0D' 27@' 79' 8' D7" : 249 ' 67C0.4C06' 64..49B' 86.54D0' .20' 3462 ' 79' 7.205' 50?0560'6' 20' 6.89D6' A : 54B2.' 79' 4.6' ; 8=F ' ' 49' 8' .245D' .@ : 434=8.479' 20' "406' 6.50.=20D' 7A.' 8.' "09B.2 ' <4.2' 246' 38=0' D7<9G <85D6 ' 79' .20' D7" : 249' <24=2' 46' : "8=0D' 79' 8' .8 ; "0"' 9' 67C0' 73' .2060' .2050' 46' 8' .500' ; 0249D' .20' ; 7@' 89D' .20' D7" : 249"' 246' 8""AD06' .7' 8' : 490' .500 ' 9085' <24=2' <86' 37A9D' .20' D08D' ; 7D@' 73' 0"4=05.8 ' 49' C0C75@' 73' <27C' .20' ?4=.756' 8.' .20' 6.2C489' B8C06' <050' =5MN<90D' <4.2' : 490' "08?06*

9' 8' <0""' F97<9' 89D' 0"0B89.' =749' 73' 7549.2 ' 6.5A=F' 49' 2797A5' 73' "' A50"4A6' 89D' "' 05A6 ' .20' ; 7@' .20' D7" : 249 ' 89D' .20' : 490' .500 ' 850' 0IG 24 ; 4.0D' <4.249' 8' 57A9D' .0C : "0 ' 28?49B' 8' D7C0 C8D0' 73' 6=8"06 ' 8 A64?0' .7' .20' D4?490' 54.06' : 84D' .7' 0"4=05.8* 1 20' 68C0' } BA50' 73' 8' =24"D' 46' 79' 897.205' =749' 50=AC ; 09.' 79' 8' D7" : 249 ' 9085' 8' .500 ' 79' .20' 7 : : 764.0' 64D0' 73' <24=2' 46' F 3+ ' A9D05' .20' 34BA50' 73' 8' 98F0D' C89 ' 27"D49B' 49' 246' 54B2.' 289D' 8' ' 8AD' 49' 246' "03.' 8' : 8"C' ; 589=2"' 246' .@ : 0 ' <24=2' 8 : : 0856' 79' 8' =749' 73' "' A50"4A6 ' 46' 6A : : 760D' ; @' 84""89.' .7' 50305' .7' .20' 6.2C489' B8C06' 496.4.A.0D' 49' 2797A5' 73' 0"4G =05.8*

7 ' 46' 8' 350SA09.' .@ : 0' 79' .20' =7496' 73' .20' 7C89' =7"79@ ' 86' ; 049B' .20' .A.0"85@' D04.@' 73' .20' 7549.24896"' 0' 28D' 8' .0C : "0' 8.' 0=260AC" 9D' 79' =7496' 73' ABA6.A6 ' =.8?48' 0579 46 ' 89D' 9.7949A6' 4A6 ' 20' 46' .@ : 434 0D ' 27"D49B' .20' .54D09. ' 89D' D58<9' 49' 8' 620""E375C0D' 085' ; @' .<7' 608E275606* 1 9' 8' 3456.' ; 5866' 73' 7C4.489 ' .20' B7D' 8 : : 0856' 64..49B' 79' 8' 57=F ' 79' <24=2' 246' 54B2.' 289D' 506.6 ' 246' "03.' ; 049B' 0I.09D0D' .7<85D6 8' <7C89' <27' 6.89D6' ; 03750' 24C ' 27"D49B' 89' 49389.' 49' 205' 85C6* 1 ^ 246' 503056' .7' 97 ' .20' A928 : : @' <430' 73' .28C86 ' 4C : "7549B' .20' 86646.G 89=0' 73' 0 : .A90' .7' 68?0' 205' 90<"@' ; 7C' 679 ' 0"4=05.8' M49' ?4D' ' *N' 20' 57=F' 46' .28.' 73' 7"A546 ' 89D' .20' D7" : 249' 50=8"6' .7' 50G =7""0=.479' .40 ' 3462' 79' <24=2' .20' ; 7@' <86' =85540D" 1 00' .20' <75D' 4 * 9' =7496' 73' 7C4.489 ' 8D5489 ' 89D' "' A50"4A6 ' 0 : .A90' 64.6 ' 73' 6.89D6 ' <4.2' .54D09. ' 89D' D7" : 249' ' 79' 67C0' 246' "03.' 377.' 46' : "89.0D' 79' .20' :57<' 73' 8' ?0660"' 86' 49' 7CC7DA6 ' 79' 8' 60=79D' ; 5866' 73' <24=2' "86.E98C0D' 0C : 0575 ' .20' B7D' 73' .20' 08' 6.89D6' 27"D49B' 246' 54B2.' 289D' 7?05' 89' 8".85 ' 79' .20' 7.205' 64D0' 73' <24=2' 46' 8' .500* 1 9' 8' 3456.' ; 5866' D0D4=8.0D' .7' "' A50"4A6 ' .20' 7549.24896' 28?0' 34BA50D' 0 : .990 ' 6.89D49B' 49' 8' .54AC : 28"' =85 ' 8' .54D09.' 49' 246' 54B2.' 789D' 89' 4C8B0' 73' 4=.75@' 49' 246' "03.' 289D ' <24=2' 7 ; ?47A6"@' 503056' .7' .20' 2797A56' 73' .20' 54AC : 2' =7930550D' 79' .20' C : 0575' ; @' .20' 098.0' 8.' 7C0 ' 375' 67C0' 64B98"' 6A=0066' <2402' 20' 28D' A6.' B8490D ' 89D' 20' 46' 2050' D46 : "8@0D' 86' 0 : .990' 24C60"3* 1 20' 8 ; 7?0' 850' 09B58?0D' 49' 84""89.L6 7"7948"' <75F ' ?7"' 4"' : : "' , ' , ,* 1 0 0549' B4?06' 8' =749' 73' .246' =7"79@ ' D0D4=8.0D' .7' KA"48' 7C98 ' 79' <24=2' 46' 0 : .A90' <4.2' 246' 54B2.' 377.' : "8=0D' 79' .20' 208D' 73' 8' ; A ' 89D' 27"D49B' 49' 246' 54B2.' 289D' .20' + ' " ' ' 4"' :4"' I?444" 7" [' :"' > a*N 1) ?' 79' <24=2' 46' 8' 98F0D' 4C8B0 ' <4.2' 8' 6 : 085' 49' .20' "03.' 289D"' 9' 08=2' 64D0' 73' .20' 7 ; 0G "46F' 46' 89' OSA06.5489' 34BA50 ' 49' 8' C4"4.85@' D5066 ' 86' 43' B8 7 : 49B*

246' 8 : : 0856' 79' 8' =749' 73' 7549.2 ' D0D4=8.0D' .7' "' A50"4A6 ' 89D' <24=2' 84""89.' .249F6' <86' 49.09D0D' .7' 50 : 50609.' 6.8.A06' 58460D' 49' 2797A5' 73' ' A50"4A6' 8AD' "' 0586 ' .20' 7 ; 0"46F' 4.60""3" ; 0E

49B' 790' 79' < =2' <050' 496=54;0D' .2045' <85"4F0' 0I:"74.6' 506:0=.4?0"@' 8=240?0D' 8B8496.' .20' 85E' .24896' 89D' 7.205' 090C406' 73' #7C0*1 9B58?0D' 49' 84""89.' 4≠ , *

! ' .20' <49B0D' 27560' 73' :7""7' 46' 50E' ≠:50609.0D' 3"@49B' 79' 7549.2489' =7496' 73' AG BA6.A6' 8"4BA"8' 89D' 7C4.489' 20' 46' 34BA50D' 6.89D49B' 79' =7496' 73' ≠ A50"4A6' ≠ 05A6' 89D' 7C587DA6' 8"67' 79' .20'6ACC4.' 73'.20' =57E 7549E' .2A6' 49' 8' C0D8≠ 73' "8AD4A6≠ 75' 7.205' .@:06' 73' .246' 38;A"7A6' 894C8"' 49' 8667=48.479' <4.2' .20' .58D4.4796' 73' 7549.2' 600' <77DE=A.6' 49' .246' 85.4="0 1 600' 8"67' .20' <75D' # =

! 1 9' 8' .245D' ;5866' 73' 0:.≠ 0?0C6' 46' .20' 34BA50' 73' 8' @7A9B' <7C89' 64..49B' 79' 8' 57=F' 79' <24=2' 205' "03.' 289D' 506.6' <4.2' 205' 54B2.' 289D' 620' 6A:: 75.6' 8' ?860' 79' 205' F900* 1' 84""89.' M44≠ , N' 50B85D6' .246' .7' 50:50609.' .20' 9@C:2' ! ' <27' 49' =7960SA09=0' 73' 4898' 28?49B' 5862"@' 6"849' 205' 679' 46'684D' .7' 28?0' 620D' .0856' 67' 8;A9D89."@' .28.' 620' <86' =289B0D' 49.7' .20' 37A9.849' <24=2' ;0856' 205' 98C0' 89D' <24=2' 46' 64.A8.0' 9085' .20' =57E 7549.2A6*

9' 246' T'6 ' '0 0 ' = ' 4 0 0 ' = 2' .20' "8.0' ≠ 4""444B09' M:≠ N' 286' B4?09' .20' 37""7<49B' 60=79D';5866' 73' ≠ 05A6'

≠ ≠ ≠ # 6 &≠ 850' 208D' 73' .20' C:0575' 05A3'.7' .20'54B2.*

8 1=79≠' ' " ' <7C89' 608.0D' 27"DG 49B' 8' ?860' 79' 205' F9006' 8.' .20' 377.' 73' .20' =57E 7549.2A6' ;03750' 205' 6.89D6' 8' <49B0D' 27560' D549F49B*

246' .@:0' 86' .20' "08590D' 9AC46C8.46.' 8;7?0' 98C0D' 50C85F6' 286' 0?4D09.' 8""A6479' .7' .20' C@.2' 73' 0B86A6' =8:.A50D' <24"6.' SA09=249B' 246' .2456.' 8.' .20' 37A9.849' 73' 45090' ;@ 0""057:279' <4.2' .20' 84D' 73' 4905?8*?

! ' $' ' 1 9' 8' 60=79D';5866' 73'.246' =7"79@' 6.5A=F' A9D05' 9.7949A6' 4A6' <4.2' .20' "0B09D' =≠ o' ! ' " *' .20' 50?0560'.@:0' 0I24;4.6' 8' :75.' 73' 60C4E=45=A"85' 375C' 8.' 08=2' 0I.50C4.@' 73' <24=2' 46' 8' .0C:"0' 89D' 49' .20' =09.50' 73' .20' 285G ;7A5' 46' 8' 6.8.A0' 73' 0:.A90≠ 03750' 4.' 850' .2500' ?0660"6' 89D' .7' .20' "03.' 46' .20' .5A9F' 73' 8' .500*

≠ 4""49B09' 49' :A;"46249B' 89' 09B58?49B' 7849B' 8:.749.0D' .7' 85;4.58.0' ;0.<009' .20C' .246' :0528:6' A94SAO' =749' M89' 8==A58.0' =7:@' 73' <24=2' 8:.0856' 49' .20'54B2.E289D' =7"AC9' 7;605?06' .28.' T' .20' :75.' 2050' 50:50609.0D' CA6.' 8==75DG 49B' .7' .20' D06=54:.479' 73' 8A689486' ;0' .28.' 73' ' .6' 375C' <86' 60C4E=45=A"85' 89D' 8.' 08=2' 0I.50C4.@' <86' 8' .0C:"0' .28.' .7' .20'54B2.' <86' :57;8;"@' D0D4=8.0D' .7' K6=9"8:4A6' 89D' 646' .28.' 79' .20' 7::764.0' 64D0' .7' 09A6≠ '=7"7668" ;579\0'6.8.A0' 73' 0:.A90' <86' :"8=0D' 79' 8' 57=F' 75' 8' C8664?0' 37A9D8.479' 73' C86795@' 58460D' 49' .20' C4D6.' 73' .20' =A5509.≠ 20' .500' 79' .20' 64D0'

@A' @

≠ > H

73' .20' :75.' 46' D7A;."066' C089.' .7' 64B943@' .2' :490' 9085' <24=2' 46@:2A6' 37A9D' .20';7D@' 73' ="4=05.8' 89D' <2050' 2060A6' =7C:0""0D' 4946' .7' A9D05B7' .20' 68C0' 38.0' .7' <24=2' 20' 28D' 6A;G 0=.0D' .2760' <50.=20D' :07:"0' <27' 30""≠ 49.7' 246' 289D6≠ ".27AB2' .246' .500' <86' 9085' 57CC@09' 89D' 8.' 8' B508.' D46.89=0' 357C' 09=2508' @0.';@' 8' "4=0960' <24=2' 89=409.' 85.46.6' 73.09' 8""7<0D' .20CG 60"?06' 4.' 46' 50:50609.0D' ="760' .7' .246' :75.*U' 9' 897.205' 5850' 7549.2489' =749' .246' 68C0' .500' 46' 37A9D' .5896:75.0D' .7' .20' 377.' 73' .20' =57E 7549.2A6' :57;8;"@' 49.09D0D' .7' 49D4=8.0' .20' 6.2C489' B8C06' 8;7A.' <24=2' 6A=2' B508.' :8496' <050' .8F09' .7' =8A6D' .2045'350SA09.'50E=0"0;58.479≠ 20' 208D' 73' .20' C:0575' 9.79490' <24=2' 8:G :0856' 79' .20' 7;?0560' 73' .246' 50C85F8;"0' 6:0=4G C09' C8@' <85589.' .20' 4930509=0' .28.' .20' :75.' 73' 09=2508' A9D05<09.' =05.849' 50:858.4796' 89D' 0C;0""462C09.6' A9D05' .20' 75D056' 73' .28.' :549=0' 73' <24=2' 246.75@' 3A5946206' 97' 50=75D*1 00' 6 ' ' =≠ :≠ *

246' 89.4SAO' D0"4908.479' 73' .20' :75.' 73' 09G =2508' D054?06' 8DD4.4798≠ 49.0506.' 357C' .20' =45=ACG 6.89=0' 73' 4.6' "7=8≠ =7990=.479' <4.2' .20' 8:76.7"4=' "8;7A56' 73' .≠ 8A≠ 8.' 7549.2' 89D' 73' 4.6' 28?G 49B' ;009' .20' :"8=0' 73' 0C;85F8.479' 79' 246' ?7@G 8B0' .7' :206A6' 89D' .209=0' .7' 8E68508' 49' 246' <8@' .7' K05A68"0C≠ M =.6' =≠ I?444*N

4 1 9' 8' 6C8"≠ ;5866' 73' ≠ A50"4A6' <4.2' .20' "0B09D' 73' ' ' ' ' 8:G :0856' .20' 208D' 73' .20' A9' 7598C09.0D' <4.2' 58@6*1 '60=79D';5866' 73' 057' 0I24;4.6' .20' A9' A9D05' .20'34BCI0' 73' 8' @7A9B' C89' <4.2' 58D48.0D' 208D' 89D' <4.2' 8' <24:' 49' 246' 54B2.' 289D' D54?G 49B' 8' SA8D54B8' 8.' 3A"≠ 6 400D*1 7≠ 46' 8"67' 50:50G 609.0D' A9D05' .20' .@:0' 73' 8' C8"0' 34BCI0' ="7.20D' 49' 8' .A94=' 89D' =57<90D' <4.2' 58@6' 79' =7496' D0D4=8.0D';@' .246' =7"79@' .7' ≠ A50"4A6' 89D' ≠ 05A6*

:7""7' 49' SA8"4.@' 73' .20' B7D' 73' D8@' <86' 50G B85D0D' 901.' .7' 0:.A9A6' 86' .20' .A.0"85@' D04.@' 73' .20' 7549.24896≠ 75' 8==75D49B' .7' 8A689486' 0:.A9A6' 89D' 7≠ =7C:0.0D' <4.2' 08=2' 7.205' 375' .20' 734 =0' 73' :57.0=.75' .7' .2045'=4.@' 89D' 54850A6' 7849B' 8:.749.0D' .7' 85;4.58.0' ;0.<009' .20C' 8<85D0D' .20' 6.2CA6' .7' 0:.A90' 89D' .20' :57G C79.75@' <24=2' =7CC89D6' .20' =4.@' ?4\≠ .20' =57E' 7549.2A6' .7' .20' A9L6' 06:0=48≠ BA85D489624:≠ 9' .20' =860' 73' ≠ 05A6' 4.' :57;8;"@' 8667=48.06' 4.60"3' <4.2' .20' 6A==0663A≠ 50A6A".' 73' 246' 086.059' 0I:0D4.479' .20' 3"8..05@' 73' .20' =284896' 8:.57G :548.49B' .7' 4C:0548≠ :549=06' .20' 375C' 89D' 3862479' 73' .20' ?05@' B7D6' .20@' <75624:0D*1 2060' .@:06' 850' 09B58?0D' ;@ 84""89.' ' ' ' 4≠ ,a4"' 89D' 49' 8?05=8C:' ') ' ' ' ' 60=79D' ;5866' 6=5406*

98F0D' <4.2' 286.8' 49' .20' 54B2. ' 89D' 8557<6' 75' .20' 3A"C09' 49' .20' "03.' 289D ' 6.89D6' ;0.<009' .<7' ="7.20D' 30C8"0' 34BA506 ' 790' 73' .20C' B8"08.0D ' 89D' <27' 27"D6' 8' =57<9' 7?05' .20' =09.58"' 34BA50#' 9' .20' 0105BA0' 3

20' 208D' 79' .20' 7 ;?0560' 73' .246' D09854A6' 286' !8"" .20' 8: :08589=0' 73' ;049B' 8' : 75.584.*' 46=79.4 89D' 75B2064' 8B500' 49' 8..54 ; A.49B' 4.' .7' .20' 3456.' =4:47' 354=89A6' 86' 6.5A=F' ;@' .20'05' 90A6' 7590"4A6' "8647' 49' 2797A5' 89D' :58460' 73' 246' 7<9' 38C4"@*' .6' "4F09066' .7' .20' ; A6.' 73' .28.' B508.' C89' :50605?0D' 49' .20' =8:4.7"' 600C6' .7' <85589.' .20' 6A: : 764.479*

=F20"' M?*' :*' , N' .508.6' .20' 50?0560' 73' .246' =749' 86' 50 : 50609.49B' 479@6A6' M 8==2A6N' <4.2' 8""86' 79' 246' "03.' 289D ' 49' .20' 8=.' 73' =57<949B' 24C ' .20' 7.205' 30C8"0' 34B950' 20' "08?06' A94D09G .4340D* 1 00' 246' 50C85F6' 79' .20' B57A:' 86' SA7.0D' 49' :*,> ' 73' .246' D4=.47985@* 1 K"47990.' B4?06' 8' 64C4"85' DO6=54: .479' 73' .20' 50?0560 ' ?4*/1 T' 8=G =2A6' D0 ; 7A.' 09.50' 8""86' 0.' A90' 30CC0*U

#4==47' 79' .20' 7.205' 289D ' :5797A9=06' .20' .2500' 34BA506' .7' ;0' T' K7?0' 6.89D49B' <4.2' ' 89D' $ ' KA97' 79' 246' 54B2. ' 89D' 8""86' 79' 246' "03.' 289D U' 8DD49B' .28.' 2' .20' .@ : 0' 46' =7960E' =58.0M 7' .20' .2500' : 549=4 : 8*' DO4.406' 73' : 8B8946C ' .7' <49=2' .20' #7C896' :84D' .20' 24B206.' <7562 4 : ' 89D' <24=2' <050' .20' 7; 0=.6' 73' : 0=A"485' 8D758G .479' 49' .20' 49.05475' 50=066' 73' .20' 8:4.7"490' .0CG :"0' <2050' =4:47' :84D' 246' DO?7.4796' M38=09D764 6A : : 7550' 34B"47' D4' &47?0N' 8330=.49B' .7' ;0' .20' 679' 73' KA : 4.05*

>*' 4 ?6' # ' *' ' ="A;*1 _ *1 08D' 73' =.8?489*' =*' ¤ _ 49*' _ $' # ' ¤ % _ 9B58?0D' 49' 750""*' ! * ' 7590"48*

246' =749' ;0"79B6' .7' _ A=4A6' 8";96' : 57?49G =48"' : 57E : 50.75' 49' ,>' _ _ >N' 89D' 83.05<85D6' =796A"' 8".27AB2' 73' : 89462' 754B49*' 0' <86' 790' 73' .20' 085"@' 8D2 09.6' 73' =.8?48996' <2760' 208D' 20' 286' 6.8C : 0D' 79' .246' =749' 89D' .20' ="A;' 79' .20' 50?0560' C8@' : 0528 : 6' 50305' .7' .20' <75624 : ' 73' 05=A"06' ;@ .20' &8D4.894' M : 07 : "0' 73' 8D4\N' 73' <27C' 20' <86' 8' 30""7<' =7A9.5@C89* 1 #4==47' :*' ' <27' B4?06' 89' 09B58?49B* 1 00' 8"67' 750""* H*' ,*' ' *' # *1 00' !

' =766?6' = '' *' *1 9' 0SA06.5489' 6.8.A0' 27"D6' 79' 246' "03.' 627A"D05' 8' .57 : 2@' 89D' 286' 375' : 0D06.8*' .20' :57<' 73' 8' 624 : * 1' 1) ' & ?8 4?4*' *' 8A508.0D' 208D' 73' ABA6.A6* ' 5850' D09854A6' 357C' .20' 754B498"' C49.8B0' A9D05' ABA6.A6' ; A.' 73' .20' 24B206.' 5854.@' 86' 506.750D' ;@' 58 89* 1 9B58?0D' 49' 8@"A6' 89D' 49' 750"*

*' & ' (! ' *' ' *1e' 08D' 73' B54: : 8' <4.2' .20' CA58"' 89D' 576.58.0D' =57<9* 1 1) 1 _ ¤ _ _ 8A508.0D' 208D' 73' ABA6.A6*

246' 46' 73' B508.' 5854.@' 86' =79.0C : 758907A6' <4.2' .20' C49.8B06' 73' ABA6.A6' ; A.' .20' 506.4G .A.479' ;@ 58 89' 06 : 0=48""@' 49' B7"D' 46' 5850' 49' .20' 24B206.' D0B500* 1 00' 89' 09B58?49B' 357C' 8' <0"" : 50605?0D' 6 : 0=4C09' 73' .246' =749' A9D05' .20' 208D' 73' # ' 0.' # *

20' 8;7?0' .<7' =7496' <050' 6.5A=F' ;@' 90A6' 7590"4A6' 09.A"A6' =8""0D' 766A6' 790' 73' .20' C790@056' 73' ABA6.A6' 679' 73' .20' =796A"' 73' .20

68C0' 98C0' 89D' =796A"' 24C60"3' 49' [H' 9 ' "' ' ,N*' 20@' <050' ; 7.2' C49.0D' 8; 7A.' .20' @085' H,' 9$' "' ' >HN' =05.849"@' 97.' ;0@79D' >' 9$' "' ' ,>N' 49' <24=2' @085' B54: : 8' D40D* 1 #4==47' *

9' .20' 375C05' 73' .20' .<_' C76.' : 57 ; 8 ; "@' 46' 50 : 50609.0D' .20' 6.8.A0' 73' ABA6.A6' 050=.0D' 79' .20' 7==86479' 73' 246' ?4=.75@' 8.' =.4AC' .7' <24=2' .20' 624 : 16' : 57<' 503056' .28.' 8D7596' .20' ; 860' 73' .20' 6.8.A0'

9' .20' 60=79D' 50?0560' 46' .20' 208D' 73' B54: : 8' B09058"' 89D' 83.05<85D6' 679E49E"8<' 73' ABA6G .A6' <27' B508."@' =79.54 ; A.0D' ;@' 246' =7A960"6' 89D' ;@' 246' C4"4.85@' ?8"7A5' .7' 8D?89=0' .20' 375.A906' 89D' .7' 0C ; 0 462' .20' "430' 73' .20' 3456.' #7C89' 0C : 0575*' M 00' :' > ' 73' .246' D4=.47985@*"N 1 20' 576.58"' =57<9' <86' 8<85D0D' .7' ?4=.756' 49' 98?8"' 09B8B0C09.6' 89D' .28.' <24=2' 46' 6009' 79' .20' 208D' 73' B54: : 8' 46' 503058 ; "0' .7' .20' 8 ; 7?0E' C09.4790D' ; 8.."0' 73' =.4AC' B8490D' ; @' 24C' <24"6.' 49' =7CC89D' 73' =.8?4891G 3"00.' 8B8496.' .28.' 73' 85F' 9.79@' 89D' "07 : 8.58*

[*' 6*' □' 0C8"0' 208D' <4.2' 8' 20"C0.' .05C498.0D' <4.2' .20' 208D' 73' 8' B54339* 1 6 *1' ' ' 75' ' " ¾' 98F0D' C89' <4.2' 25@B489' ;7990.' 54D49B' 79' 8' B78.' 8.' 3A""* 6 : 00D*' 0"7<' * ' 8""* <4.249' 8' =57<9' 73' 4?@*' 1 8"A0D' ;@' 47990.' 8.' > ' 35* 1 9B58?0D' 49' 750""*' ! ' 6 ' 7590"48*

9' .20' C49.8B06' 73' .20' 79.048' 38C4"@' =F20"' 50=7B94606' .20' B094A6' 73' : 7""7' 0 7?46' 54D49B' 79' .20' B78.' <24=2' <86' 20"D' 68=50D' .7' 24C* 1' @' .20' 68C0' 5A"0' 8?0D794' 46' D46 : 760D' .7' ?40<' 49' .20' 8 ; 7?0' 50?0560' .20' B094A6' 73' KA97' 89AE' ?498' 89D' .7' 6A : : 760' .28.' 4.' 8 9D06' .7' 8' : 8668B0' 49' .20' "430' 73' 8496' 7590"4A6' 0.20BA6' =796A"' 49' [[' 9$' "' ' ,a N' <27' 8.' 8' ; 8.."0' <4.2' .20') ' M : 07 : "0' 73' 7C ; 85D@N' C8D0' .20' ?7<' 73' 8' .0C : "0' .7' .20' B7DD066' 89D' .28.' .20' B78.' 89D' 4?@' =57<9' 503056' .7' .20' =7B97C09' 73' ' ' <24=2' 49' .20' &500F' "89BA8B0' =75506 : 79D6' <4.2' D09854A6' 73' ="8664=' 5854.@' =8554O6' 4.' .7' .20' "8.06.' 8B0' 73' .20' 50 : A ; "4=* 1 #4==47' :*' H*

*' *6=4 : *' KA : 4.05' 49' 8' SA8D54B8' 8.' 3A"" 6 : 00D' 27"D49B' 8' 6=0 : .50' 89D' .20' 50496' 49' 246' 54B2.' 289D* 1 1) * 1 08D' 73' KA : 4.05' 8 : 4.7"49A6*

246' D09854A6' =F20"' 8B50049B' <4.2' : 50=0D' 49B' 9AC46C8.46.6' =7964D056' .7' 28?0' ;009' =7490D' 49' 5030509=0' .7' A=4A6' 7590"4A6' =4 : 47' =796A"' 49' .20' @085' 73' #7C0' [' 9$' "' ' ,a N' .7' <27C' .20' : 07 : "0' .209' 89D' 97.' ; 03750' D0=500D' .20' B7?059G C09.' 73' &500=0' 89D' .20' =855@49B' 79' 73' .20' <85' <4.2' 9.47=2A6' .20' &508.*' 0' <86' .20' 0"D06.' ; 57.205' 73' A ; "4A6' =4 : 47*' 9D' 86' A ; "4A6' =4 : 47' .77F' .20' 98C0' 73' $ ' 375' 246' =79SA06.6' 49' 4=8' 67' A=4A6' =4 : 47' 28?49B' 6A ; DA0D' .20' @5489' C7985=2' 89D' 506.750D' : 08=0' 49' 648' 50G =04?0D' .20' 98C0' 73' ' 75'

9$ ' " ' N ' 20' B8490D' 05' 5=20"8446 ' .20' BO9058" 73' 4.254D8.06 ' 79' 7A9.' 2A54A6 ' 89D' 49' .20' 340"D' 73' 2057908 ' 79' <24=2' 8==7A9.' .<7' .57G :2406' <050' 050=.0D" 9D' 375' .246' .<737"D' C08G 6A50' 73' 6A==066' 20' <86' =8""0D' T ' E' # ' M&09058" 49' 2403' 375' .20' 60=79D' .4C0N* 1 ' ==75D49B' .7' A94?0568" 8DC466479 ' .246' =749 ' 49' B7"D' 89D' 64"?05 ' <86' 6.5A=F' 49' A 8L6 "430E.4C0" "40' 8 ' 89D' ' 6A50' 64B96' 73' .20' 8ABA58" 7.44=0 ' 620<' A""8' .7' 28?0' ;009' ABA5 ' 86' <86' 8"67' 8A6.A6' 246' 679* 1 : :489' 83345C6' .28.' .20' 375C05' <86' 8"67' 49?06.0D' <4.2' .20' 5406.277D* 1 ' 00' . ' ?7"' ?" :" , a * , [" " " ". %4 j W4375" 08D' 73' 8"G "86 ' <4.2' <49B0D' 20"C0.* 1 6 1 " 6?4" ' ! #' A""8' 49' 8' .54AC : 28'" SA8D54B8 ' 8' 3"@49B' 4=.75@' 27"D49B' 7A.' 8' =57<9' 7?05' 24C* ' 24B2"@E : 50605?0D' 6 : 0=4C09' 73' .246' ?05@' 5850' =749 ' 49' B7"D ' ;57AB2.' >>' , 6" 8.' .20' 27C86' 68"0 ' 89D' 8' 67C0<28.' "066' : 0530=.' 6 : 0=4C09' 73' .20' 68C0' 7 ; .8490D' , [' , 6" 8.' .20' 0C ; 57F0' 68"0* 246' .@ : 0' 73' 50?0560' 600C6' .7' 628D7<' 375.2' 790' 75' C750' 73' .20' 64B98" .54AC : 26' <24=2' .20' 4=.8.75' 8=240?0D ' 89D' 09 7@0D' .20' 2797A56' 73' 7?05' 4.254D8.06 ' ' 49B' 73' 79.A6* 1 75' 89' 09G B58?49B' 73' .246' D09854A6' 600' .20' <75D' A=4A6' 89"4A6 ' <27' =8A60D' .20' 8 ; 7?0' =749' .7' ; 0' C49.0D ' <86' : 57ESA06.75' 49' H' 9$ ' " ' , N" 0' <86' 8""40D' .7' .20' 38C4"@' 73' .20' 0 ' 8==75D49B' .7' 8?0D794* , " 20' 208D' 73' 8""86' 20"C0.0D ' 79' <24=2' 8' 6C8"" 34BA50' 73' 4=.75@' ; 0249D' 46' : "8=49B' 8' B85"89D* 1 6 1 A""8' 49' C4"4.85@' D5066 ' 6.89DG 49B' <4.2' : 858\794AC' 49' 246' "03.' 289D ' 7496' 246' 54B2.' .7' .28.' 73' 897.205' C4"4.85@' 34BA50 ' <27' 27"D6' 8' 6275.' 8?0"49" 0249D' 46' 8' 624 : ' <209=0' A""8' 8 : : 0856' .7' 28?0' D460C ; 85F0D* 1 00' .246' 0I.50C0"@' 5850' =749' 09B58?0D' A9D05' .20' 208D' 73' * , " ' =76" 085D"066' 208D' 73' 8' C89* 1 ' 6 1 %" " 4" ?: 76' =76" 97.205' ; 850' 89D' ; 085D"066' 208D* 1 00' .20' <75D' 0 0 , " ' =76" M " : 7 4" " ' =AC"0' =2845 ' ; 0.<009' 8' "4.AA6' 89D' 8' =57<9* 1 6 1 S" " %" :" ' =76" ' =A5A"0' =2845 ' ; 0G .<009' 89' 8557<' 89D' 8' ; 589=2' 73' "8A50"* #A3A6 ' 679' 73' %A49.A6 ' .28.' 46' .7' 68@ ' 8' 90 : 20<' D06=09D89.' 73' .20' =796A" ' 89D' C8.0598" 90 : 20<' 73' A""8 ' ; 0=8A60' ; 758' 73' 8A6.8' 246' D8AB2.05 ' 89D' .2A6' 20' 50E=7CC0C758.0D' 246' 89=06.756' ; 7.2' : 8.0598" 89D' C8.0598" " 20' =A5A"0' =28456' 50=8" .7' C49D' .20' 4964B948' 73' .20' .<7' =796A"6" 20' ; 589=2' 89D' .20' =57<9' 73' "8A50" 8""AD0' .7' .20' .54AC : 26' 73' A""8 ' 75 ' 8==75D49B' .7' 8?0D794 ' .20@' 850' 49.57DA=0D' 2050 ' : 0528 : 6 ' .7' 49D4=8.0' .28.' 9""8' <86' 790' 73' .20' . ' ' $ ' 20' "4.AA6' 8..06.6' .20' 38=.' 73' 246' 8ABA58.0" 20' 8557<' 503056' .7' .20' : 7""4985489' B8C06 ' .20' =0"0 ; 58.479' 73' <24=2' ; 0"79B0D' .7' .20' : 50.75 ' 89' 7334=0' =05.849"@' 20"D' ; @ .2760' .<7' =796A"6" A""8' 0330=.4?0"@' 7 ; .8490D' .20' : 57E : 50E' .75624 :' 49' ' 9$ ' " ' a N ' : 5475' .7' 246' ; 049B' 609.' 79' 246' 648.4=' 0I : 0D4.479' 8B8496.' 4.254G D8.06' 89D' 547 ; 85\8906* , a" 4I" ' 20574=' 208D' D48D0C0D ' <4.2' 6C8"" ; 085D ' 89D' .20' 6F49' 73' 8' "479' .40D' .7' .20' 627A"D056* 1 6 1 # ' 4898' 49' 8' ; 4B8' 8.' 3A"" 6 : 00D' <4.2' <24 :' 75' "4.AA6' 4A' 205' 54B2.' 289D ' 89D' .2500' 6.856' 49' .20' 340"D' 73' .20' =749* > " " 08D' 73' 4898 ' 6A5C7A9.0D' ; @' 8' 28"3' C779 ' ; 0249D' 4.' .20' "4.AA6* 1 6 ' 4I" A""8' 49' .20' .7B8 ' 608.0D' 79' 89' 0"0?8.0D' : "8.375C ' ; 0249D' 24C ' ; 0"7<' 46' 89' 7"D' C89' F900"49B' 79' 790' F900 ' <4.2' 246' 289D6' .40D' ; 0249D' 24C" 03750' 24C' F900"6' 897.205' 34BA50 ' <27' : 50609.6' .7' A""8' 8' ; 589=2' 73' "8A50"* 1 75' 89' 09B58?49B' 73' .246' =749' 600' .20' <75D6' % / +* 20' 8 ; 7?0' 89D' 7.205' C790@' <4.2' .2060' "0B09D6 ' <050' =7490D' ; @ 8A6.96' .20' 679' 73' A""8' 49' .20' .4C0' 73' 7C : 0@' .20' &508. ' 73' <27C' 20' <86' .20' 679' 49' "8< ' 89D' 49' .20' @085' ' 9$ ' " ' [N ' <209' 20' <86' A5 ; 89' SA06.75* >, " " ' " 4BA50' 79' 27560 ; 8=F ' 49 ' .20' B85 ; ' 73' : 8=434=8.75 ' 75' 8C ; 8668D75* 1 1) ' 1 " " " " S" 08D' 73' #7C0' 75' 73' 4905?8* 1 9' B7"D ' ? A0D' ; @' 47990.' 8.' > '35* A=4A6' 7590"4A6' A""8' M 0"4IN ' 89D' %A49.A6' 7C : 04A6' #A3A6' <050' ; 7.2' =796A"6' =79.0C : 7586 907A6"@' 49' ' =" ▫ N" .' 46' =79.09D0D' ; @' .20' 7"D' 9AC46C8.46.6 ' .28.' 8A6.A6 ' 679' 73' .20' =796A" 89D' D4=.8.75' A""8 ' ; 7C' 73' 0=4"48' 0E' .0""8 ' 246' 37A5.2' <430 ' <4620D' .7' =0"0 ; 58.0' 6A=2' =796A"8.0' 79' .246' C0D8" ; @' .@ : 43@49B' .20' 6@CG ; 7"6' 73' .<7' =796A"6" A.' .246 ' 68@6' #4==47 ' 46' =79.585@' .7' .20' 508D49B' 73' .20' "0B09D' ; 7.2' 79' .20' 7 ; ?0560' 89D' 50?0560 ' <24=2' 620<6' #' .7' 28?0' ; 009' C49.0D' ; @' 8' =05.849' %949.A8' 7C : 04A6 >>" 0 ,00+ 8C0' .@ : 0' 73' 50?0560" 1 1) * 1 8C0' "0B09D' 89D' .@ : 0* 1 ^ 8"A0D' ; @' 47990.' 8.' H ' 35* 1 ' 6 : 0=4C09' 5 .246' 8"C76.' A94SA0' B7"D' =749' ; 57AB2.' $, a' , 6" 8.' .20' 0CG ; 57F0' 68"0Q* 2060' .<7' ' 600C' .7' ; 7557<' "4B2.' 357C' 8' : 8668B0' 49' 4=057 ' <20504?' 20' C09.4796' 8' B4".' 0SA06.5489' 6.8.A0' 58460D' 37' .20' 2797A5' 73' A""8" =F20" =7964D056' 04.205' .28.' .20' 0SA06.5489' 34BA50' 50 : 50609.6' 8' 6.8.A0' <24=2' <86' D0D4=8.0D' .7' A""8 ' 75' .28.' 4.' 503056' .7' .20' : 08=0' 7 ; .8490D' 375' .20' 50 : A ; "4=' ; @' C0896' 73' 246' 38C7A6' ?4=.75406* " 89"4A6 ' <2760' 98C0' 46' 496=54 ; 0D' 79' .2060' =7496 ' 8 : : 0856' .7' ; 0' .20' 68C0' : 05679' <27' <86' "40A.0989.' .7' " 854A6 ' 49' .20' <85' 8B8496.' KABA5.28 ' 89D' <86' 609. ' .7B0.205' <4.2' A""8 ' .7' .20' AC4D489 ' 7==2A6 ' <209' .28.' 85.3A" F49B' <86' D06457A6' 73' : 08=0' <4.2' .20' #7C896" 3.05E

64"?05 73 KA"4A6 80685* 1 75 8 + <4.2 .2A9D05;7".8.20;8=F 73 4. 600 8;48 B096* 1 20 2759 73 :"09.@ 49 .20 289D6 73) 8::0856 79 =7496 73 KA"48 8C608 58 89A6 0=4A6 &8""40976 8"79498 0.54=A6 609475 89D A9475 M600 : :⁋ > H 73 .246 D4=.47985@N* + 46 6009 49 .20 289D6 73 0 75 73 79 =7496 73 .20 4C:0548⁋ 605406 357C 4.0""4A6 .7 79754A6⁋ 9 .2760 73 -, 79 8 =749 73 4.A6 1 73 $ 86 49 8G D5489 89D 796.89.490 .20 &508. 1 73 86 49 057 4.A6 05?8 58 89 8D5489 9E .79490 ⁋ A50"4A6 7CC7DA6 0?05A6 858E =8""8 "0189D05 0?05A6 ⁋ .46 89 8..54;A.0 73 86 49 "8AD4A6 1 73 86 49 8A6G .498 A9⁋ 7C98 1 49 .2760 73 86 49 D098544 73 .20 J C4"48 38C4"@ 89D 73 85F 9.79@ 8"4BA"8 057 &8";8 4.0""4A6 4.A6 7C4.489 57 89 8;498 89D C89@ 7.2056 73 .20 86 385 D7<9 86 .20 8B0 73 796.89.490 89D 246 38C4"@*

& + <4.2 8 =8DA=7A6;0.<009 .20C 375C 8 6@C;7"4=8⁋ .@:0 79 8 =749 73 5A6A6 A9475 0"0B89."@ 8""A64?0 .7 .20 30=A9G D4.@ 8AD =7960SA09.28::49066 73 .20 4C:0548⁋ 38C4"@⁋ 20 208D6 C .20 .<7 49389.6 1 50:50G 609.0D 79 .20 "85B0 ;5866 357C <24=2 .20 8;7?0 =A. 46 09B58?0D 89D <24=2 496.08D 73 .20 A6A8⁋ 466A0 73 =759E0856 35A4.6 89D 3"7<056 6A5C7A9. 08=2 2759 .@:4340D 79 .246 =749 1 850 .2760 73 .20 .<49 =24"D509 .7 <27C @7A9B 4?48 <430 73 5A6A6 679 73 4;054A6 B8?0 ;45.2 49 .20 @085 73 #7C0 9 ' >HN .7 .20 0I=00D49B B508. 7@ 73 .28. 0C:0575 <27 97.4340D .20 8A6:4G =47A6 0?09. 49 58:.A57A6 .05C6 .7 .20 098.0 89D ;@ .2045 75D4989=0 .20 :40=0 <86 6.5A=F 5A6A6 60685 .209 0I05=4649B .20 .54;A94.48A :7<05 375 .20 60=79D .4C0 86 .20 "0B09D 73 50G ?0560 60.6 375.2*

.) ' + 386.090D .7B0.205 C76. =7CC79"@ ;54C3A⁋ 73 35A4.6 0I24;4. .20C60"?06 79 8.49 =7496 73 KA"4A6 80685 4?48 4;05486 7C4.489 9.79490*

& ' + <4.2 8 <49B0D =8DA=7A6;0G .<009 .20C 8::085 79 C0D8"6 73 ABA6.A6 ⁋ 9.79@ 4;054A6 "8AD4A6 4.A6 7C4.489 =*1 DA:"0I 2759 73 :"09.@ 79 <24=2 8 <7G C89 46 608.0D ⁋ :50609.6 4.60"3 79 8 =749 73 58G 89 89D 79 897.205 73 9.7949A6 4A6*

20 ' + 20"D;@ ' 46 37A9D 79 =7496 73 8"4BA"8 9.7948 C4975 89D "8AG D4A6 1 49 .20 289D6 73 ! 79 C0D8"6 73 .20 C:506606 KA"48 8068 5;4898 8C 08 .5A6=4""8 8"79498 89D 0?05478 1 73 !

>

86 49 &8";8 06:86489 89D C89@ 73 .20 6A0 =00D49B C:05756 .7 796.89.490 .20 &508. 1 73 ! !) 79 =7496 73 06:86489 7"A648996 858A6496 1 73 8 50=A53";09.6 4 86 49 7C4.489 58 89 8D5489 * 496 80685 7CG C7DA6 =*1 73 .20 B7DD066 ! 79 4CG :0548⁋ C0D8"6 357C ABA6.86 .7 796.89.4A6 2"7586*

20 + 8::0856 49 .20 "03.289D 73 .20 :05679430 0D 0944 73 .20 #7C89 07:"0 CG :05756 89D 7"79406 79 9AC057A6 =7496 86 <0""⁋ =796A"85 86 4C:0548"1 6A=2 86 .2760 73 75G 90"48 B096 89D 73 057 8D5489 9.7949A6 4A6 7CC7DA6 ";49A6 0?05A6 4=49444G 609475 7C4.4A6 7C4.489A6 796.8A.49A6 8BG 9A6 ⁋ *1 00 & L ' # # 0! * ! / 5 & 47 &?6 4 =⁋ 49 .246 ?7"AC0*

20 ' + 8::03 6 49 .20 289D6 73 4 8 :05679430 0D 79 =7496 73 &8""409A6 89D 76E .ACA6 1 73 ; M.20 &7D 73 797A5N 86 49 &8";8 4.0""4A6 06:86489 4.A6 9.79490 89D ⁋ A50"4A6 1 73 86 49 .20 A648 89D A=48 38C4"406 89D 79 .20 4C:0548"6 73 06G :86489 4.A6 8D5489 9.79490 =*1 73 ; 86 49 8D5489 ⁋ A50"4A6 8A6.498 A9⁋ A=4""8 7CC7DA6 =*1 73) 86 49 8D5489 9.79490 ⁋ A50"4A6 ⁋ 05A6 =⁋ 1 73 ! + 89D 73) 86 49 06:86489 9.7949A6 0?05A6 =⁋E1 73 ! 86 49 ABA6.A6 &8";8 06:86489 =*1 73 ! 86 49 85F 9.79@ 58 89 .20 8A6.498 =⁋ 1 73 # 86 49 ⁋ A50"4A6 89D 7.205 0C:0575 86 385 86 796.89.490 *1 73 6 86 49 8D5489 7CC7DA6 57;A6 =*1 73 F 86 49 ⁋ A50"4A6 8"05489 =*1 73 F 86 49 58 89 8D5489 0=4A6 &8"G "409A6 1 73 8 !) 79 8 =749 73 79G 6.89.490 .20 &508.*

B096 73 .20 :"0;0489 75D05 ;A. 73 =796A"85 589F*1 750⁋ 8664B96 34?0 ?8540G .406 .7 .20 =7496 73 .246 38C4"@ 89D 479A0. B4?06 8 3490 09B58?49B 357C .20 B7"D 6:0=4C09 73 790 D06=54;0D 86 37""7<6 1

,⁋ 08D 73 KA:4.05 CC7A 27590D 89D =57<90D⁋ (4.27A. "0B09D*1 6 1 S⁋ " $. 4=4⁋ & # ⁋ 34BA50 49 .20 8ABA58⁋ 28;4. 27"D49B 49 .20 54B2. 289D .20 46 =57<90D ;@ KA97 46:4.8 <27 6.89D6 ;0249D 24C 89D <27 27"D6 79 205 "03. 85C 8 6240"D* >⁋ 08D 73 0506 =57<90D <4.2 =759E0856* 1 8C0 50?0560 8Sh⁋ "0B09D 86 .20 3456.* H⁋ 08D 73 354=8 :05679430 0D 86 .28. 73 2 <7C89 =7?050D <4.2 89 0"0:289.L6 :57;76=46* """ .2060 850 73 .20 24B206. 5854.@ ;7.2 49 64"?05 89D B7"D 06:0=48""@ 7⁋ >506.750D ;@ 58 89*

%A49.A6 759434=4A6 .7 <27C .2060 =7496 ;0"79B <86 89 8D20509. 73 KA"4A6 80685 A9D05 <27C 20 605?0D 86 :57E:50.75 49 """@548"

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20' =4?4=' =57<9' 73' 78F' "08?06 ' <4.2' 496=54 : G .4796' 75' 34BA506 ' 8 : : 0856' 79' =7496' 73' .20' 0"48 ' SA4"48 ' A5C48 ' 4=4A48 ' 89D' 7.205' 38C4"406 ' 89D' M ; 064D06' .2760' 8 ; 7?0' C09.4790DN' 79' =7496' 73' 4 ; 054A6 ' 8"4BA"8 ' 057 ' &8" ; 8 ' 06 : 86489 ' 4.A6 ' 7C4.489 ' 05?8 ' 58 89 ' 89D' 60?058"' 7.2056*

>'' # ' # E1 20'"89508.0D'=57<9'<86' .20' C76.' 89=409.' 208DED5066' 73' .20' 0C : 05756 ' 86' 4.' ; 0B89' .7' ; 0' A60D' 86' 085"@' 86' .20' .4C0' 73' K7296' 80685'' 246' 2797A5' <86' : 9 ; "4="@' D0=500D ' 89D' <86' C7507?05' : 85.4=A"85"@' B58.43@49B' .7' 24C ' 86' 8' C0896' 73' =79=08 9B ' 79' : A ; "4=' 7==864796 ' .28.' ; 8"D9066' 73' .20' 208D ' <24=2' 67C0' .4C0' ; 03750' 246' D08.2' 28D' =7C0' 79' .7' 246' B508.' 8997@89=0'' 246' ' 73' KA"4A6' 80685 ' 86' :"849"@' 8 : : 0856' 357C' 246' =7496' M600' : : ' , [> ' , [' , [[' , [N ' <86' 2' 64C : "0' 790 ' <205086' .28. ' <2402' =.8?48996' 89D' 246' 6A=='066756' <750 ' <86' ; 7A9D' <4.2' 8' D48D0C ' 75' 34""0. ' <24=2' <86' .40D' 49' 8' F97.' 8.' .20' ; 8=F' 73' .20' 208D ' .20' .<7' 09D6' D06=09D49B' .7' .20' 627A"D056*

=F ; 0"' 49' 89' 49SA45@' <24=2' 20' 09.056' 49.7' M?444'' H 1 , ' =.' 60S"N ' 86' .7' <20.205' .20' ' ' <86' 8' ; 8DB0' 73' 67?0504B9.@ ' C8F06' .20' 37""7<49B' 496.5A0.4?0' 50C85F6/ 1

050' 46' 89' 49?7"?0D' SA06.479 ' 649=0' .20' 64BG 9434=8.479' 73' .246' =57<9 ' 86' 73' C89@' 7.205' .249B6 ' 97' D7A ; .' ?8540D' 8.' D4330509.' : 0547D6'' 28.' <24=2' <86' 8.' .20' 3456.' D0=500D' .7' KA"4A6' 80685' 89D' 83.05<85D6' .7' =.8?48996 ' <86' ; A.' 8' : 85.' 73' .2760' D46.49=.479'6' 67' ; 058""@' 627<050D' ; @' 3"8..05@' A : 79' ; 7.2' .2760' 49D4?4DA8"6' .27AB2' 4.' 90?05.20"066 ' ; @' .20' C89905' 49' <24=2' 4.' <86' =7930550D ' =85540D' <4.2' 4.' 8' : 0=A"485' C85F' 73' D4B94.@' 89D' 6A : 054754.@'' .' 46' 97<' 8' <0""E 06.8 ; "4620D' 38=. ' .28.' 904.205' KA"4A6' 80685' 975' =.8?48996' M83.05<85D6' ABA6.A6N ' ; 750' 89@' 2797A56' ; A.' 6A=2' 786' <050' : A ; "4="@' D0=500D' .7' .20C'' 9D' '' B54 : : 8 ' 8==75D49B"@ ' D706' 97.' 8 : : 085' 79' =7496' <4.2' 8' "89508.0D' 208D ' ; 0=8A60' .20' "8A50"' <86' 90?05' D0=500D' .7' 24C'' 75' .20' 68C0' 508679' 4 ; 054A6' 8"67' 8 ; 6.8490D' 357C' 4.6' A60 ' ; 049B' 8"<8@6' 50 : 50609.0D' <4.2' ; 850' 208D ' 86' "79B' 86' ABA6.A6' <86' 8"4?0' 89D' 20' 24C60"3' <86' 79"@' .0685'' 9' .20' D08.2' 73' ABA6.A6' 20' 4CC0D48.0"@' 866AC0D' 4. ' 89D' 49D00D' 8""' .20' 7.205' 2797A56' 89D' : 54?4"0B06' 73' 246' 38.205' ; @' 8D7 : .479 ' 86' 246' 7<9' ; @' 54B2.'' 9' "4F0' C89905' 057 ' .4""' 20' ; 0=8C0' 0C : 0575 ' D0="490D' .20' "8A50"' =57<9'' 57C' 8""' <24=2' 496.89=06' <0' C4B2.' 49305 ' .28.' .246' ; 8DB0' ; 0"79B0D' : 57 : 05"@' .7' .20' 0C : 05756' 79"@' A9"066' .20' =8606' 73' 5A696' 09475 ' 4.A6' 89D' 7C4.489 ' ; 0' =7964D050D' 86' 49?8"4D8.49B' 6A=2' 8' 5A"0'' 9D' @0.' .20' 0"D05' 5A6A6' <86' 97.' 0?09' C685' .27AB2' 20' 46' B09058""@' 6009' 79' =7496' <4.2' 8' "89508.0D' 208D ' 89D' 97.<4.26.89D49B' 4.' 46' <0""EF97<9' .28.' 246' =7496' <050' 97.' 6.5A=F' .4""' 83.05' 246' D08.2 ' @0.' .20' "8A50"' =7A"D' 97.' 28?0' ; 009' B4?09' .7' 24C ' 28D' 4.' ; 009' .20' : 57 : 05' 89D' : 0=A"485' C85F' 73' 67?0504B9.@'' 7' 246' 496.89=0' C8@' ; 0' 8DD0D' .28.' 73' ' 4.0" A6' .20' 38.205' 73' .20' C : 0575' A"A6' 4.0 4A6' <27' .27AB2' 20' D40D' 49' 8' : 54?8.0' 589F' 73' "430' @0.' 8 : : 0856' <4.2' 8' "89508.0D' 208D' 79' .20' =7496' 6.5A=F' ; @' 246' 679'' ,' <7A"D' 97.' ; 0' 60?050' A : 79' 4.A6' .27AB2' 20' <86' 8.' .20' 68C0' .4C0' 80685' @0.' 09D7<0D' <4.2'

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.20' ' # ' 89D' 8667=48.0D' <4.2' 246' 38.205' 49' .20' 0C : 450' ' ; A.' <28.' 54B2.' .7' .20' "8A50"' =57<9' =7A"D' 7C4.489' : 766066' <209' @0.' 79"@' 80685' 89D' D034=409.' 49' 8""' .2060' 7.205' .4."06' z

.' 46' 0?4D09. ' .20503750 ' .28.' .20' ' D4D' 97.' 8.' .28.' : 0547D ' D097.0' .20' 24B206.' : 76.' 49' .20' 508"C'' (86' 4.' .209' 89' 85 ; 4.585@' D46.49=G .479' z 85' 357C' 4.'' 75' 4.' =7A"D' ; 0' =7930550D' 86' 8' 50<85D' 375' B508.' 0 I : "74.6' 49' <85' 73' <24=2' 6 : 0=406' 73' C054.' .20' "8A50"' 286' 8.' 8""' .4C06' ; 009' .20' 6@C ; 7""' 4=.75@' 8"<8@6' =855406' 4.' 49' 205' 289D' ' 89D' "0..056' ; 08549B' 90<6' 73' 8' ?4=.75@' <050' 8"<8@6 ; 7A9D' <4.2' "8A50"'' (0' F97<' .28.' 5A6A6' 79' 8==7A9.' 73' 246' .540D' ?8"7A5' 49' ; 8.."0' 97.' 79"@' 50=04?0D' .20' .4."0' 73' + ' ; A.' 8"67' 6.8.A06' 89D' 8' .54AC : 28"' 85=2'' ' 4.0 4A6' .77' 375' ; 549B49B' ; 8=F' .7' 246' 8""0B489=0' .20' 85.2489' 5.8 ; 89A6' B8490D' 97' 6C8""' =50D4.* 1 ' 9D' 86' 375' .20' <85"4F0' D00D6' 73' 4.A6' 89D' .20' 2797A56' 208 : 0D' A : 79' 24C' 49' =7960SA09=0' <27' D706' 97.' 50C0C ; 05' .20C' z .' 46' 49D00D' C750' D4334=A".' .7' 8667=48.0' <4.2' 6A=2' C09' 7C4.489'' 0.' 4.' 46' 24B2"@' : 57 ; 8 ; "0' .28.' ; @' .20' 49DA"G B09=0' 73' 06 : 86489' 89D' 4.A6' <209' .20@' 09G 7@0D' .2045' K0<462' .54AC : 2' 67C0' 73' .20' 7A.G <85D' D46.49=.479'6' 73' C4"4.85@' 5097<9' <050' : 05G C4..0D' .7' 7C4.489'' 9D00D' 4.' 46' <0 ' F97<9' .28.' 20' <86' : 50609.' 8.' .28.' .54AC : 2' 79' 27560G ; 8=F' 89D' 79' .20' =7496' 73' .28.' @085' ?4\'' > ' 9 ' 7 ' ,N' 20' 8 : : 0856' 28 ; 4.0D' 49' .20' + ' 89D' 27"D49B' 8' 6275.' 6<75D' 49' 246' "03.' 289D' 89D' .28.' 4.' 46' 79"@' 357C' .28.' .4C0' .28.' 20' 46' 50 : 50609.0D' <4.2' 8' "8A50"' =57<9' 28?49B' 8"<8@6' ; 03750' ; 009' B4?09' ; 850' 208D0D*

28.' 49' 83.05' .4C06' 4.' : 8660D' 49.7' 8' "8<' .28.' 97' 790' ; A.' 89' 0C : 0575' 627A"D' ; 0' =57<90D' <4.2' "8A50"' 46' D46.49=."@' : 57?0D' ; @' =7496'' 9' .20' =860' 73' 7CC7DA6' 8"790' .246' 2797A5' <86' 89.4=4 : 8.0D' 89D' 0?09' .2050' 79"@' A9D05' .20' =45=AC6.89=06' 73' 246' ; 049B' 8667=48.0D' <4.2' 246' 38.205' 49' .20' 0C G : 450' 86' 4.A6' <86' .27AB2' .20' .4."0' 73' 0C : 0575' 28D' 97.' ; 009' 8=.A8 @' =7930550D'' 57C' .28.' : 0547D' .209' 8 ' .20' 806856' 8.' "086.' 79' =7496' 6.5A=F' 49' #7C0' <050' 50 : 50609.0D' <4.2' ; 850' 208D6' .20' 58D48.0D' =57<9' ; 049B' 83.05<85D6' : 05G C4..0D' ; A.' ' ' ' 20' "8A50"' 27<G 0?05' <86' =7964D050D' 790' 73' .20' 4964B948' 73' 67?0E 504B9.@' 49' 7.205' : 85.6' 73' .20' <75"D' 6<0""' 86' 8.' #7C0'' ==75D49B' .7' 057D489' M?44'' =2'' N ' <209' &75D489A6' 354=89A6' 609475' 09.050D' 85G .28B0' 79' .20' 70=86479' 73' .20' 3540896' D0="8549B' 24C ' <27' <86' .2045' : 57E=796A"' 0C : 0575' 7A.' 73' 28.50D' .7' 8I4C49A6' 'T' "89508.0D' 386=06' <050' ; 7590' ; 03750' 24C ' <24=2' <86' .20' 64B9' .7' D46G .49BA462' .20' 386=06' 73' 67?0504B96' 357C' .2760' 73' : 54?8.0' 49D4?4DA8"6*U' 57C' .20' .4C0' 73' 47="0E' .489 ' 8""' .20' C6856' 8DC4..0D' 86' 8667=48.06' 73' .20' ABA6.4' "' ' 8 %' 49' 7 : : 764.479' .7' "79B' 50=04?0D' =A6.7C ' 866AC0D' .20' "8A50"' ?4\'' 796.89.496' 2"75A6' &8"'' 8I4C489A6' 8I4G C49A6' 8\8' '' 0?0C6' 89D' 796.89.490' .20' &508.'' 20' 508679' 375' .246' C8@' 28?0' ; 009' .28.' 08=2' 73' .20C' 5A"0D' 246' 7<9' : 57?4900' <4.2' 8"C76.' : "0985@' : 7<056'' 2045' 0I8C : "0' <86' 83.05<85D6' 37""7<0D' ; @' .20' 806856' 546 : A6' 0''C8.496' 89D' .20' 6796' 73' 796.89.490' .20' &508.'' A.

73' 89=409.' B@ : . ' 8C79B6.' 7.2056' 49' 20 ; 06 ' 8.' 564970 ' =8""0D' 79' .28.' 8==7A9.' 57=7D4""7 : 7""46 ' 8.' 7 : .76 ' =# <24"6.' 49' 7.205' = 9.5406' 4.' <86' 50B85D0D' 86' 8' 9714796' 894C8" ' 89D' .508.0D' 86' 69=2' ; @' .20' 4928 ; 4.89.6* 1 4""49 ' ' * '

' # *1 246' 496.5AC09. ' <24=2' 46 6009' 79' =7496 ' 49' .20' "03.' 289D ' 75' ; @' .20' 64D0 ' 73' .20' B7DD066' @ ; k"0 ' <86' 8' 6 : 0=406' 73' =86.890.6' C8D0' 73' .249' ; 5866' : "8.06 ' <24=2' <050' 6.5A=F' 790' 8B8496.' .20' 7.205' <4.2' D4330509.' C7?0C09.6' 73' .20' 349B056 ' 89D' 357C' <24=2' <86' : 57DA=0D' 8' 67A9D' "4F0' .28.' <24=2' 8' 6.75F' C8F06' <4.2' 4.6' ; 08F# "8@056' 79' .246' 5AD0' CA64=' <050' 8DC4..0D' .7' 3086.6 ' .7' 50B8"0' .20' 0856' 89D' 0@06' 73' .20' BA06.6 ' <4.2' .20' .790' 73' .2045' ' 89D' <4.2' .2045' B06.A506 ' 97.' .D<8@6' .20' C76.' D0=09.* 1 ' 4.46=A6* 1 00' 45$ o

' # *1 20' : A560' <86' 790' 73' .20' 49G 64B948' 73' 05=A5@ ' <27' M68@6 A4D86N' <86' .20' 8A.275' 73' .58D0 ' 89D' : 5064D0D' 7?05' =7CC05=0' I 375' < 24=2' 508679' 49' 6.8.A06' 89D' 79' =7496' 20' 46 6009' 27"D49B' .20' C790@E ; 8B# 05=A5@' 8 : : 0856' <4.2' .20' ' 49' 246' 289D ' 49' .20' C49.8B06' 73' # A50"4A6 ' 58 89A6' 0=4A6 ' 050994A6 ' 76.4"489A6 ' 8"05489A6 ' 38.205' 89D' 679 ' &8 40996 ' 76.ACA6 ' "8AD4A6' &7.24=A6 ' AC05489A6 ' 89D' 8549A6* 1 00' 8"67' 8' C0D8"# 73' 7"7948' 0"47E' : 7"4.898 e496=54 ; 0D' .7' 24"4 : ' 609475* 1 05=A5@' 286' .20' : A560' 49' 246' 54B2.' 289D ' 79' 8' =749' 73' 497 : 0' =7"7948 ' 49' 0""0549 ' = ' 4# : 4# I 44# 7# * 1 "67' 600' .20' <75D' $ " 3 ! ' 49' .246' ?7"AC0*

20' ' ' 46"4F0<460' .20' 6@C ; 7"# 73' ; A9G D89=0 ' 89D' 8 : : 0856' 49' .20' 54B2.' 289D' 73' 8' 30C8"0' 34BA50 ' <27' 286' .20' =759A=7 : 48' 49' 205' "03. ' <4.2' .20' 0 : 4B58 : 2' $ $! ' 75' $ $ ' 79' =7496' 73' 0=4A6 ' &8""A6 ' &8""409A6 ' 76.ACA6 ' "8AD4A6 #' 8=4.A6 ' =# @' <24=2' C790.84' .@ : 0' 46' 49G D4=8.0D' .28.' "09.@' 20"D6' 8' 3A"# : A560 ' ; 0=8A60' 8 ' .249B6' 850' 7 ; .8498 ; "0' ; @' C790@* 1 #86=20*

20' ' ' 46' "4F0<460' 89' 8..54 ; A.0' 73' ' ' 89D' 73' F ' 86' 46' 6009' 79' =7496' 73' # 0?0596' 89D' 73' 58 89A6' 0=4A6*

+* 1 20' 5766 ' 89' 496.5AC09. ' 73' : A9462G C09. ' 8C79B6. ' .20' #7C896' 89D' 60?058"# 7.205' 98.4796' 73' 89.4SA4.@# 4=057' =8""6' 4. ' ' ' 0 ' 9' 38=. ' 9790' ; A. ' 6"8?06 ' 89D' C8"038=.756' 73' .20' "7<06. ' D06=54 : .479 ' <050' 6A ; 0=.0D' .7' 4. # 20' <75D' ' <86' 8 : : "40D ' ; @' .20' #7C896' .7' 0?05@' 4R0=406' 73' : A9462C09. ' <20.205' 4. ' <86' 8' .500 ' 75' 64C : "@' 8' 6.8F0 ' .7' <24=2' .20' =54C498"# <86' ; 7A9D' 75' 984"0D# 09=0' 4. ' <86' D064B98.0D' A9D05' .20' 98C06' 73') ' ' 9$ ' $ ' ' ' 1 &090G 58""@' 6 : 08F49B ' 27<0?05 ' 4. ' 46' A6A8"# .7' A9D05G 6.89D' ; @' .20' 8 : : 0""8.479' 5766 ' 8' "79B' ; 08C' .58?0560D' 8. ' 4.6' A : : 05' 09D' ; @' 8' CA=2' 6275.05' : 40=0' 73' <77D ' <205079' .7' 386.09' .20' 85C6' 73' .20' 6A330505 ' <24"6. ' .20' ; 7D@' 46' : "8=0D' 79' .20' ; 08C# A=2' <86' .20' T' 8==A560D' .500U' 79' <24=2' .20' K0<6 ' 49' .20' 504B9' 73' 4 ; 054A6' M ' ¯ ¯ HHN ' T 289B0DU' .20' "4?49B' 7D@' 73' #' G ' ' #E ' # 1 ' 89D' .20' 496.5AC09. ' 73' ' D08.2' 286' ; 0=7C0' .20' 50?050D' 64B9' 73' 2546.4894.@# 57C' . 20' 06.8 ; "462C09. ' 73' .20' #0"4B479' 73' K06A6' 73' 8\850.2 ' .28. ' 68=50D' 6@C ; 7"# 46' 37A9D' 79' 8""" W [

2546.489' C79AC09.6 ' 06 : 0=48""@' 357C' .20' : 0547D' <209' 796.89.490' .20' &508.' 466A0D' 246' =7CC89D6' 375' : A..49B' 4. ' 79' .20') ' 89D' 7.205' C4"4G .85@' 0964B96# 209=0375<85D' 20' 8"67' : 5724 ; 4.0D' .20' : A9462C09. ' 73' D08.2' ; @' =5A=434I479 ' .257AB2G 7A. ' .20' <27"0' 0I.09. ' 73' .20' #7C89' 0C : 450* 1 ' 9D' 357C' .20' .4C0' 73' .28. ' : 549=0 ' 4. ' D706' 97. ' 8 : : 085' 0?05' .7' 28?0' ; 009' 49D4=.0D' 8B849# A. ' 357C' 28?49B' ; 009' 89' 496.5AC09. ' 73' 275575' 89D' 73' 4B97C49@ ' .20' 5766' <86' =79?05.0D' 49.7' 8' C85F' 73' 50?0509=0' 89D' 2797A5 ' <24=2' 34BA50D' 97. ' 79"@' 79' 4C : 0548"# =7496' 89D' 6=A" : . A506 ' ; A. ' 79' .20' 6.89D85D6 ' 89D' 0?09' 79' .20' 85C6' 73' .20' 67"D4056* 1 4.46=A6* 1 4""49*

' ' 1 5766' 79' 8' B"7 ; 0 ' 350SA09. ' 79' =7496' 73' .20' "7<05' 0C : 450* 1 ' B"7 ; 0' <86' =7964D050D' 86' .20' .@ : 0' 73' D7C49479' 7?05' .20' <75"D ' 357C' 86' 085"@' 8' D8.0' 86' .20' 504B9' 73' AG BA6.A6# 3.05<85D6' 8' 34BA50' 73' <24=2' 4.75@' <86' : "8=0D' A : 79' .20' B"7 ; 0 ' 4986CA=2' 86' .7' 205' <86' 86=54 ; 0D' 97. ' 79"@' .20' =79SA06. ' ; A. ' .20' 50.09G .479 ' 73' 6A=2' D7C49479# 9D' <209 ' 49' "8.05' .4C06 ' 2546.489' 0C : 05756' <050' 49="490D' .7' 8..54G ; A.0' .2045' 6A==0660' .7' .20' 64B9' 73' .20' =5766 ' .20@' 6A ; 6.4.A.0D' 4. ' 49' .20' : "8=0' 73' 4=.75@* 1 ' B"7 ; 0' 89D' =5766' 8 : : 085 ' 3456. ' 79' =7496' 73' K7?48996 ' 49' .20' 289D' 73' 4=.75@/ 6A ; 60SA09. "@ ' 4. ' 46 73.09' 6009' 49' .20' 0C : 0575U5 289D* 1 00' 1 " D * ! ' 1 1 1 ' B7"D' 73' K7?489A6' M 89DA54N ' 89D' 1 4 ' * * ' ; 5866' C0D8""479' 89D' 60=79D' ; 5866' 73' K7?48996' M 89494N*

9' 8' 60=79D' ; 5866' 73' 796.89.496' #' <4.2' "0B09D' " ' !& ' ! " *' * ! ' 4=.75@' 46' 6009' =57<949B' .20' 0C : 0575 ' <27' 6.89D6' 28 ; 4.0D' 49' .20' + ' 89D' 27"D6' 49' 246' 54B2. ' 289D' .20') ' 79' <24=2' 46' .20' C797B58C' 73' 2546.* 1 00' " ! ' 375' .246' C797B58C*

7C0' 8==7A9. ' 73' .20' T' 7"@' 5766 U' 86' 34BA50D' ; @' 75D05' 73' 796.89.490' .20' &508.' 79' .20' 4C : 0548"# 6.89D85D ' <209' 8 ; 7A. ' .7' 09B8B0' <4.2'_ 810A.4A6_ ' <4 ' ; 0' 37A9D' A9D05' .20' "0B09D' 92 .' <86' 27C0' 79' .28. ' 7==8647 9' 8C4D6. ' .20' 589F6' 73' 246' 85C@ ' <2050' .20' =793"4=. ' 8 : : 0850D' .7' 20' 6285 : 06. ' 89D' 8==75D49B' .7' A60 ; 4A6' 89D' 246' .5896=54 ; 056 ' .246' 90<' 0964B9' <86' 49?8548 ; "@' 8==7C : 8940D' ; @' D0=464?0' ?4=G .75@# 09=0' 4. ' ; 0B89' .7' ; 0' "77F0D' A : 79' 86' 8"790' 6A334=409. ' .7' 096A50' 6A==066 ' 89D' 209=0' 8"67' .20' 375=0' 73' .20' "0B09D' ; 'F ' ' ' <24=2' 97' D7A ; . ' <86' 8"67' 496=54 ; 0D' 79' .20' 6.89DG 85D# @' 67C0' <54.056' .246' 50?056'0' 46' 5030550D' .7' .20' =5766 ' <24=2' 796.89.490' ; 7"D"@' 86605.0D' .28. ' 20' ; 020"D_ 49' .20' 208?096_ ' 8==7C : 8940D' ; @' .20' <75D6' E - ' ' " % ' 1 00' =F20"' ?444# , , 1 89D' [* ' 1 20' =5766' ; @' 4.60"3 ' 75' <4.249' 8' "8A50"# =57<9 ' 8 : : 0856' 79' =7496' 73' 8"09.49489' # 4=.75' 5=8D4A6 ' 207D764A6 ' 7975496 ' KA6.49489A6 ' 07' #' 89D' 7.205' 0C : 05756 ' : 573066498' 2446E' .4894.@* 1 00' N O ! ' # ' 49' .246' D4=.47985@' 375' 8' 6 : 0=4C09' 73' .20' .@ : 0*

' ' ' <4.2' 790' 75' .<7' 6.856 ' 46' 37A9D' 79' =7496' 73' 9D7=48 ' <430' 73' 5=8D4A6 ' AD7=48 ' <430' 73' 207D764A6' #' 89D' 7.2056*

' ' ' 49' .20' 289D' 73' 89' 00 : 0575 ' 75' 73' 4=.75@ ' 75' : "8=0D' 79' 8' B"7 ; 0 ' 8 : : 0856' 79' =7496' 73' 8"09.49489 ' 8"096 ' 207D764A6' #' 89D' *

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9AC ; 05' 73' "4796 ' < 24=2' 46' . < 7' 49' A=50.4A6' 89D' 37A5' 79' .20' =749# 20' "86.' ?0560' 73' .20' : 70.' 46' 50C85F8 ; "0 ' 4986CA=2' 86' 4.' 600C6' .7' A94.0' 8' F97<"0DB0' : 57=00D49B' 357C' 8' : 2@64=8# 6=409=0' MDLAA0' : 2@64SAON' 8"508D@' 6A334=409."@' 8D?89=0D ' .28.' 73' .20' 57.8.75@' C7?0C09.' 73' .20' 085.2' 79' 4.60"3 ' 89D' .20' 8 : : "4=8.479' 73' .246' 97.479' .7' .20' : 54C4.4?0' ; 0"403' 8"508D@' SA7.0D ' 37""7<49B' <24=2' .20' B7D6 ' 75' .20' <75"D' M<24=2' 46' .20' 68C0' .249B' <4.2' .20' 89=409.6N ' <7A"D' 28?0' ; 009' D58<9' 49.7' 8' : 05 : 0.A8# C7?0C09.' 73' =79=09.54=' 57.8.479* 1 ' 246' C7?0C09. ' ; @' 4.6' =796.89=@' 89D' 50BA"854.@ ' 0I : "8496' .20' 8 : : 8509."@' =79.585@' 4D08' 73' 8' : 05G 30=.' 6.8 ; 4"4.@# ==75D49B"@ ' <0' 28?0' 97' 2064.8G .479' 49' =7C : 8549B' .246' C0D8""479' 73' 8D5489' <4.2' 897.205' 73' .20' 68C0' : 549=0 ' 79' < 24=2' < 0' h08D ' ?6' 4 4 ' 89D' C0D8"6' 49' B7"D' 89D' 64"?05 ' 8"67' 73' 8D5489 ' <4.2' .20' 68C0' "0B09D# 20' C08949B' 73' .2060' "86.' C09.4790D' : 40=06' 286' ; 009' ?05@' A6."@' =7964D050D' ; @' =F20# " . ' ?4# aN ' 86' 89' 8""0B74@' 73' 75D05' 89D' 73' : 08=0 ' 50E06.8 ; "4620D' ; @' 8D5489' .257AB27A.' .20' #7C89' <75"D# 9' 37""7<49B' .20' 49D4=8.479' 73' A=50E' .496 ' .20' C0D8""479' 8 ; 7?0' D06=54 ; 0D' <7A"D' 01G : 5066' .20' 68C0' 4D08' 49' 8' C750' 49D450=.' C89905# 9' 08=2' =860 ' .246' =79=09.58.479' 73' .20' : 05679' 73' @ ; 0"0' 49' .20' : 05679434=8.479' 73' .20' 85.2 ' 8 : : 0856' .7' A6' =79375C8 ; "0' .7' .20' : 549=4 : "06' 73' 98.A58# .207"7B@ ' 89D' =7960SA09."@' .7' 8B500' < 4.2' 8' "0859OD' : 0547D' "4F0' .28.' 73' 8D5489*U' ! ' ! ' ! ' T' 6' .7' .20' 506. U' 8DD6' .20' "08590D' 89D' 49B0947A6' 8A.275' 73' ' ' 4 ' M : # , HN ' T' 4.' 46' : 7664 ; "0' .28.' .246' 50?0560' 8""AD06' 79"@' .7' .20' .5896"8.479' 73' .20' ' 7$ ' 357C' 790' .0C : "0' .7' 897.205 ' < 24=2 ' 8==75D49B' .7' : 85.489 ' .77F' : "8=0' 8.' #7C0 ' DA549B' 8D5489L6' 504B9*U

' =79.75948.= ' ; 08549B' 79' 4.6' 7 ; ?0560' .20' 208D' 73' 057' .@ : 43406' @ ; 0"0' 89D' .@6' .7B0.205' 49' 8' =85' D58<9' ; @' 37A5' 564C49B' "4796# 20' B7DD066' 286' 8' =57<9' 73' .7<056 ' 89D' 27"D6' 8' 6=0 : .50* 1 ' .@6' <0856' .20' 25@B489' =8 : ' 89D' ; 0856' .20' : 86E' .75334 =577F' 49' 246' "03.' 289D* 1 ^ 20' 07A.75948.06' ; 0"79B' .7' .20' "7<05' 0C : 450# 20@' <050' : 40=06' D46.54 ; A.0D' 8.' .20' 45=096489' B8C06* 1 00' : # > , ' 0.' 60S# 73' .246' D4=.47985@*Q

9' 8' D09854A6' 73' .20' 06.48' B096' M : # , a N ' @ ; 0"0' 46' 608.0D' 49' 8' ; 4B8' 73' "4796# 75' 8' .@ : 0' 73' .28.' B7DD066 ' 86' 89' 0C ; "0C' 73' , 3 ' 75' 58.205' 8A6.498' 609475' 50 : 50609.0D ' 83.05' D08.2 ' A9D05' @ ; 0"0L6' 4C8B0 ' 600' : # >H ' "03.' 289D' =7"

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37A5.2' "0..05' 49' .20' 8" : 28 ; 0.' 73' .20' #7C896# 1 C79B6.' 9AC058"6' 4.' 64B943406' 34?0' 2A9D50D

86' 89' 494.48# "0..05' 49D4=8.06' . ' 7 ' % ' . ' ! K ' 7==A56' 79' .20' ' 75' 6.89DG 85D ' 79' =7496' 73' .20' : 57?49=0' 73' 8=48* # . 1 7# 7 ' # ' &05C894=A6 ' 8=4=96 ' 85.24=96 ' 79' =7496' 73' 58 89 ' <2760' 6A598C06' 86' C : 0575 ' 850' D054?0D' 357C' .20' 98C06' 73' =79SA050D' 98.4796*

. ' ' =79D0C9* 1 00' 70"48' B096 : # >>>*

. 1 # # . ' .

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. 1 " $ ' ' # # ' 79' 8' 64"?05' =749' 73'KA"4A6' 60685*

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. 1 00' 79B4854AC ' : # > * ' 8' 50B479' 73' A57 : 089' =@.248 ' 97<' =7C : 50209D49B' .20' C7D0C' =7A9.5406' 73' A9B85@ ' 5896@"?8948 ' (8""8=248 ' 89D' 7"D8?48* 1 9D05' ABA6.A6 ' .20' 8=4896' 3456.' =8C0' 49.7' <85"4F0' =7""4647' <4.2' .20' #7C896 ' 89D' <050' D54?09' ; 8=F ; 0@79D' .20' 89A ; 0' ; @' 09.A"96# ' 2A9D50D' @0856' 83.05<85D6 ' 58 89 ' 8.' .20' 208D' 73' 246' =7275.6 ' : 090.58.0D' 49.7' .20' 49.0547' 73' 8=48 ' D4334=A".' 86' 4.' <86' 73' 8==066 ' ; 049B' ="760D' A : ' 89D' 375.4340D' ; @' 98557<' B75B06' 73' C7A9.8496# 28.' : 549=0 ' 49' .<7' 6A==0664?0' <856 ' C0.' <4.2' 8' ?4B757A6' 50646.89=0 ' ; A.' 8.' "09B.2 ' 28?49B' =79G SA050D' 0=0 ; 8"A6 ' <2760' D08.2' 6275."@' 37""7<0D' 20' =79?05.0D' .20' 8=489' F49BL6' D7C49479' 49.7' 8' #7C89' : 57?49=0* 1 8D5489' 8.' 3456.' 4.' 46' 684D' <86' 49="490D' .7' 8 ; 89D79' .2060' 285DE08590D' =79G SA06.6' 73' 246' B508.' : 50D0=06675 ' ; A.' =79.49A0D' .7' 7==A : @' .20' : 57?49=0' <4.2' 8' : 7<053A"' 85C@* 1 ' 0=4A6' M 58 8AA6N ' 8 ; 7A.' # # > a' 6.5ABB"0D' 6A=G =0663A""@ ' ; A.' <4.2' B508. D4334=A".@ ' .7' D0309D' .20' : 57?49=0' 8B8496.' 50 : 08.0D' 49=A564796' 73' .20' &7.26# A.' 8.' 246' D08.2' 4.' 6779' ; 0=8C0' 89' 7 ; 0=.' 83' 8668A".' 89D' 8' 6=090' 73' D0?86.8.479 ' 375' 35062' 275D06' 73' 975.2059' ; 85 ; 854896* 1 8=48 ' 8.' "09B.2' "76.' .7' #7C0' A9D05' &8""409A6 ' <86' 50G =7?050D' ; @' A50"489A6 ' ; A.' 20' D06 : 84549B' 73' ; 049B' 8 ; "0' .7' 50.849' 4.' : 05C8909."@' 86' 8' : 76G 6066479' 73' .20' 0C : 450 ' .5896 : 75.0D' .20' 4928 ; 4.89.6' 49.7' 60648 ' < 24=2' M8==75D49B' .7' 7 : 46=A6M .209' .77F' .20' 98C0' 73' . ' ' 75' 8=48' 79' .246' 64D0' .20' 89A ; 0# ".27AB2' 0?09.A8""@' =7C : 0""0D' .7' B4?0' <8@' ; 0375O' .20' 6.58.0B4=' 6F4#' 89D' 6A : 0547.5' D46=4 : "490' 73' .20' 4C : 0548"# "0B479G 8540 6 ' .20' 8=489' : 07 : "0' ; 7.2' ; 0375O' 89D' 83.05' .2045' 6A ; 0=.479' .7' .20' #7C896 ' 620<0D' .20CG 60""?06' .7' ; 0

57D4B8' B096' 8949900 ' 6.AD446SA0' 86 : 0554C8' ; 0""4*

W4"6:' .28.' .20'=049' 46' D0"4808.0D' 49' %A009' 2546G .498L6' 89D' .20' 859060' =8;490.6'⁝' 89D' 8:.849' C@.2' 97.06' 8' 64C4"85' .@:0' 73' 8D5489' 49' 246' 7<9' =7""0=.479≠ .' 46' 27<0?05' .7' ;0' 7;605?0D' .28.' =F20"' D06=54;06' .20' 3456.' 89D' 60=79D' ;5866' . ' 73' 8D5489L6' C49.' 86' :056794340D' ;@' 8' <7C89' <27' 27"D6' 49' 205' "03.' 289D' 8' =A5?0D' 6<75D' " ' % ' 9.' 8""' 9AC46C8.4=' D06=54:.479'6' 8B500' 86'.7' .20' C4"4.85@' 0964B96' ;0G 49B' :A.' 49.7' .20' 54B2.' 289D' 73' 20' =79SA050D' :57?49=0' 608.0D' 79' 8' 57=F 1 .20' "86.' 308.A50' 73' .@:434=8.479' D097.49B' .20' :0=A"485' 64.A8.479' 89D' 98.4798"' 28;4.AD06≠ 73' .20' 8=4896' 8""A64?0' .7' <24=2' ≠ "75489A6' M"4;≠ N' 68@6' .20' 8=4896' ="08?0' .7' .2045' C7A9.8496' " ') ' $ ' % 1 .'8::0856'357C' :85.489' .28.';03750' 20' 86=09D0D' .20' .25790' 8D5489' <86' .<4=0' 49' 8=48' 89D' .77F' :85.' 86' 89' 7334=05' 49' 58 89L6' .<7' 0I:0D4.4796' 8B8496.' .28.' =7A9.5@≠ .' .20' :0547D' 73' .20' 60=79D' <85' 20' =7CC89D0D' .20',6.' "0B479' 69C8C0D' (0' "0859' D46.49=."@' 3457C' A.57:4A6' M"4;≠ N' .28.' 86' 8D5489' 79' 8.' ;06.' 8' D7A;.3A'≠ :7"4=@' ;8D' B4?09' A:' :766066479' 73' @548' 067:7.8C48' 5C0948' 89D' 7.205' =79SA06.6' 73' 58 89' 49' .20' 86.' 67' 43' "03.' .7' 24C60"3' 20' <7A"D' 28?0' 50G 97A9=0D' 0?09' 8=48' 9A.' .28.' 20' <86' 7.205<460' :056A8D0D' ;@' 246' 35409D6' <27' 50C796.58.0D' <4.2' 24C' 8B8496.' 6A=2' 8' <4.2D58<8≠ 73' .20' "0B4796' ' ' ' 6 ')) ' *1' 75' 4CC0D48.0"@' 83.05' .20' 899018.479' 73' 8=48' .7' .20' 0C:450' ;@' 58 89' C89@' 7C89' =7"79406' <050' 06.8;"4620D' .2050' <24=2' <7A"D' 8"'' 28?0' ;009' 4CC0D48.0"@' 0I:760D' .7' 89D' 49' 6A;60SA09.' 504B96' <050' 8=.A8"'@' 58?8B0D' ;@' .20' 49578D6' 73' 3405=0' 090C406' <4.27A.' .20' C0896' 73' D0309D49B' .20C60"?06≠ 0' <86' .20503750' 42DA=0D' .7' C8F0' 97' =289B0' 49' .246' SA85.05' 0I=0:.' .20' D46G =50D4.8;"0' 790' 73' =8A649B' 58 89L6' =0"0;58.0D' ;54DB0' 7?05' .20' 89A;0' .7' ;0' .257<9' D7<9'⁝' "06.' M8==75D49B' .7' 479' ' 8≠ , N' .20' ;85G ;8548960' 627A"D' 7?05:7<05'.20' BA85D' 73'.20';54DB0' 89D' 09.05' r648≠ 46.754896' C8F0' 97' C09.479' 73' 89@' 7A590@' ;@' 8D5489' 49' .28.' =74C.5@' <209' 0C:0575*1 A.' 357C' 246' B07B58:24=8" =7496'4.' 46' .7';0' 4930550D' .28.' 20' ?464.0D' .20' 8=489' :57?49=0' 8"67≠ 90' 73'.2060'496=54;0D'67"0"@' <4.2'.20'98C0' ' :50609.6' 4.6' .@:0' 73' :05679434=8.479' 86' B4?09' 49' .20' 8;7?0' 89D' 7.205' 0I8C:"06≠ .2056' :A50"@' C4"4.85@' 50:08.' .20' 96A.D' .@:0' 73' 89' 0C:0575' 8DD506649B' 246' 67"D4056' <4.2' 8' =7550G :79D49B' "0B09D*1 00' 6 * "! ' "!" 20' ;;t' &50:7'49' 246' <75F' T' ' ' 30 ' I; N' 7;605?06' .28.' .2050' 850' 60?0G 58"' 496=54:.4796' 73' 8=48' <24=2' =7990=.' .20CG 60"?06' <4.2' .20' 246.75@' 73' 8D5489≠ 90' D0G 605?06' .7' ;0' =4.0D' 49' .246' :"8=0≠ ".27AB2' 4.' ;0' 73' 8' D8.0' :76.8547 5.7' .20' :57;8;"0' :0547D' 73' .28.' :549=0L6' 8D?09.' 49' .20' :57?49=0' @0.' .20' :A;"4=' <75F6' <24=2' 4.' C09.4796' C8@' ;0' 50B5.0D6' 86' 8' 506A".' 73' .28.' 7A590@≠ .' 50"8.06' .7' <8.05' =79G ?0@0D' 9 _ ' ! " A' 49.7' 40' 89=409.' =8:4.8≠ 73' 0=0;8"A6' <24=2' 28?49B' ;0=7C0' 8' ' 7C89' ="77?9@' 46' 50=75D0D' 79' 89=409.' C85;"06 1 E' 48' 48' # ' E 4 ' ' # n*1 20' 496=54:.479' 46' B4?09' 49' &5A.05' ' + ' + ' 0' ?7"≠ ,' ="II?44≠ H' * ≠ ≠ *1 ' <7C89' ="7.20D' 49' .20' 6.7"8' 6.89D6' 27"D49B' 49' 205' 54B2.' 289D' 8' 6.833 6A5C7A9.0D' ;@' 89' 866L6' 208D≠ 246' "0B09D' 89D' ?05@' 649B9"85' .@:0' :50609.' .20C60"?06' 79' B7"D' 89D' 64"?05' 86' <0"'' 86' 79' 3456.' 89D' 60=79D' ;5866' 73' 58 8AA6' 0=4A6* 9' =7496' 73' 58 89' M<4.2' "0B09D' 73' # ' ' % ' .20' B094A6' 73' .20' 8=489' :57G ?49=0' 46' 608.0D' 79' 8' 57=F' 27"D49B' 8' C4"4.85@' 6.89D85D' ' 89D' 79' =7496' 6.5A=F' 49' .20' :57?49=0' 4.60"3' A9D05' 24"4:' 609475' M<4.2' # ' ' 375' .2045' 50?0560' "0B09DM' .20' 68C0' :05679434=8G .479' 73' .20' :57?49=0' =855406' .20' ;09.' 6<75D' 73' 205' =7A9.5@≠ 9' .20' :50609.' 60=79D' ;5866' 73' 58 8AA6' 0=4446' ;7.2' .20' 8;7?0' C09.4790D' 8..54;A.06' 850' 7C4..0D' 89D' 49' .2045' :"8=0' 46' ="085"@' D46:"8@0D' .20' ?054.8;"0' 208D' 73' 89' 866* T' (28.' C8@' ;0' .20' C08949B' 73' .246' 6@C;7"' ' 628"'' 97.' M68@6 =F20"N' 49' .20' 8;609=0' 73' 89@' 89=409.' .06.4C79@' 8..0C:.' .7' :5797A9=0≠ 75' 43' 86' 67C0' 6A:.760' 89' 8""0B75@' 46' =79=08"0D' A9D05' 4.' .20' 546F' 73' ' 46' 49' .20' 58.47' 73' .20' ?8BA09066' 73' 8"'' 8"'0B75@' 89D' ,' 28?0' 89' 8?056479' .7' .20' .57A;"0D' 608' 73' =79 0=.A50≠ 96.08D' 73' .20' 866L6' ;08D' 9B0"496' 6006' 79' .2060' =7496' .20' 208D' 73' .20' 8=489' D58B79' 3410D' 79' 8' :7"0' .20' ;7D@' 89D' .84'" ;049B' "03.' 78.' 04.205' ;@' .20' =850G "0669066' 73' .20' C790@05' 75' .7' 6275.09' 246' "8;7A5' 75' 375' <89.' 73' 6:8=0' 49' .20' =749≠ "# ' ' ' ' ' , + ' 3' :≠ > ,N≠ (0' F97<' 49D00D' 357C' .20' 50"40?76' 79' 58 89L6' ="AC9' .28.' D58B796' 6A:.75.0D' 79' 6:0856' 605?0D' .20' 8=4896' 86' C4"4.85@' 6.89D85D6≠ ' <7A"D' 508D4"@' B4?0' 49' C@' 8D206479' .7' .246' ?40<' 73' .20' 6A;0=.' 86' <0' 627A"D' .209' 28?0' 8' .89B4;"0' :749.' .7' 6.85.' 357C' <4.27A.' ;049B' 50DA=0D' .7' .20' A9=05.849.406' 73' 8""0B75@≠ A.' 79' .20' C76.' :0530=.' 73' .2060' =7496' 67' "79B' 850' .20' 0856' 73' .20' 894C8"' 86' .7' "08?0' 97' D7A;.' 79' .20' C49D' .28.' .20@' 50:50609.' .2760' 73' 89' 866*U C79B' .20' C49.8B06' 73' 24"4:' 609475' .2050' 46' 8' =749' 496=54;0D' * !0!! ' ' 79' <24=2' 46' 8' <7C89' 6.89D49B' <4.2' 8' D58B79' 49' 205' 54B2.' 289D' ;@' <24=2' .@:0' 46' :57;8;"@' 49.09D0D' 790' 73' .20' D58B796' <24=2' 8C79B' .20' #7C896' SA4.0' 86' CA=2' 86' 8C79B' .20' ;85;85489' 98.4796' A60D' .7' ;0' =85540D' 6A6:09D0D' 357C' 8' :7"0' 49' .20' 3579.' 589F6' 73' 89' 85C@* 1 T' 3' .246' 208D' M7;605?06' =F20"N' ;0' =7C:850D' <4.2' .28.' <24=2' 8:.0856' 79' .20' =749' ;03750' A6' .20' D4330509=0' ;0.<009' .20' .<7' 496.89."@' 6.54F06' .20' 0@0≠ (270?05' 46' 49G ="490D' .7' 50305' .246' .@:0' 46' .57;8;"@' 49.09D0D' 790' 73' .20' D58B796' <24=2' 8C79B' .20' =@.24896' 46' 790' 73' :7""7L6' ?4=.4C6' 8==75D49B' .7' "0C096' "0489D54996

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73' 58 89' 850' 8"C76.' 8"<8@6' 85C0D' <4.2' .246' 649B"0E0DB0D' <08:79'<2402'=A5?06'6"4B2."@'67C0G .4C06'49<85D6' 67C0.4C06' 7A.<85D6' 2A.' 49' 790' 75' .<7' 496.89=06' .20' <08:79' 46' 6.584B2.' "4F0' .2760' A9D05' =7964D058.479# 9D' 99.4"' <0' D46G =7?05' 89=409.'6<75D6'<24=2' 850' =A5?0D'<0' CA6.' 86' 49' .20' =860' 73' .20' D7A;"0' 8I0' 89D' ;85;0D' 8?0"49' =7964D05' .20' 50:50609.8.4796' 5030550D' .7' 86' 28?49B' ;009' 493"A09=0D' ;@' .20' 389=@' 73' .20' 85.46.*U' :# E *

' # # #'# # # * *1 <7' 34BA506' ="7.20D' 49' .20' .7B8' 6A:G :75.49B' 8' B"7;0' 456.';5866' 73' 8D5489*

20' 8;7?0' 8::0856' 79' .20' 50?0560' 73' 790' 73' .2760' =7496' <24=2' 8"4F0' 49.0506.49B' 357C' .20' ;08A.@' 73'.2045'.@:06' 89D' 357C'.2045'=7990=.479' <4.2' 246.754=8'' 38=.6' 0I24;4.' 8' .20' ?8547A6' .4."06' 73' 2797A5' ;06.7<0D' .7B0.205' <4' .20' 4C:0548'' :A5:"0' ;@'.20' C:0575' 58 89' 79' .20' 375.A98.0' 8D5489' 246' 8D7:.0D' 6A==06675*1 20' 7;?0560' 73' .246' =749' 20856' .20' "89508.0D' 208D' 73' Y 8D5489' 89D' .20' 37""7<49B' "0B09D/ 6584954' 89' ' # '?B4 ' # E' ' # ' 4 ' &'# & #'# .7' <24=2' 49' 508D49B' 46' .7' ;0' 7490D' .20' "0B09D' 73' .20' 50?0560' 98C0"@' .?' ' # ' $ ' 88.C7' 6) ' ' 4 .' F ' ' ' # # 9D' .20' <27"0' 0IG :506606' 4.60"3' 86' 37 7<6/1 7' .20' C:0575' W685' 679' 73' .20' 4?490' 58 89A6' ABA6.A6' 58 89A6' 8D5489A6'.20' C76.' 0I=0""09.' ABA6G .A6 1 .20' &05C89 1 .20' 8=489' .20' 85.2489' 7?0504B9' 79.433' 0I05=4649B' .20' 54;994.489' 7<05' 796A"' 8.205' 73'.20' 7A9.5@'# @' D0G =500' 73' .20' 098.0'

9' 246' 8997.8.4796' 79' .246' =749' M:'# [' ') ' ' ' % 8?05=8C:' 83.05' B4?49B' 89' 8==A58.0' =7:@' 73' 4.6' 496=54:.479' 79' ;7.2' 64D06' 6.8.06' .20' .@:0' 73' .20' 50?0560'.7' 50:50609.' T' .20' 8D7:.479' 73' K4"496' 60685' C8D0' ;@' 8D5489' 49' "4F0' C89905' 86' 20' 28D' 24C60"3' ;009' 8D7:.0D';@' 58 89*U' 8?49B' B4?09' .246' 6.589B0' 49.05:50.8G .479' 73' <28.' 20' 8DC4.6' .7';0' 8' ?05@'=A547A6'=749' 8?05=8C:' :57306606' .7' 50=7""0=.' 97' 8A.275' <27' 28D'6:7F09' 739.' A9"066' 4.' <86' 9B="794' .7' .20' ,>[.2' :8B0' 73' <2760' <75F' 20' 0I:5066"@' 503056 1' 89D' <2050' 49D00D' 8' D0"4908.479' 73' .20' =749' 46' .7' 20' 3799D'# A.'67' 385'357C' ;08549B' 7A.' .20' D4=.AC' 73' 8?05=8C:' 9B0"794' 8DDA=06' 4.' 86' 89' 8DG D4.4798'' .06.4C79@' 73' .20' 0"74506.' F49D' .7' .20' .5A.2' 73' 246.75@' 86' .7' .20' 38=.' 73' 58 89L6 8D7:.479' 73' 8D5489 1 T' ?05@' 8A.275' M68@6' 20N' =79=A56' 49' 6.8.49B' .28.' 8D5489' <86' =7A649' .7' 58 89' <27' .257AB2' .20' 493"A09=0' 73' .20

! C:5066' "8.498' 8D7:.0D' 24C' 86' 246' 4C:0548'' 6A==06675# 246' 46' 509D050D' 6.4"'' C750' ="085' ;@'.20' =749' 73' 8D5489' 24C60"3*U 1 20' .8"489' 89.4SA85@' .209' D06=54;06'.20':75.584.'73' 8D5489' 79'.20'=749'49'SA06.479'86'.28.'73'8'@7A9B'C89' M<24=2' 4.' 46N' 89D' SA7.06' .20' "0B09D' 73' .20' 7;?0560' 86' B4?09' 49' .20' :50=0D49B' ="7"AC9*1' 9B0"794' =79="AD06' 86' 37 7<6/1 V' 246' =749' 50G :50609.6' 49' C@' 7:49479' .20' 8;7?0EC09.4790D' 8D7:.479' 89D' 8"67' 58 89L6' 8DC466479' 73' 8D5489' .7' 62850' <4.2' 24C' .20' B7?059C09.' 73' .20' 0C:450' .7B0.205' <4.2' 8' =79=066479' .7' 246' 8D7:.0D' 679' 73' .20' .4."06' A6A8""@' ;7590' ;@' .20' C:05756' 89D' 06:0=48""@' .2760' <24=2' .20' 098.0' 89D' 07:"0' =7930550D' 79' 24C60"3*U 1 =F2=' 0?4D09."@' .8F06' .20' 68C0' ?40<' 375'49' 97.4=49B' 8'6:0=4C09' 357C' .20' 40998' ='7""0=.479' M?4' [N' 20' D06=54;06'.20' .@:0' 86' T' 7 ' ' ; ' B ' * "498Q' ' ') ' ' 2' A.'8.' .20' 68C0' .4C0' 7;605?06' .28.' .246' =749' 89D' 67C0' 7.2056' 73' .20' 68C0' D8.0' M8' 9' , , N' 49' 8664B949B' .7' 8D5489' .20' 8:0""8.479' 73' # '# ' 46' 7::760D' .7' .20' 758="0' 73' 246.754896' " f ' % 1 00' <28.' .20' A.275' 73' . 0 '68@6' 79' .246' :749.' 49' ?44' :' [,[' 0.' 60S' "67' =796A".' 246' 894C8D?0564796' 79' .20' 98C06' <24=2' 8D5489' 866AC0D' ;@' 54B2.' 73' 246' 8D7:G .479' M?44' [, *N ' ' 97<' 8C46F' 75' 8G C86=7' 86' A57:0896' =8"' 4.' =48C' 75' 248C' 86' 4.' 46' 98C0D' ;@' .20' A5F6*1 20' C76.' 89=409.' =4.@' 73' 70"0E @548' M.20' 7""7<' @548N' 4.' 46' 64.A8.0D' 49' 8' ;08A.43A" 89D' 305.4"0' ?8""0@' 8.' .20' 377.' 73' 7A9.' 05C79' 357C' <24=2' 3"7<' .<7' 54?056' .20') ' 89D' .20' # + ' 3' .2060' C7A9.849' 6.508C6' C09.479' 46' C8D0' 49' 7"@' (54.' "E ' ;F' >' 02' [' ?' ,>N1T' 50' 97.' ;898' 89D' 285:85' 54?056' 73' 8C86=A6' ;0.G .05' .289' 8"' .20' <8.056' 73' 46580"' zU' 20' 375C05' :8660' .257AB2' .20' C4DD"0' 73' .20' =4.@' .20' 7.205' 57""6' 4.6' <8.056' 8C4D6.' B85D096' 89D' 75=285D6' ;0G @79D' .20' <8""6' ;7.2' 83.05<85D6' 994.0' 89D' 375C' 790' 54?05' 98C0D' .20' 25@67552786' 75' B7"D09' 54?05' M97<' .20' 8558D8N' 9' C750' 50C7.0' 89.4G SA4.@' .20' C0.57:7"46' 73' 27094=48' 89D' 49' "8.05' 8B06' =7C:50209D0D' 49' .20' :8.5485=28.0' 73' 9G .47=2' 8C86=A6' 46' 6.4"' 8==75D49B' .7' D06=54:G .479' .20' C76.' 8B5008;"0' 86' 4.' <86' 79=0' .20' C76.'=0"0;58.0D'=4.@' 49' .20' 86.' 79' 8==7A9.' 73' .20' B589D0A5' 73' 4.6' :A;"4=' 0D434=06' 89D' .20' 0"0G B89=0' 73' 4.6' :54?8.0' 28;4.8.4796' 793"4=.49B' 7:494796' 850' 09.05.8490D' 506:0=.49B' .20' 754B49' 73' .20' <75D' 8C86=A6' 8C79B6.' <24=2' 84""89.' " ' ' 4' >H>N' 6ABB06.6' 79' .20' 6.509B.2' 73' 8' 350SA09.' .@:0' 79' 4.6' =7496' .20' D054?8.479' .7' ;0' T'D' . ' ' ' + 2' M357C' .20' ;7@' 6=A6' 97A54620D' ;@' 8' 70N' 246' =4.@' 28D' 8.' 89' 085"@' :0547D' 357C' .20' 37A9D8.479' 4.6' 7<9' F49B6' K760:2A6' 0' =8:' N' 6:08F6' 73' D8DA6' 49' .20' .4C0' 73' 8?4D' 86' F49B' 73' 8G C86=A6' 89D' <2760' :76.054.@' 50.8490D' .28.' 57@8' .4."0' 89D' 8A.2754.@' .7' .20' .09.2' B09058.479*1' ?05.257<9' ;@' .20' 66@54896' 4.' ;0=8C0' 6A;G 0=.' .7' .20' 0"0A04D60' <2760' 6058' D8.06' 357C' .20' @085' 73' #7C0' >' H,>' @0856' ;03750' 2546.*1' 20' 58;4896' 6A;60SA09."@' B8490D' :766066479' 73' 4.' 89D' 8.' "09B.2' 7C:0@' 8990I0D' 4.' .7' .20' #7E

C89' 50 : A ; "4=# .' <86' 97.' C8D0' 8' =7"79@' A9.4"# .20' 504B9' 73' .20' 0C : 0575' 24"4 : : A6' 609475*# 9D' 8".27AB2' 79' =7496' 4.6' .4."0' 73' .8F06' : 50G =0D09=0D' 73' 4.6' D4B94.@' 73' C0.57 : 7"46' ?4\# " o ' ' 7# =# @0.' 4.' 28D' @4 7@0D' .20' "8..05' : 5057B8.4?0' "79B' ;03750' 4.' 7 ; .8490D' 4.6' =7"7948"# =2858=.05*# 9' C89@' =7496' <4.2' &500F' "0B09D6' 357C' 8D5489' .7' "0I89D05' 0?05A6' 46' 508D' + ' B4?09' .7' 4.' 86' 89' 2797585@' D46G .49=.479' 79' 8==7A9.' 73' .20' 8C : "4.AD0' 89D' 4CG : 75.89=0' 73' .20' : "8=0*

064D06' &500F' 8A.797C06' 89D' &500F' 4C : 0G 548"6' 49' ;5866' .2050' 850' ; 4"49BA8"# M?4\# &500F' 89D' % -' ;5866' =7496' 73' .246' =7"79@' D0D4=8.0D' =7960=A.4?0"@' .7' 24"4 : ' 609475' 89D' .7' .8= 48' 24"4 : ' A9475' 050994A6' .5A6=A6' 58 89A6' ==4A6' 50 ; 79489A6' &8""A6' 7"A6489A6' 0584E "489A6' 8"05489A6' 609475' &8""409A6' 89D' 8"7E 9498*# 2060' =7496' 850' 496=54 ; 0D' " o ' ' 2 ' 75' ' ' 75' # # ' 75' *

8==2A6' 89D' 4"09A6' <050' .20' .<7' .A.0"85@' D04.406' 73' 8C86=A6*# 0C : "06' <050' 050=.0D' .7' .2045' <75624 : ' 49' .28.' =4.@' 89D' .20@' 850' .@ : 4340D' 79' =7496' 73' 50 ; 79489A6' &8""A6' 89D' 24"4 : ' 609*

20637""7<49B' 850' 8C79B6.' .20' : 549=4 : 4D' .@ : 06' <24=2' 8 : : 085' 79' .20' 50?05606' 73' =7496' 6.5A=F' 49' .246' =4.@' <4.2' ; "49BA8"# "0B09D6/ 1

,# * 1 9' 60=79D' ;5866' 73' 50 ; 79489A6' &8""A6* 1 0D' .@ : 0' D06=54 ; 0D' 49' : # ,>M,*

>*# ' 3+ ' 1 9' 8' 5850' 60=79D' ;5866' 6.5A=F' 49' 2797A5' 73' 7"A6489A6' <4.2' .20' "0B09D' 73' ' . ' + ' .246' .500' 6.89D6' ; 0. <009' 8' 27560' 89D' 8' ; A""* 1 ^ 20' C089G 49B' 73' .246' 649BA"85' .@ : 0' 46' 385' 357C' 28?49B' ; 009' 68.4638=.754"@' 0I : "8490D*# 84""89. ' <27' 600C6' .7' 50 0=.' .20' 4D08' 73' 89@' "7=8"# 8""A6479' 49' .20' =860' : A.6' 4.' 49.0557B8.4?0"@' <20.205' .246' =7C ; 490D' B57A : ' 73' .20' .500' 89D' .20' .<7' SA8D5A : 0D6' C8@' 97.' 28?0' 8' C@6.4=' 64B9434=8.479' z 1 75' 89' 49B0G 947A6' =79 0=.A50' 600' .28.' 8A.275' ' ' ' 44*# WWW

9' 60=79D' 89D' .245D' ;5866' 73' 24"4 : ' 609475' 4"09A6' 6.89D6' ; 03750' 8' =@ : 5066' <24=2' .500' <86' 20"D' 49' ?09058.479' ;@' .20' 2=0A4=4896' ; 049B' 8==75D49B' .7' "A.85=; ' D0D4=8.0D' .7' .20' A9* 1 ' 84""89. ' 44*# : *# , ,*

H [

754B49' 73' 4.6' 50 : A.0D' 37A9D05* 1 84""89.' SA7.06' 67C0' 73' .20' 49.05 : 50.8.4796' : A.' A : 79' 4. ' ; A.' D706' 97.' 85BA0' 49' 38?7A5' 73' 89@' 73' .20C*# 0' 64C : "@' 50C85F6' .28.' .2060' 89D' 7.205' =7496' 73' 64C4"85' .@ : 0' 600C' 49.09D0D' .7' : 506052?0' 49' 50G C0C ; 589=0' .20' .58D4.479' 73' 6096' <27' 28?49B' ; 009' 0I : 760D' 49' 49389=@' <86' 6A=F"0D' ; @' 8' . ' 75' 30C8"0' D005' 89D' 83.05<85D6' 54649B' .7' 0C4G 909=0' "84D' .20' 37A9D .4796' 73' 8C86=A6* A.' 2050' "0.' .246' 0C4909.' 9AC46C8.46.' 73' .20' 60?09.009.2' =09.A5@' 6 : 08F' 246' 7<9' 609.4C09.6' 79' .246' : 749.' 49' 246' 7<9' <8@' 43' 97.' 49D00D' 49' 246' 98.4?0' .79BA0/ 1

T' 27A"D' <0' ?09.A50' M68@6' 84""89. ' ' ' 44*# : *# > ,N ' .7' 50B85D' .246' .@ : 0' 73' 8' ; 7@ 6A=F49B' 8' D70' 86' 50305549B' .7' .20' 754B49' 73' .20' =4.@' 73' 8C86=A6' 89D' 627A"D' <0' 3A5.205' 86605.' .28.' .20' 98C0' 4.60"3' 73' .28.' =4.@' 46' D054?0D' 357C' .20' <75D6' ' M.20' D70N' 89D' ' M.20' 27@N' .20' <27"0' 276.' 73' .20' "08590D' <7A"D' ; 0' 508D@' .7' =5@' 7A.' 8B8496.' A6/ "0.' A6' 97.<4.26.89D49B' : 57G : 7A9D' 7A5' 7<9' =79 0=.A506*# (28.' 46' .20' 4CG : 75.' 73' .20' ; 7@ 6A=F"0D' ; @' 8' D70' <27' 67' 350G SA09."@' 8 : : 0856' 79' .20' =7496' 73' 8C86=A6' z 1' 706' 97.' .28.' .@ : 0' 4""A6.58.0' .20' 246.75@' 73' 67C0' ; 7@' 97A54620D' ; @' 8' D70' A6.' 86' .28.' 73' .20' <7"3 6A=F"49B' #7CA"A6' 89D' #0CA6' D0 : 4=.6' .20' 3456.' C7D0' 49' <24=2' .2760' 49389.6' <050' 97A5420D' 89D' <86' 97.' 897.205' ; 7@' 64C4"85"@' ; 57AB2.' A : ' ; @' 88D005' MJ45D' ! ' DID4 : 8?N' 98C0D' 8==75DG 49B"@' + ' ' 20' 894C8*# ' 27<0?05' D054?06' 4.6' 98C0' 357C' F $ ' " ' % ' ; @' .20' 34BA50' 89.4 : 258646*# DD.0 : 2096' 49' 246' ' K) ' 6.8.06' .28.' 8C86=A6' <86' 67' =8""0D' 357C' ' 8' B489.*# 7<' .246' B489.' C4B2.' 28?0' ; 009' ; 57AB2.' A : ' ; @' 8' D005' 89D' 4.' 46' 8' 5086798 ; "0' =79 0=.A50' .28.' .20' 98C0' 73' .20' =4.@' +) ' <86' =7C : 7A9D0D' 73' .20' .<7' <75D6' + ' 89D' I : 1 ; A.' 43' .246' 0.@C7G "7B@' D706' 97.' C00.' <4.2' 8 : : 57 ; 8.479' <0' .8F0' 50G 3ABO' 49' 897.205' 37A9D05' 73' .20' =4.@' ; @' 98C0' . ' 83.05' <27C' 8C86=A6' .20' 97 ; "06.' =4.@' 49' @548' <86' =8""0D' 86' KA6.49' .2A6' 50"8.06' I I I ?4*# > 1 é 20' 98C0' <86' B4?09' .7' .20' =4.@' ; @' 4.6' F49B' . ' 49' <2760' 2797A5' .20' @54896' 50?0509=0D' .20' 60 : A"=250' 73' 246' <430' 58.246' 86' 8' .0C : "0' 89D' : 84D' 205' .20' 24B206.' 8D758.479' 86' 8' D04.@*L 1 0528 : 6' .246' F49B' 28D' ; 009' 0I : 760D' 89D' .09D0D' ; @' 8' D005' 89D' 67' ; @' .20' 8=.' 73' 6A=FG 49B' .28.' 894C8*' ' 20' : 749.6' .7' .20' C0C75@' 73' .20' 37A9D05' 89D' .20' 754B49' 73' .20' =4.@*U

9' 8' "08590D' 46605.8.479' 79' =05.849' =7496' 73' 8C86=A6' 49605.0D' 49' .20' 6 ' 0 ' M?7"# ?44*# @085' , ' : *# ,*# 0.' 60S*N *# K*# 0' (4..0' <27' 286' "A6.58.0D' 246' 6A ; 0=.' 254.2' 8 : G : 57 : 548.0' 09B58?49B6' 09.056' 8.' B508.' "09B.2' 49.7' .20' .58D4.4796' 73.09' 86' =79.58D4=.75@' 86' .20@' 1850' ?8547A6' <24=2' 28?0' ; 009' 3A594620D' ; @' C@E' .27B58 : 2056' ; A.' <24=2' M20' 7 ; 605?06N' 506A".' 49' 620<49B' 79"@' .28.' .20' 98C0' 73' .20' =4.@' 7<06' 4.6' 754B49' .7' 790' 73' .2760'@086/ ' ' 49' <24=2' .20' 89=409.6' 06 : 0=48""@' .20' &500F6' .77F' D0"4B2.*

T' @.27"7B4=8"# "0B09D6' M68@6' 49' 6A ; 6.89=0' .246' "4?49B' 509=2' 9AC46C8.46.N' 50"8.0' .28.' 8' : 05G 6798B0' 73' .20' 38C4"@' 73' .20' 085.2E ; 759' &489.6' ; 08549B' .20' 98C0' 73' ' M<27' 357C' 8' 9AC46G C8.4=' .@ : 0' 46' 6A : : 760D' .7' 28?0' ; 009' D0605.0D'

9' 60648' A:05475' M97<' 05?48N' 086.' 73' 4C4948=AC' M9085' <2760' 64.0' 46' .20' 6C8"" .7<9' 73' ".' &7"9A;8=N' 79' .20' 54?05L6' ;89F' <86' 8"4E' 8.46' 75' 8"48.8#' 085' .246' :"8=0' <86' 8' 54DBO' 73' 57=F6' 50C85F8;"0' 86' .27AB2.' .7' ;0' .20' 6:7.' <2050' .20' 89A;0' =289B06' 4.6' 98C0' .20' 086.059' :85.' 73' 4.' ;049B' =8""0D' 6.05' ;@' .20' 89=409.6' 86' .20' <06.059' <86' .05C0D' 89A;4A6# '"4.."0' 086.' 73' .246' :"8=0' <86 796' 58 8A4' M97<' =8""0D' 58 89L6' 7=FN' .20' ;54DB0' ;A4":' ;@' .20' C:0575' 58 89' .7' :866' 49.7" ' :57?49=0' 73' 8=48*1 00' :# A."05' 4 ' : :# , 1 , a 1 , a[' <2760' 8==7A9.' :7557;758.06' .20' 86605.479' 73' +4:2 4976' 8;7?0' =4.0D' .28.' 58 89L6;54DB0' <86' ;A4":' 7?05' .28.' :85.' 73' .20' 54?05' 89=409."@' 08""0D' .20' 6.05* ' 8 83.' ' # 4:4' M 796A"# 375' .20' 343.2' .4C0' 8.205' 73' .20' 7A9.5@' I=0""09. 549=0N# 20' 89A;0' A9D05' .20' 375C' 73'8;085D0D' C89'=57<90D' <4.2' '500D6' 49' 8' 50=AC;09.' :76G .A50# 20' 54B2.' 289D' 73' .20' :05679434O0D' 54?05' 46' 0I.09D0D' .7' 8' B8""0@' .20' "03.' 506.6' A:79' 246' A59/ 8' D58:05@' 46' :"8=0D' A9D05' .20' 85C6' 73' .20' B7D' 8' :75.479' 73' <24=2' 34""0D' ;@' .20' <49D' 347F.6' 60C4E=45=A"85"@' 8;7?0' 246' ;08D*

246' 50?0560' <24=2' 8:-0856' 79' B7"D' 86' <0"" 86' 64"?05' 73' 58 89' <86' 6.5A=F' 49' .20' [.2' @085' 73' 7590' 9 ' ', [N' 83.05' .20' :8668B0' 73' .20' 89A;0' ;@' .20' "0B47985@' .577:6# 20' 38C7A6' 54?05' <2760' 98C0' 7==A:406' .20' 0I05BA4' <86' 49G D00D' <0"" <75.2@' 8' :"8=0' 79' =7496' ;7.2' 79' 8=G =7A9.' 73' 4.6' ="760' :57I4C4.@' .7' .20' 6=090' 73' =79G 3"4=.' 49' .20' 8=489' <856' 89D' 8"67' ;0=8A60' 4.' ;8D' .7' ;0' =57660D' ;@' .20' 4C:0548"# 375=06' 49' 5D05' .7' 508=2' .20' 090C@L6' .0554.75@# A.' .20' 24B206.' B"75@' <86' B8490D' ;@' 58 89' 79' .20' 54?05' 4.60"3' <209' 20' 8D7590D' 4.' <4.2' 8' 6.790' ;54DB0 1 8' <75F' <24=2' 43' =50D4.' C8@' ;0' B4?09' .7' 479L6' D06=54:G .479' M25?44#' 4' ,HN' 385' 6A5:8660D' 8""# 7.2056' ?8=G =7C:-1620D' ;@' .20' .2:-549=0' 89D' <24=2' 3A594620D' :5773' .28.' 6=85=0"@' 89@' 09.05:5460' 46' .77' ?86.' 375' .20' B094A6' 285D4277D' 89D' :0560?0589=0' 73' C89# ^ .' <86' HH>[' 9B"462' 300.' 49' "09B.2Q*1 0859OD' <54.056' 28?0' 4C8B490D' .28.' .20@' 50=7B9460D' .20' 85=24.0=.A58"# 308.A506' 79' .20' =7"AC9' 73' 58G 89' 6.4 ' 6009' 8.' #7C0' M89D' 49D00D' 4.' 46' D7' B4?09' 49' 8;"0' ' 60BC09.' I I4?# 7# > ' 73' 8' 605406' 73' 09B58?49B6' :"8=0D' 8.' .20' 09D' 73' ' V'- ++' 6 ' 8 - C79B' 7.205' :8668B06' 49' 479L6' D0.84"0D' 8=G =7A9.' 73' .246' B4B89.4=' 6.5A=.A50' 46' .20' 37""7<G 49B' / 1 T' 58 89' =8A60D' .28.' 6.790' ;54DB0' .7' ;0' ;A4":' 79' .20' 89A;0' 73' <24=2' ' =8997.' 6A334G =409."@' 01:5066' C@' 8DC458.479# 75' 8".27AB2' .2050' 850' C89@' 7.205' C8B9434=09.' <75F6' 73' 246' @0.' .246' ;54DB0' 385' 6A5:8660' .20C' 8""*U 1 20' 68C0' 8A.275' 09.056' 49.7' =7:47A6' :85.4=A"856' 79' .20' 6A;0=.' 6.8.49B' 375' 018C:"0' 27<' C89@' :4"06' 4.' <86' 6A:-75.0D' ;@' .2045' 204B2.2' 89D' ;508D.2' 8DD49B' <28.' D46.89=0' .2760' : 06' =79 7490D' ;@' 85=206' <050' 357C' 08=2' 7.209' .' C8@' ;0' 4C8G B490D' 27<' C89@' 89D' 27<' B508.' <050' .20' 7;6.8G ="06' .7' ;0' 7?05=7C0' 49' 75D05' .7' 050=.' 6A=2' 8' ;54DB0' 7?05' 8' 54?05' 67' ;578D' 89D' 67' D00:' 86' .20

89A;0# :7 7D75A6' 8C86=09A6' 46' 98C0D' 86' .20' 85=24.0=.*

(54.056' 27<0?05' M 8564"4A6' 89D' #04C85' 8C79B' 7.2056N' 850' 97.' <89.49B' <27' 28?0' 54B75G 7A6"@' 018C490D' .28.' :8668B0' 73' 479' 49' <24=2' 20' D06=54;06' .20' ;54DB0' 89D' .2060' D09@' .20' :7664;4"4.@' 73'50=79=4"49B' .20' C086A50C09.6' .2050' B4?09' <4.2' .20' 5A"06' 73' 85=24.0=.A50# 20@' 68@' .28.' 67' 385' 86' =89' ;0' B8.2050D' 357C' .20' 50C8496' <24=2' 850' 01.89.' 8.' .20' :50609.' D8@' 8.' .20' T' 579' &8.0U' "+ '$ %' ;0.<009' 05?48' 89D' (8"E "8=;48' .20' 09.450' <75F' =7A"D' 97.' 28?0' ;009' 67' "85B0' 86' 46' 50:50609.0D' 89D' .28.' :4"06' 79"@' 73' .20' ;54DB0' <050' 73' 6.790' <24"6.' .20' 85=206' <050' 73' <77D# ==75D49B' .7' 57=7:4A6' 8.' 08=2' 09D' 73' .246' ;54DB0' 6.77D' 8' =86."0' M75' 375.N* 1 00' =F20"L6' 7CC09.85@' ?4# , ' 0.' 60S* 20' 7;?0560' 73' .20' =749' 0124;4.6' .20' "89508.=D' 208D' 73' 58 89' .7' .20' 54B2.' ;08549B' .20' fB46' <4.2' .20' 37""7<49B' "0B09D 1! # ' * ! ' ' % #' #:' # #' :' 7' .20' C:0575' 58E' 89A6' ABA6.A6' .20' &05Cg94=76' .20' 8=4=A6' 7?0504B9' 79.433' M49?06.0DN' <4.2' .20' .54;A94.489' :7<05# 20' 64"?05' 8"790' M357C' 8' 6:0=4C09' 73' <24=2' .20' 8;7?0' =A.' 46' =7:40DN' 46' =8.8"7BA0D' ;@ 47990.' 89D' F05C89# 20' B7"D' 46' ;08A.4G 3A""@' 09B58?0D' 49' + ' ', + ' :85' # 2# 0975C89.' :# ' 7# ,H* .' <86' 97.' .7' ;0' 01:0=.0D' .28.' 8D5489' <7A"D' 28?0' 6.5A=F' 8' =749' 8"""A64?0' .7' .28.' C4B2.@' 6.508C' <2760' 98C0' <86' 8667=48.0D' <4.2' 246' :50D0=06675L6' =79SA06.6' 375' 8D5489' =8A60D' .20' #7C89' ;54DB0' 7?05' 4.' .7' ;0' D06.57@0D# A.' 4.' 46' 649BA"85' .28.' <4.2' .20' 01=0:.479' 73' .20' =749' 8;7?0' D06=54;0D' 89D' =7CC09.0D' A:79' .2050' 627A"D' 97.' 49' .20' 305.4"0' C49.6' 73' 58 89' ;0' 89@' 496.89=0' 49' <24=2' .20' <75D' ! '75' $! ' 375C6' :85.' 73' .20' "0B09D' 79' S' =79.0C:758907A6' =749' 73' 246# 2050' 46' 49D00D' 8' 3456.' ; 6' 73' .28.' 0C:0575' ;08549B' .20' D8.0' 73' 246' 343.2' =796A"8.0' 79' <24=2' .20' C76.'49.0 4B09.' 9AC46C8.46.6' 86' <0 ' 73' .20' :50609.' D8@' 86' !4' .20' 0"D05' 6=277"' 50=7B9460' 790' 85=2' 73' .20' ;54DB0' 49' SA06.479' M600' # %' ;A.' 4.' 46' 79"@' :57;8;"0' =79 0=.A50' 97.' :764.4?0' 4D09.434G =8.479# 97.205' 3456.' ;5866' 73' 58 89' M=7CC79' ;A.' 73' B77D' D064B9' 89D' <75FC89624:N' 46' B090G 58""@' 50B85D0D' 86' 28?49B' ;009' C089.' ' 6@C;7G "4\0' .20' 89A;0' 89D' .7' 50305' .7' .20' 3456.' ?4=.75406' 73'4C:0548"# #7C0' 7?05' 205' ;58?0' 8=489' 370' ?4*/ 6 *1 # # jK# # ' # # # ' 54?05EB7D' 27"D49B' 8' 500D' 49' .20' "03.' 289D' :506606' <4.2' .20' 54B2.' F900' 79' .20' .24B2' 89D' <4.2' .20' 54B2.' 289D' 79' .20' 90=F' 73' 8' 50=ACG ;09.' C8"0' 34BA50' ="7.20D' 49' .20' 8=489' 28;4.* A.' .246' 46' 8""0B75@' 73' <24=2' .20' C08949B' C8@' ;0' 6250<D"@' BA0660D' 8.' 97.' .20' 7:09' 50=75D' 89D' .@:434=8.479' <24=2' C4B2.' 28?0' ;009' 01G :0=.0D' 50"8.4?0' .7' 89' 0?09.' 67' 4C:75.89.' 86' 58G 89L6' 3456.' 6A==06606' 79' .20' 89A;0*1 00' $! *. * T' 20' :05679434=8.479' M68@6' =F20"' 49' 246' 97G .4=0' 73' .246' =749' ?4# , N' 86' D46:"@0D' 79' .20' 8;7?0' =749' 8:-0856' ;@' .20' B06.A50' 73' "8@49B' ?47"09.' 289D6' 79' .20' :576.58.0' 8=489' .7' 49.4G C8.0' .28.' .20' 54?05' 8"67' 28D' 67C0' 62850' 49' .20' C054.' 73' 50DA=49B' .28.' 98.479# 28.' 8' 3"00.' 508""@' 28D' 4.6' 6.8.479' 49' C648' 89D' =7960SA09."@

79' .20' 89A;0' .7' 50:5066' .20'49=A564796' 73' .20' ;85;854896'46' :57?0D' ;@' 89'496=54:.479' :A;"4620D' ;@' &C.05' M:# [[' 4*N' 49' <24=2' C09.479' 46' C8D0' 73' 8' ' I ' N

20' 37""7<49B' 97.4=0' 73' 8' ;5866' C0D8""479'50G "8.06' .7' 897.205' ;54DB0' 7?05' .20' 89A;0' 684D' .7' ;0' .20' <75F' 73' 796.89.490' .20' &508. 1

' +4C<6' &864<*1' A6.' 73' 796.89.490' .20' &508.' .7' .20' 54B2.' D48D0C0D*

6 1 ' ' '6.790' ;54DB0' 73' .2500' 85=206' 7?05' <24=2' 4=.75@' <8"F49B' =855406' 49' 205' "03.' 289D' 8' .57:2@' 506.49B' 79' 205' 627A"D05' 89D' <4.2' 205' 54B2.' 289D' :749.6' 7A.' .20' <8@' .7' .20' 0C:0575' <27' 37""7<6' <4.2' 6:085' 89D' ;A=F"05# .' .20' 01.50C4.@' 73' .20' ;54DB0' 8' ;85;85489' F900"49B' 27"D6' A:' 246' ;89D6' 49' 89' 8..4.AD0' 73' 6A::"4=8.479' .7' ;7.2# 0"7<' 46' .20' 34BA50' 73' 8' 54?05EB7D' 49' 8' 50=AC;09.':76.A50' <4.2' 54B2.' 289D' A:"43.0D# 9' .20' 0105BA0' .20' <75D' *

' ;5866' C0D8""479' =75506:79D49B' 49' "0B09D6' 89D' .@:06' <4.2' .20' 79R'8;7?0' D06=5420D' 46' 49' .20' 8;490.' 73' .20' 4;"47.2kSA0' 8.4798"0' 8.' 8546# A5' <77DE0A.' 46' 83.05' 8' =86.' 357C' .28.' 754B498""# 0""0549' " = ' ,' :4# 144# 7# H' :# >,[N' :A;"4620D' 8' 6:0=4C09' 73' 4.' <24=2' ="760"@' 8B5006' <4.2' .28.' 49' .20' 509=2' 8;490.' .7' <24=2' B589D' 50:05.75@' 4.' <86' :57;8;"@' 83.05' 246' D08.2' .5896G 30550D' <4.2' 9AC057A6' 7.205' C0D8"6' 357C' 246' 7<9' =7""0=.479*

9' 5030554 9B' 246' 508D056' .7' .246' C0D8""479' 0 0549' 68@6 1 T' .' 620<6';@' 4.6'.@:0' .28.' 79G 6.89.490' 28D' :8660D' .20' 89A;0' 79' 8';54DB0' 89D' B8490D' 8' ?4=.75@' 49' .20' =7A9.5@' .257AB2' <24=2' 4.' 3"7<6' 04.205' 7?05' .20' 85C8.4896' 75' 7?05' .20' &7.26' 75' 7.205';85;854896' <4.2' <27C' 20' <86' 8.' <85# .' 46' 6.8.0D' 49' .20' 25794="0' 73' "0189D548' 89D' 49' .20' 246.75406' 73' ;7.2' .20' 4=.756' .28.' .246' 0C:0575';A4".' 79' .20' 89A;0' 8' 6.790';54DB0' 73' .2500' 85=206' 79"@' 86' .28.' 600C6' .7' ;0' <24=2' 46' 50:50609.0D' 79' .20' C0D8"G "479' 2050' B4?09# 0859OD' C09' 28?0' ADB0D' 4.' 6085=0"@' :7664;"0' 357C' .20' <4D.2' 89D' D0:.2' 73' .20' 54?05' 49' .28.' =7A9.5@' .28.' 8';54DB0' 73' 6A=2' 8' F49D' 627A"D' 28?0' ;009' 050=.0D' .2050' 89D' 209=0' .20@' 28?0' "77F0D' A:79' .20' C0D8""479' 86' 6A6:4G =47A6" ' + %' 0?05.20"066' 246.754896' 89D' =7496' 73' 58 89' "08?0' 97' 577C' .7' D7A;.' ;A.' .28.' .28.' 0C:0575' ;A4".' 79' .20' 68C0' 54?05' 8' ;54DB0' <24=2' 479' 286' D06=54;0D' 89D' 0?09' B4?09 .20' D4C0964796' 73' 4.6' ?8547 96' :85.6# .' 46' ?05@' :7664;"0' .28.' .20' ;54DB0';A4".;@ 796.89.490' 28D' C750' .289' .2500' 85=206# 2050' <86' 97' 7==86479' .7' 50:50609.' .20C' 8""# 49' 75D05' .7' 4C:85.' 89' 4D08' 73' 4.6' =796=5A.479' 89D' .7' =79?0D@' 8' F97<"0DB0' 73' .20' C4"4.85@' 01:"74.' <24=2' 4.' <86' 49.09D0D' .7' D064B98.0' ;@' .20' 68C0' .@:0*U' M:# >,[E, N*

0F20"' <27' .508.6' <4.2' D7A;."066' <0""EC0G 54.0D' =79D0C98.479' 897.205' C0D8""479' 73' .20' "85B06.' 64\0' 49' .20' 40998' =8;490.' <24=2' ;0856' .20' 68C0' "0B09D' 73' 50?0560' ;A.' 97.' .20' 68C0' .27AB2' 49' 67C0' 506:0=.6' 8' 64C4"85' .@:0' 286' 289D"0D' .20' ="84C6' 73' .20' :50609.' 790' .7' ;0' 50G B85D0D' 86' 8A.209.4=' <4.2' ?05@' "4..""0' C750' 49G DA"B09=0# 0' 7;605?06' .28.' T' .20' 628:0' 73' .20' "0..056' A:79' 4.' + ' ' +3') ' ' ' '

' 68?74<6' 73' .20' .4C0' 73' 057' 75' .2050G 8;7A.6' 89D' .28.' 4.' D706' 97.';0"79B' .7' .20' 8B0' 73' 796.89.490*U' 0 627A"D' 97.' ?09.A50' .7' D46609.' 357C' .20' B508.' C86.05' 89D' 24B206.' 8A.27G 54.@' 49' 9AC46C8.4=' 6=409=0' D4D' 20' 97.' 24C60"3' :"849"@' 49.4C8.0' .28.' 20' 28D' 90?05' 6009' .20' 754G B498"# :40=0' 73' <24=2' 0 0549L6' <75F' 28D' 3A5G 94620D' 24C' <4.2' 8' =7:@# 04.205' 286' 4.' 38""09' .7' 7A5' "7.' .7' 28?0' 6009' .20' C0D8""479' 4.60"3' ;A.' <0' 97<' <54.0' <4.2' 8' 6F4"3A""@E.8F09' =86.' 357C' 4.' ;03750' A6' 89D' 83.05' =7C:8549B' .20' "0..0549B' 79' ;7.2' 7;?0560' 89D' 50?0560' <4.2' .28.' 73' 7.205' C0D8""4796' 73' .20' 68C0' 504B9 1 M375' 018C:"0' .20' + # #' 4? ' & ! A' (0' <4.2' D0G 30509=0' ;A.' <4.27A.' 2064.8.479' 83345C' .28.' .20' =79375C8.479' 73' .20' "0..056' 0124;4.0D' 79' .20' 'C0D8""479' 73' .20' 09=2' CA60AC' :05G 30=."@' 8664C4"8.06' 79' ;7.2' 64D06' <4.2' .28.' 73' .20' 790' A6.' =4.0D' 86' 8' <0""EF97<9' 6:0=4C09* 1' 9D' <4.2' 506:0=.' .7' 0""0549'6' :549.' 73' 246' 7<9' =749' .20@' <27' 850' C76.' 38C4"485' <4.2' .20' 6.@"0' 73' 9AC46C8.4=' 09B58?49B' 8D7:.0D' ;@ .20' 85.46.6' 0C:"7@0D' .7' 4""A6.58.0' .28.' 0C4909.' 89.4SA85@L6' 9AC057A6' ?7"AC06' <4""' <0' ;0"40?0' ;0' 8C79B6.' .20' C76.' 508D@' .7' 8=F97<"0DB0' .28.' .27AB2' .20' 3+ '73' 246' =749' 850' D0"4908.0D' <4.2' =7C:858G .4?0' .5A.23A"9066' @0.' 97' 50B85D' 46' :84D' 49' .20C' .7' .2760' :0=A"4854.406' 73' "0..0549B' <24=2' D46.49BA462' .20' 506:0=.4?0' 8B06' 73' .20' 7C89' =7498B0' ;A.' .28.' 79' .20' =79.585@' 8""# 246' "0B09D6' 89D' 496=54:G .4796' <20.205' &500F' 75' 8.49' 0124;4.' 8' A94375C' 68C0906 6' 73' =2858=.05*

8?49B' .2A6' 09D08?7A50D' .7' C00.' .2760' 85BAG C09.6' 8B8496.' .20' 50=7B94.479' 73' .246' =749' 86' 8' B09A490' 89.4SA0' <24=2' 850' D054?0D';@' .20"0850D' A.275' 73' ' 8==75D49B' .7' 246' 6A:::764G .479' 357C' 4.6' <75FC89624:' 4.' C4B2.' 6A334=0' 375' A6' 2050' .7' ="760' <4.2' 64C:"@' 8DD49B' .28.' 47AE' 90.' 49' 246' 6 ' ' = '6 '9 ' 44# :# >H N' D06=54;06' .20' "0B09D' 89D' .?:0' 73' .246' 50C85F8;"0' 50?0560' 9085"@' 49' .20' .05C6' 8;7?0' SA7.0D' 8AD' B4?06' 246' 8"*.06.8.479' .7' .20' B09A490G 9066' 73' .20' C0D8""47 ' ;@' 8334149B' .7' 4.' .20' ?8"A0' 73' ,[' 3589=6*1 A.' 49' A6.4=0' .7' 6A=2' 85BAG C09.6' 86' .20' 4""A6.547A6' 9AC46C8.46.' 73' 40998' 0C:"7@6' 357C' 246.754=8" 67A5=06' .7' 6A:::75.' 246' 6A6:4=4796' 73' 0""0549L6' =749' 8' "AC497A6' :8668B0' 357C' =F20"L6' =7CC09.85@' M600' ?444# E N' 46' 2050.7' 6A;7490D' 89D' .20' 508D05' "43.' .7' 375C' 246' 7<9' ADBC09.' 79' .20' 6A;0=.' 1

T' 20' ?86.9066' 73' 6A=2' 89' A9D05.8F49B' 86' 2

H, * # *

6.790' ;44DB0' 7?05'.20' 89A;0' <2050'4.6' 6.508C' 46' 67' <4D0' 86'4.' 46' 49' 60648' :50?09.6' 7A5'8==75D0 49B' 89@' =50D09=0' .7' .20' 2579 4=79' 73' "0I89 D548' 34""0D' 86' 4.' 46' <4.2' 67' C89@' 7"D' <7C89L6 .8"06# 9D' 49D00D' 28D' 4.' ;009' =796.5A=.0D' 73' =0C09.0D' C8.0548"6' .2050' <7A"D' 73' 90=00664.@ 28?0' 50C8490D' 67C0' ?06.4B06' 73' 4.' 0?09' .7' .20' :50609.' D8@' 86' 46' .20' =860' <4.2' .20' ;54DB0' 73' 58 89' 9085"@' .<7' =09.A5406' 7"D05' .27AB2' 0?09' .2060' 850' 97.' 37A9D' .7' 0I.09D' =7C:"0.0"@' 8=5766' .20' ;0D' 73' .20' 54?05#' 8C' 8<850' .28.' 796.89G .490' # # H, ' :"8990D' 8' 6.790' ;54DB0' 7?05' .20' #2490'8.' B54::498' M 7"7B90N'73' <24=2'38=.' .2050' =89' ;0' 97' D7A;.' 649=0' A58094A6' 86605.6' 4.' 49' .20' :890B@54=' <24=2' 20' D0"4?050D' 49' .20' :50609=0' 73' 796.89.490' " +33 ' ?44# =2# ,HN# A.' 8.' .20' .4C0' <209' AC0A4A6' A60D' .2760' 0I:50664796' .20' ;54DB0' <86' 79"@' A6.' ;0BA9' 89D' .28.' .20' <75F' <86' 49.055A:.0D' 46' 4930550D' ;@' "0859OD' <54.056' 357C' .20' 38=.' .28.' 97' 50C8496' 73' 67' ?86.' 8' <75F' 850' .7' ;0' 37A9D' 79' .20' 6:7.' 49' .20' 54?05G ;0D# 9D' .28.' .20' D064B9' 73' 8' 6.790' ;54DB0' 7?05' .20' 89A;0' <86' "48;"0' .7' B508.05' 7;6.8="06' .289' 8' "4F0' <75F' 7?05' .20' #2490'46' 0?4D09.' 357C' .20' 6A:054754.@' 73' .20' 375C05' 54?05' 49' 60648' .7' .20' "8..05' 49' .20' ?7"ACO' 73' 4.6' <8.056* 1' 20' .06.4C79406' 73' ;7.9' .20' 4=.756' <24=2' C89@' SA7.0' 79' .246' 6A;0=.' "08D' .7' 97' :58=.4=8" D0=4G 6479' 86' .20' 790' 49' 246' 796.89.490' 68@6 1 é ' ;54DB0' <86' ;A4".' 7?05.20' 89A;089D'.20' 7.205 (V 0' M4# 0# 796.89.490N =796.5A=.0D' 8' ;54DB0' 7?05' .20' 89A;0;A.' 904.205' 73' .20C' .0"" A6' .28.' 4.' <86' 73' .' .'46' C750' :57;8;"0' .2050G 3750' .28.' 4.' <86' 8' ;54DB0' 73' ;78.6' <24=2' 6A:0 :7649B' 4.' .7' 28?0' ;009' :A.' .7B0.205' 8.' .20' :749.' <2040' .20' 54?05' 286.096' .7' 4.6' 7A."0.' 89D' 46' 6<0""0D' .7' 89' 4CC0960' ?7"ACO' ;@' .20' =7C;490D' <8.056' 73' =09.58"# A57:0' 4.' CA6.' 28?0' ;009' 8' <75F' 97.' 49305475' 49' C8B94.AD0' .7' .28.' 73' +0510G 7?05' .20' 0""06:79.' D06=54;0D' 8.' "85B0' ;@' 67' C89@' <54.056# .' <86' 8.' 8;7A.' .20' 68C0' 6:7.' .28.' 854A6' .20' 679' 73' @6.86:06' 49' .20' 49?8G 6479' 73' =@.248' =57660D' .20' 89A;0' <4.2' 246' 375=06' ;@' 8' ;54DB0' 86' 50=75D0D' ;@' 057D7.A6' .58;7' M?44# :# aN' 89D' 57BA6' ;A.' .246' 8"67' <86' =7C:760D' 79"@' 73' ;78.6# 8564"4A6' 6:08FG 49B' 73' .246' ?8A9.0D' ;54DB0' 73' 796.89.490 1' " . ' 44# :# H NR 68@6' .28.' 28?49B' 6085=20D' .20' <27"0' 6.508C' .257AB27A.' .246' .58=.' J3' =7A9G .5@' <4.27A.' D46=7?0549B' .20' 50C8496' 73' 67' B508.' 8' <75F' 20' <86' 49375C0D' ;@' .20' 4928;4.89.6' .28.' <209' .20' 54?05' 6A;64D06' ;0"7<' 8' =05.849' "0?0" ' .2050' 8::085' 8;7?0' .20' 6A538=0' 67C0' <77D09' :4"06' 8' "4.."0' 24B205' A:' .289' .20' :"8=0' <2050' .20' "A.8' C49B"06' <4.2' .20' 89A;0E' ' =89' 6=85=0"@' =50D4.' .20' 38=.' 73' .20' 50C8496' 73' 8' <77D09' ;54DB0' ;049B' 0I.89.' 83.05' 8' "8:60' 73' .245.009' =09G .A5406' 89D' C750' ;A.' "0.' 7.2056' 49SA450' 49.7' .20' .5A.2' 73' .246' 6.8.0C09.# .' 46' 6A334=409.' 375' C@' :50609.' :A5:760' .7' F97<' .28.' 8564"4A6' 83.05' 8' D4"4B09.' 49?06.4B8.479' 73' .20' <27"0' 904B2;7A5G 277D' 89D' .20' =7A560' 73' .20' 54?05' D46=7?050D' 97' ?06.4B06' 73' 8' ';54DB0' ;A4".' ;@' 796.89.490# 9D' =7960SA09."@' .4"" ;' 349D' 6A=2' 8' =749' 86' .20' 790' 49' SA06.479' 8::57?0D' ;@' 60?058" 9AC46C8G .46.6' 73' 8=F97<"0DB0D' 0C4909=0' ' CA6.' ;0' 8"G "7<0D' .7' D7A;.' .20' 38=.' 73' 8' 6.790' ;54DB0' 7?05 .20' 89A;0# 3' 27<0?05' <0' 8""7<' .2060' =7496' .7' ;0' 8A.209.4=' AC094A6' M?44# :# aN' 0'286' A60D' C76.' B58:24=' "89BA8B0' 49' 8==75D89=0' <4.2' .2045' R .@:0/1 e 9D' 8;7?0' 8"" ' ;@' ;A4"D49B' .20' ;54DB0' 8.' B54::498' @7A'.58C:"0' A:79' .20' 50C989.' 73' 8' <50.=20D' :07:"0' :50?09.49B' .2045' 0.05' "8@49B' 864D0' .2045' .055756' ;A.' F00:49B' .20C' 0?05' 49' 8"85C ' ' ' ' ' ' ' + + V' W

1 246' <75D' 79' 8' .245D' ;5866' 73' 58 89' 46' 8==7C:8940D' ;@' '.@:0' 49' <24=2' ' <7C89' 6.89D6' <4.2' =759E0856' 49' 790' 289D' 89D' B8.20549B' 205' 57;0' <4.2' .20' 7.205

=F20'# ="86606' .246' 97.' <4.2' .20' =7496' 73' #7E' L' C89' 38;54=' 89D' 73' 098.7548'# 8A.2754.@' ;A.' 8C79B6.' <28.' 20' .05C6' ' *1 ' 0' 7;605?06 1 T' 85D8948' <86' 8' 50B479' 64.A8.0D' 49' ::05' 00648' 7?05' 8B8496.' 8=0D7948' 89D' 73.09' C09.4790D' ;@' 89=409.' 246.754896' 86' <0"" 86' B07B58:2056' 89D' 79' 8' C85;"0' 73' .20' 8B0' 73' 58 89' # 034A6' 46' =8""0D' # * % ' o ' * .' 7 1 ' 246' 8:: 0""8.479' 73' 4.6' D46.54=.' =79G .49A0D' 86' "79B' 86' .20' 504B9' 73' 47="0.489' 375' 50;0""4A6' 7""47' 6.8.06' .28.' 85D8948' <86' .20' ;45.2E:"8=0' 73' "8AD4A6' &7.24=76# 7<' 4.' 46' =05.849' .28.' 49' .246' .58=.' 73' =7A9.5@' .2050' <050' C4906' <24=2' 28?49B'.8F09' .2045' 98C0' 357C' .28.' 50B479' 6A:."40D' C0.8" ' <2050<4.2' "4F0' .2760' 73' 8"C8.48' 89D' 8997948' =7496' <050' 6.5A=F' <4.2' .20' 0:4B58:2' 64C:"@' 73' * !"!' 6A:G :506649B' .20' <75D' oo!' ;@' <24=2' # .' 4=4' o 9 !"!A' 89D' o#! !' 850' :50=0D0D' 79' 7.205' C0D8"6' 73' 8' 64C4"85' 98.A50' <24=2' .20' 49DA6.5@' 89D' 8?854=0' 73' .20' #7C896' 06.8;"4620D' 89D' =45=4"8.0D' 49' ?8547A6' :57?49=06' 89D' 73' <24=2' .2050' 0I46.' 60?058#" 496=54;0D' <4.2' .20' 98C0' 73' 58 89' 89D' 73' 8D5489*U 1 00' * ' ' '?7"# ?4# :# * ++ *1 20'!@085' 73' #7C0' ' 9 ' ' ,>,N'8::0856' 79' 8' =749' 73' 8D5489' <24=2' 6.5A=F' 49' .20' .44X' @085' 73' 246' 504B9' 50C85F8;"@' 4""A6.58.06' .20' 85' 73' .20' =4.@L6' 37A9D8.479' ;@' .20' 37""7<49B' 496=54:.479'/1 ' "" "066 !!' ' 1 ' =# M 8.8"# 5;46N* 1 00' # :* * # # *1 * $' ' ' # *1 * ' * 1 246' 46' A6A8""@' A9D056.77D' 86' 50305549B' .7' .20' "4;05.@' 73' 6.54F49B' =7496' 49' =7"79406' 86' # # F ' ' 13' D097.0D' =7496' 6.5A=F' 8.' #7C0' ;@' 8A.2754.@' 73' .20' 098.0* *1 * 3' 6:08F49B' 73' .<7' 89D' # 73' .2500* # *1 * ' 3' 75' * ' 1 A5' 75D6' .<7' 6' 64B943@' .<0R' 89D' # .2500' 75D6' 75' C:05756* 1 00' .' ! ' 2 ' & #* 1 * ' 4 1 00 ' *1 * '- 1 00' ! ! ' "" *1 * ' F 1 00' * ! # 75' # 850' 375' .20' C76.' :85.' 50:50G 609.0D' 79' =7496' <4.2' .20' ;7D@' 75' 8.' "086.' 86' 385' 86' .20' ;5086.' 98F0D# 75' 9AD4.@' 49' 89G =409.' 6=A":.A50' 89D' :849.49B' D097.0D' ;08.4.AD0' 89D' 4CC75.8"4.@* 1 #86=20* * ' *1 20'4C8B06' 73' B7DD0660' 850' D46.49BA4620D' 79' 89=409.' =7496' ;@' .20' 37"G "7<49B' 8..54;A.06 (* 3' ;@' 6:085' 89D

89' 78F09' =57<9 1 <4.2' .20' 8DD4.479 ' 79' 67C0' 6:0=4C096 ' 73' =76# 8 9 *
20' . = 5 ' 89D' ' M?7<6N ' 04.205' A9G D05.8F09' 75' 8==7C:"4620D ' .28.' 46' .7' 68@ ' 375' .20' 6830.@' 73' .20' :549=0 ' C8F0' .2045' 8::08589=0' 375' .20' 3456.' .4C0' 79' =7496 73' 9.7949A6' 4A6 ' 8".27AB2' 357C' .20' =7CC09=0C09.' 73' .20' 0CG :450 ' =05.849' :A;"4=' ?7<6' <050' 67C0.4C06' 50G =75D0D' 79' .20C ' 89D' .27AB2' D06.490D' .205083.05 ' 89D' 06:0=48""@' DA549B' .20' 8B0' 73' 796.89.490 ' .7' 375C' .20' =796.89.' 6A; 0=.' 73' =7496*
' # #
1 9' 8' ?05@' 5850' 3456.' ;5866 ' .20' "0B09D' 73' 50?0560' 508D6' 86' 8;7?0 ' 496=54;0D' 49' 8' B85"89D' 73' 78F' "08?06
20' 3456.' . = ' 73' 9.79490' ="760D' 79' .20' , .2' 73' KA"@ ' ' ', ' ' 89D' .20' 60=79D' ;0B89 ' 49' <24=2' ?7<6' <050' 3A"34""0D' 375' .20' :5766 :057A6' 466A0' 73' .20' :86.' .09' @0856 ' 89D' 35062' 7906' A9D05.8F09' 375' .20' "4F0' :0547D' .7' =7C0* 1 ' 28.' 3456.E58.0' 9AC46C8.46.' .20' 8A.275' 73' ^ ' ' 0 ' 6 ' M:# ,> N ' <27' =4.06' .20' 8;7?0' "0B09D' 357C' 8' ?05@' 5850' 3456.' ;5866' 49' 246' 7<9' =7""0=.479 ' 7;605?06 1 T' 20' #7C896' M8 :07:"0' 06609.48""@' 73' 8' 50"4B47A6' D46:764.479N ' 73.09' 8DD50660D' 67"0C9' ?7<6 .7' .2045' D04.406' ' 49' 7.205' <75D6 ' :58@056 ' 8==7C:8940D' <4.2' 68=546 34=06# .' <86' .2A6' .28.' ABA6.A6' =0"0;58.0D' 246' :50.09D0D' 50E8==0:.89=06' 73' 67?0504B9' 8A.2754.@# 9D' 4.' <86' <4.2' 0SA8""@' 304B90D' ;A.' 97.' 8"<8@6 0SA8""@' =50D4.0D' C7D06.@' .28.' 246' 6A==066756' 4C4.8.0D' 24C ' 49' .2060' ' $ ' 733050D' A:' :549=4:8""@' 375' .20' :50605?F.47A' 73' .20' :549=0 ' 89D' .20' <0"3850' 73' .20' 0C:450*U

.20' 018C:"06' .7' .246' 0330=.' 850' # =76# 44""# 6# =# 79' 3456.' 89D' 60=79D' ;5866' 73' 9.7949A6' 4A6 1 .20' 0C:0575' 68=5434=49B' ;03750' 8' .54:7D 1 ' ?74 ' 6?6= ' +# # # 8C0' 504B9' 89D' .@:0 ' 49' 64"?05* 1 ?7I# 75' ?7I46' I# ' 6 6 ' 49' 8' =57<9 ' 73' &8 40996* 1 ?7I# I# 6' 6 ' 49' 8' =57<9' 73' "8A50" ' 73' 796.89.4996' *
9' "4F0' C89905' .20' H ' 75' ?7I# ++# <050' 8==7C:"4620D' 8.' .20' 0I:458.479' 73' .20' .<09G .40.2' @085' 73' 8' 504B9 ' 89D' 83.05' 08=2' 28D ' 49' 8' 28::@' C89905 ' =7C0' .7' :866 ' 4.' <86' A6A8"# .7' 50=75D' .20C' .2A6 1 ?7I46' !" 0!$ ' M49' 8' "8A50"# =57<9N ' 86' 79' B7"D' 89D' 64"?05' 73' "0I89G D05' 0?05A6 ' 89D' ?7I# I# 64=# II# M49' 8' =57<9N ' 86' 79' 64"?05' 73' 796.89.496' 2"7C6*
9' =7496' 73' 7CC7DA6 ' 0?05A6 ' 89D' 858E =8""8 ' <0' 508D' ?7I# 6?60# "'" ' F + ' . -' 8"67' 1) ' " #6 ' 6 ' 89D' II# <4.2' 34BA506' 68=5434=49B* 1 2060' ' ?7<6 ;049B' ' M50D00C0DN' ;@' .20' 3A"34"C09.' 73' .20' .05C ' 7.2056' 375' 897.205' .09' @0856' <050' A9D05.8F09' " + %
00' ' ' 600' 8"67' .20' 6@6.0C' 73' + '0I:"8490D' 49' =F;0"L6 .508.460' D0D4=8.0D' .7' .20' 6A; 0=.' 49' ?7"# ?44# 73' . ' ' H ' :# [' 0.' 60S*

1 'B7"D' C0D8""479' 73' 79E 6.896' :50609.6' 79' 4.6' 50?056 0' .20' "0B09D' 8 0!"! ' 7242 ' 89D' .20'0"0B89.' .@:0' 73' .<7' @7A9B' B0944 ' 75' <49B0D' ;7@6 ' 6A:: 75.49B' ;0.<009' .20C ' 49' .2045' 289D6 ' 8' =57<9 ' 49' <24=2' 850' 496=54;0D' ?7446' +# 46 ++# .28.' 46' .7' 68@' ' . ') ' ' ') ' 9' .20' 0IG 05BA0' # 64B943@49B' .28.' 4.' <86' C49.0D' 8.' .' M67' 6:0".' 375' ; , S N 1 20' 8;7?0' =A.' 46' 357C' 8' 50C85F8;"@' <0"" :50605?0D' 6:0=4G C09' 73' .246' 3490' 89D' ?05@' 5850' =749' 49' .20' ') ' '6 *1 75' 67C0' 73' 546.89L6' 50G C85F6' 79' 4.' M24# , [N' 600' 8 0!"! ' " 0! 20' 38=.' .28.' ' ?7<6' <050' 50=F790D' 86' 8==7C:"4620D' 97.' 8.' .20' ;0B49949B' ;A.' 8.' .20' .05C498.479' 73' .20' .09.2' @085' 73' 89' 0C:0575L6' 504B9 ' 46' 627<9' ;@' 9AC46C8.4=' 496=54:.4796 ' =79G =A5509."@' <4.2' .20' ?74=0' 73' 89.4SA4.@# C79B6.

' " + %' ;57.205' 75' =7A649' 73' 8B909.4A6' ;@' <27C ' 83.05' .20' D08.2' 73' 796.896' 20' <86' 98C0D' C685' 8.' 4"89' # # H[,' 89D' 58460D' .7' .20' ==D"8A"624:' .20' 37""7<49B' @085# 8B909.4A6' 8::749.0D' 24C' .7' =7CC89D' 49' &8A"' 375' .20' :A5:760' 73' F00:49B' 49' =20=F' .20' &05C89' .54;06' ' ;A.' 20' <86' D0308.0D' ;@' 297D7C85496' "08D05' 73' .20' ""0C8994' 89D' 7.205' ;85;854896# 9' .246' 75' 67C0' :50?47A6 7==86479' .20' :07:"0' 73' 50?06' 50?7".49B' ="760D' .20' B8.06' 73' .2045' =4.@' 8B8496.' 24C# 9' ;049B' 8::5460D' 73' .20' D08.2' 73' 8B909.4A6' .7' <2760' 86646.89=0' 20' <86' 286.0949B' 8::5020964?0' 73' 38""49B' 49.7' .20' 289D6' 73' 796.89.496' 2"75A6' <27' 28D' 8"508D@' D0308.0D' 246' ;57.205' ' 89D' 6A5G 57A9D0D' ;@' 3706' <4.27A.' 27:0' 73' 06=8:0' 0=09E .4A6' 6.589B"0D' 24C60"3' 8.' 096' # # H[H* 1 46' ;5866' =7496' 850' =7CC79' 0I=0:.' C0D8""4796' <24=2' 850' 5850 1 64"?05' ?05@' 5850' 06:0=48""@' C0G D8""4796 1 B7"D 6.4""# 58505' 790' C0D8""479' 49' B7"D' 46' 73' 0I.50C0' 5854.@# 0' 46' 6.@"0D' 79' .2k60' . ' ' ' # 3544h98O' 85' 8"67' # # &88O' 1 * ' 85* 1 # # ' # # 20' 208D' 8"<8@6 ;850# 20' 50G ?0560' 73' 60=79D' ;5866' ;0856' B09058""@' .20' C7G 97B58C' 73' 2546.' <4.2' .20' "0..056' # 89D' .' 286' ;009' :50.09D0D' M68@6' 47990.N' .28.' 0=09.4A6' 28D' 4D67' .20' .4."0' 73' ABA6.A6' ;A.' 97' 246.75489' C8F06' 89@' C09.479' 73' 6A=2' 8' 38=.' ' 89D' .20' C0D8# 79' <24=2' .20' 86605.479' 37A9D0D' 4.60"3' 46' 6A6:4=47A6*

H, # *

30=.6' 375' 0A375=49B' 7 ;0D409=0' .7' .20' "8<6 ' 89D' 7.205' 3A9=.47985406 ' <050' 506 : 0=.4?0"@ =508.0D* 1 ' 20' 0957""0D' 07954796' $ ' ' + %' <050' =8""0D' M83.05' .20' 8 : : 0""8.479' B4?09' .7' .20' 098.0N * ' <4.2' .20' 8DD4.479' 73' .20' 0 : 4.20.6' 4664 ?6 ' 6 4 5664 ' =# 20@' <050' 8"67 ' 67C0.4C06 ' 49' 4C4.8.479' 73' #7C0 ' 6.@"0D' F ' 89D' # ' =2403"@' DA549B' .20' D0="490' 73' .20' 0C : 450 ' <24"6.' .20' 506.' 73' .20' 4928 ; 4.G 89.6' <050' =8""0D'+) '+ + ' '89D' ' 20' 98C06' 73' .20' # ' 850' 90?05' 37A9D' 496=54 ; 0D' 79' .20' =7496' 73' =7"79406 ' ; A.' 49' .2045' 6.08D ' 850' 350SA09."@' 508D' M97.' 79"@' 79' .2760' 73' A57 : 0 ' ; A.' 73' 648' 89D' 354=8N ' .20' 8 ; ; 50?48G .4796' # # 75' +# # # .28.' 46 ' +## . ' . ' <24=2' 46' 0SA4?8"09.' .7' .20' +# # # 73' .20' #7C89' 098.0* 1 ""40' 8 ; ; 50?48.4796' # # 75'V +# # # 850' 0I24 ; 4.0D' 79' .20' =7496' 73' ;E D058 ' :8C08 ' 8 ; ; 8 ' A.257.AC ' 854=48 ' 856 .28B7' 7?8 ' 854AC ' 89D' 497 : 0# 20@' 850' 50C85F8 ; "0' 79' .20' =7496' 73' 8 ; ; 8 ' 49' 8A50G .8948 ' # # . .28.' 46' . ' . < ' 4=7 ' 89D' +# # * * 28.' .2050' <050' ' 49' .20' + ' 8"67' 46' 509D050D' =05.849 ' ; 7.2' ; @' =7496' 73' 608 ' B4?09' 49' "750\ ' 89D' 73' .4=8 ' 79' <24=2' # # 46' 37A9D ' 89D' 8"67' ; @' 89=409.' 8A.2756 ' 8C79B' <27C' 46' 90.79496/1 T' 20' ' 73' .20' + ' 89D' =7"79406' =79?0@0D' .20' ; 7D@' ^73' 9B96.960' 357C' 7"8' M8' =4.@' 49' 8C : 8948N ' 86' 385' 86' 7?4""60U' M8' .7<9' 49' 8.4AC N* 1 20' 68C0' "0..056' 7==A5' 8"67' 79' =7496' 73' .20' + ' 8"8B95546 ' C : 75400 ' 5=8?4=8 ' 89D' 8BA9.9C' 1 T' ; A.' <4.2' 6A=2' 89' 8 : : 08589=0' M8DD6' =F20"N ' .28.' .20@' =8997.' 28?0' ; 009' 09B58?0D' 79' .20' D40 ' 75' ' ; A.' <050' 8DD0D' 83.05<85D6 ' "4F0' C85F6' 09.' 49.7' .20' C0.8" ' 8' 38=.' <24=2' 286' 90?05' ; 009' 7 ; 605?0D' 79' =7496' 73' ' 9D' 357C' .246' '49305' .28.' ' 49' 70.4=8 ' 73' <24=2' .2050' 46' 8' =749' 0I24 ; 4.49B' .20' 68C0' C85F' 09 7@0D' .20' : 54?4"0B06' 79"@' 73' 8' + N .'46' 24B2"@' : 57 ; 8 ; "0' .28.' .20' . ' <050' 49D4=8.0' 79' =7496 ' 49' =7960SA09=0' 73' .2045' ; 049B' =285B0D' <4.2' .20' D450=.479' 73' .20' C 49. ' 8' : 764G .479' <24=2' .20@' 28D' ; 009' : 05C4..0D' .7' 7==A : @' 04.205' ; @' .20' ' 75' ; @' .20' 098.0' 73' #7C0 ' 89D' 49?7""?49B' .20' 69 : 0549.09D89=0' 73' .20' <04B2.' .@ : 06 ' 89D' 9AC ; 05' 73' .20' C790@# 6' .209' .20' #7C89' 098.0 ' .7' <27C' : 05.8490D' .20' =850' 73' 6.54F49B' ; 5866' C790@ ' 28D' .2045' # # 09G B58?0D' A : 79' 4. ' 67' .20' . ' <27' <050' .20' 50 : 50609.8.4?06' 73' 098.756' 49' .20' =7"79406 ' .77F' =850' .7' 6.8C :' 79' .2045' =7496' .2045' 7<9' . ' . 1 00' . ' ' ' . ' ' ' ' ' ?7"# 4?# : # , ' 0.' 60S* : 08F49B' 73' .20' 3A9=.479G' 73' .20' 0=A547906 ' 4.46=A6' 7 ; 605?06 ' .28.' .20@' <050' 86' 79057A6' 86' .20@' <050' 2797A58 ; "0 ' 375 ' ; 064D06' .20' 0I05=460' 73' .20' C790.8"# : 54?4"0B0 ' .20' =850' D0?7"?0D' .7' .20C' 73' C8F49B' 0?05@' 85589B0C09.' 375' .20' 620<6' 73' .20' =45096 ' 89D' 375' .20' 6 : 0=.8="06' 73' .20' .208.50 ' 49' 8DD4.479' .7' <24 ' 4.' <86' .2045' DA.@' .7' 3A59462' .20' C0896' 73' D0358@49B' 8""' 0I : 09606# 20@' 28D' 8"67' .7' "0?@' 4C : 76.6 ' 89D' ' <28.' <86' C750' 60547A6' .7' .20C60"?06 ' .20@' <050' =7C : 0""0D' .7' 6A : : "@ ' 7A.' 73' .2045' 7<9' 5067A5=06 ' <28.' <86' D034=409.*

* 1 ' C8970A?50 ' 0?7"A.479 ' 276G .4"0' 49=A56479* 1 246' <75D' 8 : : 0856' 79' .20' 0IE

05BA0' 73' .<7' "85B0' ; 5866' =7496 ' 6.5A=F' ; @' .20' 098.0 ' DA549B' .20' 504B9' 73' 057* 2050' <050' .2500' F49D6' 73' 0095647 ' ?4\# / 1 # 28.' 73' C4"4.85@' 0?7"A.479 ' 89D' C7=F' =7CG ; 8.6* 1'># 20' D0=A5647' =45=09646 ' 75' C89mA?506' 73' .20' =45=A6 ' 49' <24=2 ' 8.' : A ; "4=' 6 : 0=.8="06 ' 308.6' 73' D0I.054.@' 89D' 6<43.9066' <050' : 05375C0D ' 86' <0"" ; @' 27560E54D056' 86' ; @' =28547.0056# M 00' ' ' ' : # > E [N* 1 H# 8?8"=8D06' 60..49B' 7A.' 79' 276.4"0' 49=A564796* 1 00' 6 # .' 4 47' 89D' # 47' " ' % 20' 8 ; 7?0' .@ : 0' 50 : 50609.6' .20' C : 0575' 057' 79' 27560 ; 8=F ' <4.2' "89=0' =7A=20D' 49' 246' 54B2.' 289D ' 86' 43' 508D@' .7' 09B8BO' 49'!7C0' =7C ; 8.' ' 8' 67"D405' 79' 377.' : 50=0D06' 24C ' <4.2' 8' ' 79' 246' 627A"D05 ' 89D' 897.205' ="760"@' 37#7<6# 246' 46' .8F09' 357C' 8' 50C85F8 ; "@ <0""E : 50605?0D' 6 : 0G =4C09' 49' .20' 54.462' A60AC# * .' 46' 8"C76.' 73' C0D8""479' 64\0' 89D' <89.6' .20' F ' ' A0.794A6' 6.8.06 ' .28.' <24"6.' 057' <86' @0.' 79"@' m685 ' .20' ' <86' 496.4.A.0D' 8.' .20' 68C0' .4C0' 86' .20' : 50.7548A' BA85D6' " ' + % ' 28.' @7A.26' 7. y 7 ; "0' ; 45.2' <050' .58490D' .7' .2060' C85.48"# 0I05=4606' 46' 0?4D09.' 357C' .20' 7 ; 605?8.479G' 73' "08590D' 8A.2756' 79' .20' =7496' 8""AD49B' .7' .20' # + ' - ' 9D' 209=0' .20' C : 0575' KA"489 ' 6 : 08F49B' 73' 796.89.496 # C09.479G' <4.2' 8 : : 57 ; 8.479 ' .28.' 20' <86' 085"@' 496.5A=.0D' 49' T' .20' : 58=.4=0' 73' "08 : 49B' 89D' 5A9949B ' 49' 3A ' 85C7A5 ' 89D' 49' .20' 85.' 73' 27560G C89624 : *U' "1 ' 4# : # N* 1 9' "4F0' C89905' 4?@' 286' A60D' .20' 0I : 5066479' T' 0I05=4.AC' ' N' 89D' 8 : : "40D' .2760' 73' T D0=A56AC ' 0.' 64CA"8=5AC' "AD475AC' : AB9m U' 79' .20' 7==86479' 73' 0560A6' 89D' 0C0.54A6 ' 6796' 73' 24"4 : ' # F49B' 73' 8=0Dd9 ' .4".49B' <4.2' 08=2' 7.205' 49' 8' C7=F' 34B2.' M I"# =2# ' aN* 1 ==75D49B' .7' .20' 68C0' 8A.275 ' &58==2A6 ' <209' 49' : 849 ' 75D050D' 8""# 246' .577 : 6 ' 49389.5@' 89D' =8?8"5@ ' .7' 5A9' 49' 3A""# 85C7A5 ' 49' 75D05' .7' D46 : "8@ .2045' 6.509B.2' .7' .20' 0".4 ; =5489' 8C ; 8668D756 ' M=2# N* 1 ' ==75D49B' .7' 479 ' 057' <86' 67' D0"4B2.0D' <4.2' .20' 5A9949B' 73' 275606' M{4957 : 34{8N' .28.' <209' .20' 894C8"6' 09B8B0D' 49' .20' =79.06.' D46.49BA4620D' .20C60"?06 ' 79' .2045' J57<49B' 7"D ' 20' A60D' .7' 8D759' .20C ' "4F0' C09 ' <4.2' .20' '$ ' M7A.E73ED775' D5066' 73' .20' #7C896N ' 89D' 8 : : 57G : 548.0D' .7' .2045' A60' 8' 6AC' 73' C790@' 375' .2045' C849.0989=0* 00' =F20"' ?4# > , ' <27' 375' 67C0' "08590D' 50C85F6' 79' .20' .2500' F49D6' 73' D0=A5647' 503056' .7

H, # *

:A.' .7' D08.2' ;@' .20' 67"D4056 ' ⁄ ⁄ HH ' A9D05' .20' :50.09=0' 73' D06459B' .7' ;0' B7?0590D' 79"@' ;@' .20' =24"D509' 73' 796.89.490 ' 89D' .246' <86' D790' <4.2' .20' =7994?89=0' 73' 796.89.496' ⁄' <27' <86' 09?47A6' 73' 24C*

9' 246' =7496 ' <24=2' 850' 5850' 0?09' 49' ;5866 ' 89D' 73' .20' 24B206.' 5854.@' 49' B7"D' 89D' 64"?05 ' 20' 46' 6.@"0D' % o ! ' " $ / o ! ' .' $ 9!o ! A' " $ 1 89D' $ ' ! o ' o ! M75' N ⁄ *

20' 37""7<49B' 850' .20' 58506.' 50?05606' 73' =7496' C49.0D' ;@' 75' 6.5A=F' 49' 2797A5' 73 ' .246' @7A9B' :549=0/ 1

< o / o ! ' " $ ' 4=.75@' <8"FG 49B* 1 4 =4 .' 4?? 46⁄ 0"C8.4A6' 6.89D6' 27"D49B' 8' 6 :085' 89D' C4"4.85@' 0964B9* 1 M 8"A0D' ;@' 47990.' 8.' > ' 35⁄ 08=2N*

4 *1 ' ⁄ ⁄ 8A5=8.=D' 208D' 73' 796.89.490' .20' &508.* 1 M ' 35*N

oo' $ / &o $! ' 6 $"! ' J ' C4"4.85@' 34BA506 ' 84EC0D' <4.2*6 :085' 89D' ;A=F"05 ' 6.89D49B' 790' 79' 08=2' 64D0' 8' .54 :7D ' 79' 7.2056' 8') ' <4.2' .20' C797B58C' 73' 2546.⁄ 9' .20' 0105BA0' 646⁄ 75' 3 1 1 *1 ('! o' oD ! ' ⁄ =⁄ 48D0C0D' 208D' 73' 0"C8.4A6⁄ 1 00' .20' :50=0D49B' = A.' M:⁄ H, [N*

1 246' <0""EF97<9' =749' 73' .20' #7C896' D054?0D' 4.6' 8 : :0""8.479' c' = ') ' M357C' .09' %' 375' <24=2' 4.' A60D' .7' ;0' 01G =289B0D ' <04B249B' 8' :7A9D' 08=2 ' 86' .20@' D4D' 8.' .20' .4C0' <209' 64"?05' 3456.' ;0B89' .7' ;0' =7490D' 8.' #7C0 ' 98C0"@' ' ' " ' H[' 9$ ' " ' > N 1 ' ==75D49B' .7' "49@' 4.' <86' 06.8 ;"4620D' .28.' .20' ' 627A"D' ;0' B4?09' 49' 01=289B0' 375' .09' :7A9D6' 73' ;5866 ' .20' 0 ' 375' 34?0' :7A9D6' 89D' .20' ' 375' .<7' :7A9D6' 89D' 8' 28"3* 1 ' A.' <209' .20' ' 8 ;7A.' .20' @085' ⁄ ⁄ [H ' 9$ " ' N ' <86' 50DA=0D' 49' <04B2.' .7' 790' 7A9=0' 4.' <86' 06.8 ;44620D' .28.' .20' D09854A6' 627A"D' ;0' B4?09' 49' 01=289B0' 375' 64I.009' ' .20' SA498E' 54A6' 375' 04B2.' 89D' .20' 606.05.4A6' 375' 37A5⁄ 9D' .27AB2' .20' 508679' 375' 4.6' ;049B' 67' =8 0D' 97' "79B05' 0146.0D ' @0.' .20' D0984496' 50.8490D' 4.6' 754B498⁄ 98C0⁄ 20' D4334=A".406' <24=2' 0C ;856 5866' .246' .2075@' 73' "49@' 850' 8D?05.0D' .7' 49' .20' =4.8.4796' C8D0' 357C' =F20"' A9D05' .20' 208D' 73' ' . ' M:⁄ [' 0.' 60S⁄ 73' .246' D4=.479G 85@N ' ; A.' <24=2' 20' "08?06' <4.27A.' 67"?49B' .20C⁄ 2050' 850' 6 :0=4C096' 73' .20' 085"@' C49.0D' D098G 54A6 ' ;08549B' 79' .20' 7 ;?0560' 8' D7A ;"0' ;085D"066' 208D' ' 89D' 79' .20' 50?0560' KA :4.05' 49' 8' SA8D54B8' 89D' .20' <75D' $ ' 49' 49D09.0D' "0..056*

(4.2' 506 :0=.' .7' .20' <04B2.' 73' .20' D09854A6' 4.' 8 : :084 ' 8==75D49B' .7' "49@' 89D' 7.205' <54.056' .28.' .2050' <050' 49' .20' 89=402.') ' ' D098544⁄ 20' 8A.275' 73' . ' M?⁄ :⁄ , N' D09406' .28.' .2050' 46' 89@' <0 EB57A9D0D' 85BAC09.' .7' :57?0' .28.' 89=409.' D098544' <050' 208?405' .289' .2760' 73 6A;60SA09.' D8.0 ' 89D' 8DDA=06' :5773⁄ 6' .7' 620< ' .28.' .2760 ' <24=2' 01=00D' .20' <04B2.' A6.' 6 :0=4G 340D ' CA6.' ;0' 50B85D0D' 86' ;0"79B49B' .7' 8' 37404B9' C49.*

6' .7' .20' 6.8.0C09.' 73' .2760' <27' 86605.' .28.' .20' 89=409.' D09854A6' <86' 0SA4?8"09.' .7' .20' ..4=' D58=2C8 ' =F20"⁄ M?7"⁄ ?⁄ :8B0' , ' 0.' 60S*N ' 49' SA7.49B' 357C' 46096=2C4D ' .2045' 98C06' 89D' .06.4C7940 6 ' 7 ;605?06/ 1 T' 79' C8@' =796.89."@' 50C85F ' .28.' <54.056 ' <209' =7C :8549B' .20' &500F' 89D' #7C89' =7498B06 ' A60' .20' D09854A6 ' 75 ' <28.' =7C06' .7' .20' 68C0' .249B ' 37A5' 606.05.44 ' 3A5' .20' C..4=' D58=2C8 ' f 3' .20' :57C46=A7A6' 0C :"7@G C09.' 73' .20' <75D6' 499AC058 ;"0' 496.89=06' 850' .7' ;0' 37A9D ' 89D' .246' 8==7A9.6' 375' .20' 38=. ' .28.' 60?058⁄ 8.49' 8A.2756 ' .27AB2' C76.' 49=7550=."@' B4?0' .20' 98C0' 73' D09854A6' .7' .20' D58=2C8' 73' .20' &500F6⁄ A. ' .27AB2' :A;"4=' 7 :4A479' 89D' .20' A68B0' 73' =7CC05=0' 28?0' 8664B90D' .20' 68C0' <04B2.' .7' .20' D09854A6' 89D' .20' D58=2C8 ' 4.' 46' 90?05.20"066' 86=05.8490D' ;@' .20' 8==A58.0' 50G 6085=206' 73' 46096=2C4D' 89D' 855t ' .28.' .20' 8..4=' D58=2C8' 46' 67C0 <28.' 208?405' .289' .20' D0G 9854A6 ' 89D' 6.89D6' 49' 50"8.479' .7' 4.' 86' , ,>' .7' , ' 75' .7' =7C0' 6.4""⁄ 908505 ' 86' a' .7' ⁄ 9D ' 49D0OD ' .20' 68C0' :57 :75.479' 46' 8554?0D' 8.' 79' 8' =7C :854679' 73' .20' 506 :0=.4?0' <04B2.6' 73' 67C0' 8..4=' .0.58ED58=2C66' M:40=06' 73' 37A5' D58=2C40N ' 89D' 67C0' D09854⁄ 73' ABA6.A6 ' 67' .28.' 97.' 79"@' .20' 8A.2754.406' SA7.0D' ;@' "08590D' <54.056 ' ;A.' 8"67' 01 :05409=0' 37A9D0D' 79' .20' =7498B06' 73' .20' .<7' 98.4796 ' 6057?0' .7' 06.8 ;"462' .20' .5A0' :57 :75.479' 73' .20' D58=2C8' .7' .20' D09854A8⁄ A.' .246' :57G :75.479' 8 : :"406' 79"@' .7' .2760' D098544⁄ <24=2' <050' 6.94=F' A9D05' .20' 50 :A ;"4=' 75' 8.' "086.' 86' 085"@' 86' .20' 504B9' 73' ABA6.A6*

^ ' 6 :0=4C09' 73' .28.' 0C :05756' 64"?05' =7498B0' 86' 6.5A=F' 8 ;7A.' A⁄ ⁄ H[' 9$ ' " ' ,aN ' ;@' A5E' C4A6 ' 790' 73' 546' C790@036 ' 46' 2050.7' 6A; 7490D*Q

T' 9D05' .20' 6A==066756' 73' ABA6.A6 ' 89D' 06 :0G =48""@' 357C' .20' .4C0' 73' 057 ' .20@' <050' 50G DA=0D' .7' 9085"@' 89' 04B2.2' :85.' 73' .2045' 754B498"⁄ <04B2.' .27AB2' 0?09' .2060' "4B2.05' =7496' <=40' ;@' .20' .@589.' =A6.7C ' <27' 8"<8@6' :503056' .20' 7"DE' 38624790D' .7' .20' .5A0 ' 6.4""⁄ 20"D' 0SA4?8"09.' .7' .20' D58=2C8*U

20' C85F' 73' .20' =796A"85' D09854A6' <86' +' 75' 790' 75' .<7' ?8548.4D96' 49' .20' 375C' 73' .28.' "0..05⁄ ' 64C4"85' C85F' <86' A60D' 79' .20' ;5866' =7498B0' M600' :⁄ ,H[N' .7' 49D4=8.0' .20' <04B2.' 73' +' ' ' ; A.' 79' D098544' 8"67' 4.' D097.06' .20' ?8"A0' 73' +' ' 375' <24=2' 86' 8"508D@' 6.8.0D' .20' D09854A6' <86' B4?09' 49' 01=289B0⁄ 96.08D' 73' .246' C85F' 27<0?05' 79' =7496' 73' .20' .4"48' A34D48' KA"48' 4.4948' 89D' 8"0548' 38C4"406' 8 : :0856' .20' 9AC058⁄ + ⁄ ;@' <24=2' D7A;."066' 46' 49D4=8.0D' .20' ?8"A0' 73' 8' D09854A8' 73' , ' ' .7' <24=2' 4.' <86' 50G DA=0D' <209' .20' 60=79D' A94=' <85' <86' 8.' 4.6

204B2.' A9D05' .20' D4=.8.75624:' 73' %# 8;4A6' M:# , [N1 8"4BA"8' 89D' B54::498' M:' > N1 9G
8!4CA6' # =# [H ' 9$ ' " ' >, N# T' 09=0 .7948' M:# [[N1 8";4996' M:# , >>N1 "0!89D05'
M8DD6 =F20"N' 4.' 286' ;009' .27AB2.' ;@' 97.' 8' 30< 0?05A6' M:# HHN1 "7.498' M:# N1 75' 8' SA498E
89.4SA85406' .28.' D0A8544' C85F0D' + # <050' 5496' 73' ABA6.A6' M:# aN# 7' .2060' <0' 8DD' .20'
6.5A=F' DA549B' .28.' <85# (209' .20' 50BA"8.479' <86 6A; 7490D' =A.' 357C' 8' 5850' . '49' 64"?05' 86'
49.57DA=0D' 89D' .28.' 6275."@' 83.05<85D6' .20' 7"D 8' 6:0=4C09' 73' .20' D09854A6' A9D05' 057L6' 504B9'/
C85F' +# <86' 506AC0D' 89' 7:49479' <24=2' ,' 628"#
97.' ?09.A50' 04.205' .7' =79345C' 75' .7' D09@' .27L
' =7964D05' 4.' C750' :57;8;"0' .28.' 4.' <86' "03.' .7'
.20' D46=50.479' 73' .20' C7A0@05' .7' A60' <24=20?05
C85F' 20' :5030550D# 75' 86' .20' C85F' +# 503056'
.7' .20' 98C0' 73' D09854A6' B4?09' .7' .20' =749' 67'
D706' .20' C85F' + Z?"# .7' 4.6' ?8"A0# 9D00D' D0G
9854' 73' 8"054A6' "8==A6' 73' .20' 89=409.' 375C'
<24=2' 850' :57?0D' 49=79.06.8;"@' .7' 28?0' ;009' 8"#
6.5A=F' 8.' 790' 89D' .20' 68C0' .4C0' 850' C85F0D'
67C0' +# 89D' 7.2056' + *U1 00' A34D48' B096'
:# a '49' .246' D4=.47985@*
(4.2' 506:0=.' .7' .20' .@:06' 73' D09854 4' "49@'
64C:"@' 6.8.06' M41144# ,HN' .28.' T' .20' .@:0' 73'
64"?05' <86 '89D' 0 J**U1 246'46' .20'38=.'
<4.2' 5030509=0' .7' 8' "85B0' :75.479' ;A.' C89@'
;085' 7.205' .@:06# 8=4.A6' " . ') '4 %
286' C09.47A0D' .20') '89D' 67' 286' 4?@' 350G
SA09."@' <24"6.' D06=54;49B' .20' ;77.@' .8F09' 49'
""46:8A48' 89D' &8""48' 468":498# 9'D09854' 6.5A=F'
DA549B' .20' "8.05' :0547D6' 73' .20' 50:A;"4=' .20'
.@4<6' ?8540D' 49' C89@' <8@6' =79375C8;"@' .7' .20'
<4"" 73' =796A"85' C8B46.58.06' 89D' 3498""@' 73' .20'
C790.8"' .54AC?456# 20'7;?05606' 73' .206O' 64"?05'
=7496' <050' 6.8C:0D' <4.2' .20' B8"08.0D' ;08D' 73'
#7C0' <24"6.' .2045' 50?05606' 0I24;4.' 50:50609.8G
.4796' 73' .20' . ' 79' 27560;8=F' M86' 79' .20'
3490' D09854A6' 73' .20' 758.48' 38C4"@' 49605.0D'
86' 8' 6:0=4C09' 49' :# H, ' "03.E289D' =7"AC9N' 8"67'
34BA506' D58<49B') ' 89D' 0 ' M600' .2760'
<75D6N' 357C' <24=2' =45=AC6.89=0' .20' :40=06'
<050' .05C0D') ' 89D' 0 ' M:# ,>aN* 1'
20@' <050' 8"67' =8" D' ? ' <209' .2045'
.@:06' D46:"8@0D' 8' 34BA50' 73' 4=.75@' 86' 49' .20'
6A; 7490D' =A.' 357C' 8' D09854A6' 73' 89948' B096'
49' <24=2' .20' B7DD066' 46' D54?49B' 205' =28547.' 89D'
37A5' 275606' 8.' 3A"# 6:0OD*

50SA09.' C09.479' 46' C8D0' 73' .20' D09854A6' 75'
M#7C89N' :099@' 49' 7"@' (54.' <205049' 4.' 46'
6:7F09' 73' 86' .20' D84"@' <8B06' 73' 8' "8;7A505' 89D'
8"67' 86' .20' .54;A.0' C790@# T' (2760' 46' .246'
4C8B0' 89D' 6A:056=54:.479' zU
9' 246' T' AC46C8.4=' " A6.58.4796' 73' .20' 85G
58.4?0' 75.4796' ' .20' 0<' 06.8C09.U' 5#
F05C89' SA7.49B' 357C' .# 8..20<' II# ?# >'
.20' <75D6' T' 8' :099@' 8' D8@U' C8F06' .20' 37 7<49B'
7;605?8.4796' 1
T' 20' :099@' 2050' C09.4790D' <86' .20' D098E'
9A6' <24=2' 8.' .20' .4C0' 73' A5' 75DL6' C4946.5@'
0' 86' 0SA4?8"09.' 49' ?8"A0' .7' 8;7A.' 60?09:09=0'
28"3:099@' 73' 7A5' C790@# (4.2' .20' D0="490' 73'
.20' #7C89' 0C:450' .20' D09854A6' <86' ;@' D0B5006'
D0;860D' 89D' ;03750' .20' .4C0' 73' 47=!0.489' 28D'
09.450"@' D468::0850D' 75' 58.205' 28D' =0860D' .7' ;0'
6.5A=F' 49' .20' 4C:0548" C49.6' ' ;A.' .28.' 0C:0575'
506.750D' .20' =7498B0' 73' 64"?05' 89D' D09854# <050'
8B849' C49.0D' .27AB2' 50DA=0D' 49' <04B2.# 246'
50DA=.479' <09.' 79' 83.05' .20' D4?46479' 73' .20' 0CG
:450' A9.4"# .20' D09854A6' 79=0' 8' ?05@' ;08A.43A"#
' ;0=8C0' 8' =749' 73' ?05@' 49305475' 0I0=AG
.479' "7<' 50"403' 89D' 50DA=0D' .24=F9066' 89D'
<04B2.# 0 0 0 20' .05C' é D09854A6' 46' @0.' :50G
605?0D' 49' 7A5' 97.8.479' 73' :7A9D6' 624""49B6' 89D'
:09=0' ;@' $# 6# D# 0 0 ' .' 46' <75.2@' 73' 50G
C85F' .28.' 49' .246' =7A9.5@' 8' :099@' 8' D8@8:G
:0856' .7' 28?0' ;009' .20' :8@' 73' 8' 340"D' "8;7A505'
49' .20' C4DD"0' 8B06' ' <24"6.' 8C79B' .20' #7C896'
M600' 8=4.A6' ' "4;# 4# 0# , N .20' D84"@' :8@'
73' 8' 67"D405' <86' 8' D09854A6 U' :# ' 89D' *
57C' .20' .2' 60=.479' 73' .20' 68C0' <75F' M:# ,
' 89D' , ,N' 897.205' :8668B0' 50305549B' .7' .20' 4CG
:0548" D09854A6' 86' =45=A"8.0D' DA549B' .20' "8..05'
:0547D' 73' A5' 8?47A5L6' 8::08589=0' 79' 085.2'
<4"" ;0' 37A9D' =4.0D' 49' .246' D4=.47985@' 8C79B6.'
.20' C49.8B06' 73' !$ *!
#06:0=.49B') ' D09854 4' 600' .20' <75D6' .
K # ' *
*1 9' 8' =7"7948" =749' 73'
854AC' 49' @648' 86' 4D09.4340D' ;@' .20' A6A8"
494.48"6' =# &# # # # ' K ' 4 ' - '
; ' # ' 97.4=0D' ;@' .20' ;;t' 0 0@'
357C' .20' =7""0549' .2050' 8::0856'
79' 790' 64D0' .20' 208D' 73'
7CC7DA6' 89D' 79' .20'
7.205' .20' 34BA"50' 73' 8' C89'
<4.2' 98F0D' 208D' 89D'
@ <4.27A.' ;085D' 64..49B'
.7' <27C' 89' 7I' <24=2' 46'
;03750' 24C' :50609.6' 4.6

246' <86' .20' 0860' <4.2' .20' 28"3' D09854A6' D0G
97C498.0D' 0 ' M600' & ! ' 89D' & .'
o ! A' 75' :40=0' 73' 34?0' ' 3' .246' 89D' 73'
.20' 6C8"" 64"?05' =749' =8 0D' ' ;A.' 30<
6:0=4C096' 850' 0I.89.# !
9B58?0D' 0I8C:"06' 73' .20' =796A"85' D09854A6'
<4 ' ;0' 37A9D' 49' .246' ?7"AC0' A9D05' .20' 50G
6:0=.4?0' 208D6' 73' .4"48" . ' :# aHN1 9E
948' M 4=.75@' 49' 8' SA8D54B8' :# NEEEE C;48
"/ ' :#, >, N1 C=4"48" "* ' 0"0:289.6'
:#, [N1 4:48' M P4=.75@' '* ' ' :# > N'
1 7590"48' MKA:4.05' ' / ' :# > N1'
A548.48' "/ ' :# >aaN1 8A3048' M 4=.7548'
' ' * ' :# ,>aN' =# =*
75' 6:0=4C096' 73' .20' 4C:0548" D09854A6' 600'
334685' ABA6.A6' M:# ,HN1 B54::8'89D' ABA6.A6

H, ' & *

377.' 86' 43'.7' 28?0' 4.' 0I8C490D'# ;7?0' .246' B57A:'46' :6=54;0D' 7# ' *1 0""0@' 286' B4?09' .7' .20' <75D' $' .20' 49.05:50.8.479' 73 F EEEE 0 0549' .28.' 73' F)) *1 8=2'27<0?05' 50B85D6'.20'.@:0' 86' 5030554$B'.7') 6=9"8:4A6'# 0""0549' M49'246' DD4.4796' '6 0 ' :'>aN'49'6A:.:75.'73'246'7<9'508D49B'7;G 605?06'.28.'T') 6=9"8:4A6'79'.246'C0D8'#46'50:50G 609.0D'@7A9D'<4.27A.'=57<9'89D'<4.27A.';085D'# 246'B4?06'7==86479'.7':506AC0'.28.'20'46'.2A6' 34BA50D'49'246'@7A.2'86'8""A64?0'.7E'.20'.4C0' <209'20';0B89'.7':58=.4=0'C0D4=490'49'<24=2' 20'28D'50=04?0D'496.5A=.4796'97.'79"@'357C'246' 38.205' :7""7';A.'8"67'357C'.20'09.8A5'24579' 89D'.28.'.20'3456.'0668@6'73'246'85.'<050'0I05G =460D'79'894C8"6*U 1)6=A"8:4A6'46'8"<8@6'50:50G 609.0D'7"D'89D';085D0D'79'C0D8"6'73'=4.406'<4.2G 49'<2760'<8""8'.0C:"06'<050'050=.0D'.7'24C'86' 2'D4?494.@'# A.' 0""0549'B706'79'.7'620<'79' .20'8A.2754.@'73'C89@'89=409.'8A.2756' .28.' 8"C76.'8'.20'=4.406'28D'.0C:"06'73'6=A"8:496' 49'.2045') ' <24=2'600C6'.7'24C'.7':57?0' .28.'.20'60960'<24=2'20'B4?06'.7'.20'<75D'6?# 46'.20'.5A0'790 1 ?4\'# 8')) ' 0D434=0' <2050' .20'4928;4.89.6'73'# '89D'4.6'904B2;7A5G 277D'<09.'.7'73305'B43.6'.7'.20'B7D'49'6A:."4=8G .479'375'.20';"06649B'73'208".2*1 20'8;7?0'=A.' 46'357C'8'60=79D';5866'=749'49'.;0'54.462' AG 60AC'#.'<4""';0'37A9D'="760"@'.7'=75506:79D' <4.2'.20'50?056d'09B58?0D'49' = ' #':"8.0' I?44'#73' 0""0549*1 00'8"67'#

' & *1 .8.A0'73' ABA6.A6'<27' 64.6'49'.20'C89905'73'KA:4.05'<4.2'58D48.0D' 208D'89D'28?49B'8'6:085'49'246'"03.'289D'89D'8' 34BA50'73'4=.75@'49'246'54B2.'=# — — — ' 0 ' ' ' # 1 9'.20'50?056t' 4 46' & # ' C8B9434=09.'.0CG :"0'73'04B2.'=7"AC96*1 85B0';5866'=7"7948""*1 ' 20'=7"7946.6'73'8558B798'49' :849'83.05'.20' 8:7.207646'73' ABA6.A6'609.'89'0C;866@'.7' #7C0':0.4.47949B'375'"08?0'.7'050=.'8'.0C:"0'.7' 24C'8':54?4"0B0'<24=2'.20@'<050'.20'3456.'.7' 7;.849'# M 84""89.' ' ' '4# :'# [N*1 00'F05E' C89'# ' ' $' ' .=# 7# H':4# 44*' :'#, # 1 00'8"67'49'.246'D4=.47985@' $ ' & *1 246 0:4B58:2'57A9D'.20' 208D'74' ABA6.A6'8::0856'79'.20'7;?0560'73'8' B7"D'=749'28?49B'79'4.6'50?0560'.20'208D'73' &8 409A6*

76.'73'.20' ' C0D8"6'73'246'4CG :0548'# :50D0=066756'<050'506.750D';@'&8 409A6' 89D'57A9D'.20'0334B@'73'08=2'46'=7CC79"@'508D' # A.'79'.246'B7"D'=749'&8""40996'=79 7496' <4.2'.20'0334B@'73'.20'37A9D05'73'.20'0C:450' .20'0:4B58:2'73' ' 2A6'6.A.G 49B'375'4??6'75'D4?490'.20'A9A6A8'#89D'6.4""# C750'7A.58B07A6'866AC:.479'73' ' &7D' 05?4A6'.2A6'D58<6'.20'D46.49=.479';0.<009' . '89D'# 1 ?4\'#.28.'.20'0.0598"6'850'=8 0D' ;@'.20'375C05'98C0'';A.'# '<050'.2760'<27' 357C' ;049B'C050'C75.8'' C09' <050':"8=0D';@' .20'=050C79@'73' + '84:79B6.'.20'B7D6'# 20'.4."0'73'# '<86'8.'3456.'07930550D'83.05' D08.2'79'.2760'#7C89';549=06'<27'49'.2045"'430G .4C0'28D':05375C0D'67C0'4 A6.547A6'605?4=0'375' .20'50:A;"4=' 75'6.8.0'# 3.05<85D6'27<0?05'86' .20'6:454.'89D'"7?0'73'8DA"8.479'D84"@'49=50860D*

' # * C89@'"4?49B'0C:05756'D4D'97.'503A60'.7'8==0:.' .28.'3A"67C0'89D':506AC:.A7A6'2797A5'# 8@' .20@'0?09'=7A5.0D'.20'8::0 8.479'73'# :'86' A.57:4A6'<54.06'73' 7C4.489'<27'=7CC89D0D' .7'28?0'24C60"3'=8 0D'# '89D'# ';A.' 83.05'D08.2'D4D'97.'04.205'C054.'75'7;.849'0?09' .20'"066'7;97147A6'.4."0'73'# N ' # *1 8;45A6'75'58.205'790'73' .20' 8;454'<4.2'=8:'79'246'208D'89D'8';89D' 57A9D'.20';7D@'6.89D49B'8' 28CC05'49'246' 54B2.'89D'8':845'73'94::056'75'.79B6'49'246'"03.' 289D'# 245D';5866'73' "8AD4A6'&7.24096*1 M 00' 89DA54'44'#:'# ' <27'D06=54;06';A.'D706'97.' B4?0'89'09B58?49B'73'.20'=749N* 20' 8;454'<050'6796'73' A"=89'89D'73' 8;458' D8AB2.05'73' 57.0A6'<27'.8AB2.'C09'.;0'A60' 73'3450'89D'.;0'C89A38=.A50'73'4579'# 20'8DG ?89.8B06'.209=0'D054?0D'.7'.20'2AC89'58=0'06.8G ;"4620D'8'="84C'375'.20C'.7'D4?490'2797A56'89D' .20@'<050'8D750D'86'B7D6'49'D4330509.':"8=06*1' 2045' C@6.05406'<050' 00"0;58.0D'<4.2':57G 37A9D'60=50=@'89D'.20'C76.'50C85F8;"0'308.A50' 8==75D49B'.7'<28.'286';009'50"8.0D'73'.20C'46' .28.'.2760'<27'28D'.20'B77D'375.A90'.7';0'494.4G 8.0D'<050':57.0=.0D'357C'8""'D89B056'86'<0""';@' "89D'86';@'608*1 00';0"7<' ' 03 =F20"'68@6'.28.'T.246'46'.20'79"@'=749'73' #7C89'D4D'" ' 6 %'4.60"3'73'.20' B508.06.'5854.@'A:79'<24=2'^.20'98C0'89D'.@:0' 730' 8;45A6'46'37A9D';A.'73'<27C'350SA09.' C09.479'46'C8D0'79'.20'=7496'73'.20' 20668E "7A4896'<2760'.A.0"85@'D04.@'20'<86'# 89DA54' .20503750'4C:A.06'.20'4C:5066'73'.20'D04.@L6' 4C6 0'79'.246'=749'.7'8'B58.03A"'300"49B'79'.20' :85.'73' "8AD4A6'4986CA=2'86'.20'&7.26'8.G .0C:.49B'.20'640BD'73' 20668"794=8'86'n764CA6' 89D' 50;0""4A6'50"8.0'<050'50:A"60D';@'.20'.A.0G "85@'D04.@'73'.28.':"8=0*U 1 # ' ' ' ??"'# ?44'#:' >*'O' ! ' ' *1 '.0C:"0'73'37A5'07E' 9C96'49'<24=2'A"=89'6.89D6';03750'89'89?4"' 27"D49B'49'246'54B2.'289D' 8'28CC05'89D'49'246'"03.' 8':845'73'3450E.79B6'"$ 0 + % EEEEE 20'8;7?0'8:G :0856'79'8';4 79'=749'73' 8"05489A6'6094 75';<27' 8==75D49B'.7' 546.89' T';A4".U'75'8==75D49B'.7' 84""89.'T'506.750D U'.20' .0C:"0'73' A"=89'8.'#7C0'49'75D05'.7'509D05' .28.'B7D':57:4.47A6'.7'24C'89D'246'85C6'375' <24=2'20'28D'8.'.20'.4C0'B508.'0C:"7@C09.' 8B8496.'67'C89@';85;857A6'98.4796'86'.209'86G 684"0D'.20'0C:450*1 00' o" ' +' ' # * 1 20' 208D6'7::764.0'.7'08=2'7.205'73'.20' A9'58D4G 8.0D'89D'73' 8C6'8"67'58D48.0D*1 246'8::0856' 79'8'.245D';5866'73' 8C6'T'<27'D06450D'M68@6' 89DA54N'<24"0'6.4""'"4?49B'.7';0'<75624::0D'86' 89D'=8""0D'8'B7D 1 8'38=.'49D4=8.0D';@'.20'::70.6' 73'.28.'8B0';@'<27C'<209'@0.'504B949B'20' 46'2797A50D'86'8'D04.@*U 1 2050'46'8"67'8'B7"D' =749'73' 85A6';08549B'.20'68C0'"0B09D'89D'.20' 208D'73'.28.'0C:0575'79'4.6'7;?0560'89D'?4=E' '4 ' ?7'# <4.2'.20'.@:0'73'8' 4=.75@'6.89D49B' 79'8'B"7;0'79'4.6'50?0560*

H> b #* #* 1 *

' &8A"' 0?=5A6 50.A590D' .7' #7C0 ' 89D' ;03750' 20' :57=00D0D' .7' <8B0' <85 49' :05679' 8B8496.' .20' 85.24896# 89@' 496=54: .4?0' C85;"06' M49' &5AE' .05 9D' 758.754N' 8"67' =8D4 858=8""8' ; ' + ' 9'.20' 68C0' C89905' .20' =097.8:2' 8.' 468' D06=54;06' 84A6' 80685' .20' 679' 73' B54: .8' 86' T' 8"508D@' ' :549=0' 73' .20' C76.' A6.' =2858=.05' 89D' :0530=."@' 5060C;"49B' 246' :8509.' 49' 8"" ?45.906 L' 4# 0# ABA6.A6' <27' 8D7: .0D' 24C' 89D' 79' =7496 73' .20' @085' A# =# > ' 9 ' ' ,N' 4.A6' 46' =8""0D' + ' ' 1 00' =F20"' ?44# > *

20' :79.434=8"# 496.5AC09.6' 50305' .7' .20' 67?0G 504B9' :5406.277D' =7930550D' A:79' 858=8""8' ;@' 246' 38.205' 89D' .20@' 6A: :"@' .20' :"8=0' 73' .20' .4.A"85' 494.48"6 # ' ' "! -$ ' 73' 7C4.G .0D' 49' .20' "0B09D' 73' .246' =749*

#' 8'"08:05' 8' ?8A".05' .20' .0=294=8" 8: :0""8.479' 73' 8' 675.' 73' 54D056' <2760' :58=.4=0' 4.' <86' 49' .20' =45=A6' B8C06' .7' A5B0' .<7' 275606' .7' .2045' A.C76.' 6:00D' "08:49B' 357C' 790' .7' .20' 7.205' <4.2' 6A5:54649B' 8B4"4.@' <4.27A.' 6.7::49B#' 20' .05C' <86' 8"67' 8: :"40D' .7' .276:' @7A9B' #7G C896' 67C0' 73' .20C' 73' .20' 24B206.' 589F' <27' 97.' =79.09.' <4.2' D54?49B' ;4B60' 89D' SA8D54B80' 49' .20' =45=A6' =8540D' .20' 504BA49B' .86.0' 375' .2060' 0I05=4606' .7' .20' A.9K76.' 0I=066# 20@' .77' C7A9.0D' ;850E;8=F0D' 275606' 54D49B' 790' 73' .20C' 89D' "08D49B' 897.205' 49' 289D# 9' .2060' .20@' 8".0598.0"@' ?8A".0D' <24"6.' B8"" 7::49B' 89D' .2A6' =289B0D' .2045' :764.479' C89@' .4C06' <4.2' <79G D053A"# =0"054.@' 83.05' .20' C89905' 73' 8' .577:' 73' 27560' 49' .20' AC4D489' 85C@' 86' D06=54;0D' ;@' 4?@' MII444# >aN# 20' #7C89' D=6A".75' <750' 8' + ' 75' =8:' 73' 30".' 89D' 246' 27560' <86' <4.27A.' 8' 68DD"0' ;A.' 20' 28D' .20' A60' 73' ;7.2' <24:' 89D' ;54D"0*

57C' .2060' ?7"8.4"0' 308.6' 73' 27560C89624:' .20' .05C' 8 ' <86' ;@' 8' C0.8:275' 8: :"40D' .7' .20' 34=F"0' 89D' 49=796.89.' 89D' .7' .2760' <27' <050' :5790' .7' ;0.58@' 8' =8A60# 9D' 67' ?4D' 68@6' 73' 24C60"3' M C75# 4# 0"0B# H' ?# , [N/1

79' C424' C4""0' :"8=09.'979'6AC' 8 '8C7546# .28.' 46' T' '8C' 97.' 8' 34=F"0' "7?05*U

20' 50C85F8;"0' .@:0' 0I24;4.0D' 79' .20' 50?0560' 73' .20' 8;7?0' 09B58?0D' D09854A6' M.20' 7;?0560' ;0856' .20' 208D6' 73' AC8' 89D' 9=A6N' 46' D0G 6=54;0D' ;@ @B49A6' 9 $' N' <209' 6:08F49B' 73' .20' . 1 (209=0' 8"67' .20' #7C896' F00:' A:'.20' =A6.7C' <209' .20@' 0I24;4.' 8' 8' :' 375' 790' 49D4?4DA8"# C898B06' .<7' 275606' <4.2' 8' =8:' 79' 246' 208D' 89D' "08:6' 357C' 790' 27560' .7' .20' 7.205' 49' C0C75@' 73' 246' M4# 0# 7""AIN' 50:50609.49B' 246';57.205' M 86.75N' 86' <0"" 86' 24CG 60"3*U 1 9' =79375C4.@' <4.2' .246' 8==7A9.' .20' ' 46' 50:50609.0D' <08549B' 8' =8:' 73' 8' =794=8" 375C' D7A;."066' .20' C750' ="760"@' .7' 4C4.8.0' .20' 476=A54' <2760' =8:6' <050' 73' .246' F49D' 86' 46' .06.4340D' ;@' 9AC057A6' C79AC09.6' 89D' 8"67' ;@

A=489' " m ' ' H N' <27' =8""6' .20C' ' S1' 37$ + 3 1 T' .20' 28"3' 60BC09.' 73' 89' 0BB U' ;@' <24=2' <86' 49D4=8.0D' .20' C@.2' <24=2' 83345C6' .20456;049B' 6:5A9B' 357C' 89' 0BB* 1 =F20"# .209' SA7.06' .20' ?05606' 73' 7C05' k 3' # ?# aN' 67' B58:24=8""@' DO6=54:.4?0' 73' .20' 0I:"74.6' 73' 8' 3' .7' .20' 37""7<49B' 0330=.' / 1

T' 6' <209' 8' C89' <0""E6F4 0D' 49' .20' C898B0G C09.' 73' 58=0' 275606' <27' 83.05' 60"0=.49B' 357C' 8' CA".4.AD0' 37A5' 6.00D6' 2A55@49B' .20C' 357C' .20' :"849' D54?06' .20C' .7' .20' =4.@' ;@' .20' CA=2E350G SA09.0D' 578D' ' 89D' =57<D6' B8\0' 79' 24C' <4.2' 8DC458.479' ;7.2' C09' 89D' <7C09' <24"6.' 20' <4.2' 345C' 608.' 89D' 49' 60=A54.@' "08:6' 8".0598.0"@' 357C' 790' .7' 897.205' .20@' 3"@49B' .20' <24"0*U

894"496' 8"67' <0"# 4""A6.58.06' .246' .@:0' " ' □' [N/1

0=979' 8".0597' !- '64D050' D7567' %A8D5A:0DAC' 0.' 6.8;4"06' :7.054.' D04"B05=' :"89.86' 05SA0' ?7"8;4.' 0SA76' " D076' :05' .05B8' ?7"89.AC*

^ 20' 3' .77' C8@' 8"4B2.' 8".0598.0"@' 7A' .20' ;8=F' 73' 08=2' SA8D5A:0D' 89D' :"8@49B' 246' 345C' 300.' 3"@49B' 8C4D6.' .20' 275606' 89D' :"8@49B' 246' :589F6' 7?05.2045';8=F6' 86' .20@' B7 8.'3A"# 6:00D*0 246' .@:0' <86' 60"0=.0D' ;@' 0967549A6' 49' C0G C75@' 73' 8' =0"0;58.0D' 6005" % 73' .20' 85=48' 38C4"@' 98C0D' 85=486' <27' 6ABB06.0D' .7' .20' 098.0' .20' 06.8;"462C09.' 73' .20' ' + ' 1 SA06.5489' B8C06' 49' 2797A5' 73' :7""7* 6' 8' 9AC46C8.4=' 4""A6.58.479' .20' 3750B749B' =A.' 46' 49605.0D' 357C' 8' =749' 73' .20' 35=48' B096' <24=2' 0I24;4.6' 797' 73' .20' 8 F3' <4.2' =794G =8# =8:' 89D' <4.2' <24:' 49' 54B2.' 289D' A5B49B' .7' .2045' 3A""06.' 6:00D' .<7' 275606' 790' 73' <24=2' 20' 46' 54D49B' .20' <508.2' 89D' :8"C' 86' 6@C;7"6' 73' ?4=.75@' 8==7C:89@' .20' 0SA06.5489' B57A:' 79' .20' =:A 48' 89D' 7.205' 38C4"@' =7496# 00' 8"E :AC48' B096' M:# , N' 79' ' ' $' <24=2' 46' 2' 34BA50' 73' 8' C89' <4.2' 80:8"C' ;589=2' 79' 246' 627A"D05' 54D49B' 8' 27560' 8.' 8' 58:4D' 58.0 1 ;A.' <24=2' =F20" D706' 97.' =7964D05' .7' .@:43@' .20' ' <27' 20' 7;605?06' 28D' 8.' "086.' & ' ' 49' 289D' 86' 0I0C:"4340D' 49' .20' D09854A6' 09G B58?0D' 49' "03.E289D' =7"AC9* 1 75' .2500' 7.205' 4""A6.5847 96' 73' .20' 6A;0=.' 600' 5# C4.2I6. 0 3' $' 4 ?' '6 ' 0 ':# H> ' 85.4="0' 0 * # 0?4=.46*) ' #) *E 79SA05=D' =7A9E# .5406' 75' :57?49=06' 850' 49D4=8.0D' 79' #7C89' =7496' ?05@' 350SA09."@' ;@' 34BA506' 608.0D' 89D' <#=0:49B' 375' 97.' 79"@' 8C79B6.' .20' K0<6' 89D' :07:"0' 73' .20' 86.' B09058""@' .20' 64..49B' :76.A50' 64B9434OD' B5403' ;A.' 8"67' 8C79B6.' .20' &500F6' .20' .5A6G =896' 89D' 7.2056' 86' &754' 620<6' 49' 246' ' , 1 0V o ! ' !" ' M:# H>N 1 !" ' M:# , N 1 <0 F / ' & # *EEEEE & ' # E ' + 1 00' & * !" ' " * 1 600' 8"67

b ' M 258=48N' ' ' 97<' 05F79' 49' ' AC4"48' A57:089' A5F0@# 9=409.' 0A"E .A58' <86' 64.A8.0D' 79' .20' 85@6A6' 9085' .20' 7A.G 3"7<' 73' .28.' 54?05' 49.7' .20' AI490' ;0.<009' 060C2548' 89D' :7""7948* 1 ==75D49B' .7' 7"@E

;4AD' 258=0' <86' =7"79460D' 97.' 79"@' ;@' .20' #7C896' ;A.' 8"67' "79B' ;03750' ;@' .20' &500F6' 89D' .246' =4.@' 46' 684D' .7' 28?0' ;009' 754B498""@' 37A9D0D' ;@' 4"06489' 0C4B589.6#' .6' 98C0' 46' D443050A."@' 6:0"." ;@' D4.30509.' 8A.2756#' .7"0C@' =8""4' 4.' . :' CC489A6' *) :' 89D' 49' .20' T' =.8' 79= 475AC U' 4.' 46' D097C498.0D' .) 1 84""89.' k ' ' ¼ 8D7:.6' .20' 8::0""8.479' B4?09' .7' 4.' ;@' "49@' 98C0"@' 0A"E' .AC ' <2050' 8' =7"79@' 73' ?0.05896' <86' :"89.0D' ;@' 06:86489#' 246' #7C89' 60.."0C09.' 866AC0D' 246' 38C4"@' 98C0' ! :' 89D' 79' 8==7A9.' 73' 246' 50C84#F8;"0' .7F096' 73' D0?7.479' .7' .20' B7DD066' 73' 08=0' M.7' <27C' .28.' 0C:0575';A4"." 8' .0C:"0' 8.' #7CON' 4.' <86' =8""0D' ! ' 75' ! 7 1! 20' :"8=0' <86' 79=0' 6A557A9D0D' <4.2' 6.579B' <8""6' 89D' 6.4""#' 0I24;4.6' .20' 50C8496' 73' 4.6' 58C:85.6#' 20' =7496' 73' 0A".AC' 850' ' 4C:0548"' 49' 6C8""' C4DD"0' 89D' 3456.';5866#' 20@' =7CC09=0' ¯ ¯a' 89D' 09D' ¯ ¯> a' 89D' 850' 496=54;0D' 4.205' <4.2' .20' 494.48"#' "0..056' =#' * * * 75' <4.2' .20' 8;;50?48.0D' <75D6' " o' %o' # "' o' M 7"7A48'548?48' 8=09646' ^75' 8=434=80' %

20' C:05756' 806856' 89D' C:506606' .7' <27C' .246' =7"79@' D0D4=8.0D' .20' :57DA=.6' 73' 205' C49.' <050 1 58 844A6' 8=549A6' 48DAC09499A6' "0I89D05' 0?05A6' 894808' 814C49A6' 814G CA6' &75D489A6' 4A6' 589SA4""498' 24"4::86' 609475' .8=4"48' 89D' 24"4::A6' A9475*

20'D0 06'<75624::0D'8.' 0A".AC'89D'<2760' 4C8B06' .2045'506:0=.4?0'8..54;A.06'8::085' 79'205'=7496'850'86'37""7<'/1 :7""7' M.20'.A.0E' .0"85@' B7D' 73' .20' =4.@N' * 6=A"8:4A6' 8==2A6' 0506' @;0' 4898' 75.A98' @B048' KA:4G .05' 4905?8' 0C064"' 4"09A6' 89D' 058:46*

064D06'.20'8;7?0'.@:06'.2050'850'7.2056'79' .20'=7"7948"=7498B0'73'.246' 258=489'=4.@;6A=2' 86'8';A""L6 208D'79'8'. :4D';5866'73' 58 89' .20' 4 [' -)F3 A9D05' "0I89D05' 0?05A6' 8' "479' <4.2' 24"4:' 609475' 89D' A9475' 79' 4.6' 7;?0560' "0B47985@' 08B"06' 89D' 7.205' #7C89' C4"4.85@' 6.89D85D6' 50305549B' .7' .20' 754B498"' :07:"49B' 73' .20' =7"79@' <4.2' ?0.0589' 67"D4056' M09B58?0D' 49' 84""89.' 44#' :#, [[N' .20' (7"3' 89D' .<496' 79' 60=79D' ;5866' 73' 858=8""8' 89D' 8=549A6' .20' D7":249' 49' 6C8""' ;5866' D0D4=8.0D' .7' 814CA6' 334685' .20' .2500' &58=06' 496=54;0D' .7' "0I89G D05' 0?05A6' =# =# 9"@' .<7' 6A;0=.6' 28?0' 89@' D450=.' 8""A6479' .7' .20' "7=8"4.@' 73' 0A".AC'# 9' 09B58?49B' 73' 790' 73' .20C' 46' 2050.7' 6A;G 7490D'/1

6 *1 <7' 73' .2060' 3"A?48"' :05679434G =8.4796' 790';085D0D' 27"D6' 8' 500D' 49' .20' 54B2.' 289D' 49' .20' "03.' 8' =75E' 9A=7:460' 506.49B' 79' 89' A59' <209=0' <8.05' 3"7<6#' 20'7.205' 8' 30C8"0' 34BA50' 49' "79B' D58:05@' 8"67' 27"D6' 8' 500D' 49' 790' 289D' 89D' 506.49B' 49' "4F0' C89905' .7' .20' 7.205' 79' 89' A59#' ;7?0' .20' 30C8"0' 34BA50' 46' 8'*624:' <4.2' 684"# 246' 8::0856' 79' 8' 60=79D' ;5866' 73' &75D489A6' *' <4.2' "0B09D' 73' " o' #o' # "' o' ' ' ' ! ' # ' .

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^ 2050' 46' 897.205' 50?0560' 73' .246' =749' ?85@G 49B' 49' .20' B57A:49B' 73' .20' 7;0=.6' 357C' .20' 8;7?0' 8"67' B4?09' 49' 84""89.' M44#', N' <27' 7;G 605?06' .28.' T' #4?056' 0C:.@49B' .20C60""?06' 43..7' .20' 608' 850' D0:4=.0D' 79' 89=409.' C0D8"6' 4CD05' .20' 34BA506' 73' 7"D' C09' <4.2' 3"7<4AB';085D6' 86' .27AB2' .20@' <050' .20' 38.2056' 73' 7.205' 6.508C6#' A.' .20' :05679434=8.4796' 73' .2760' 54?056' <24=2' D46=285B0' .2045' <8.056' 49.7' 7.205' 54?056' 850' 50G :50609.0D' <4.27A.';085D6# 20' 98C0' 73' .20' 54?05' <24=2' 466A06' 49.7' .20' 85@6A6' M9085' .20' ;89F6' 73' <24=2' 0A".AC' 8::0856' .7' 28?0' ;009' 64.A8.0DN' 46' 97.' 37A9D' 49' .20' B07B58:2406' 73' 449.4SA4.@#' 20' 684"49B' ?0660" D097.06' .28.' .20' 85@6A6' <86' 98?4B8;"0#' 20' =759A=7:480' 49D4G =8.06' .20' 833"A09=0' D054?0D' .7' .20' =4.@' 357C' 4.6' 98?4B8.479#' ==75D49B' .7' "49@' 0A".AC' <86' 64.A8.0D' 79' 8' "8F0*UQ

.K *1 3' "A.85=2' 46' .7';0' =50D4.0D' 7A' .20' 6A;0=.' AC8' 7C:4"4A6' 28D' B4?09' .7' .20' #7G C896' 67' 6A;"4C0' 89' 4D08' 73' .20' A:50C0' 049B' .28.' =79?49=0D' 73' .20' 4C:7664;4"4.@' 73' 8554?49B' 8.' 8' F97<"0."BO' 73' 4C' 0I=0:.' .257AB2' .20' AAD=56.844D49B' .20@' 50B85D0D' 4.' 86' 8' 68=54"0BO' .7' 50:50609.' .20' 04.@' A9D05' 89@' 2AC89' 375C'# 9D' 8==75D49B"@' 375' 8' .4C0' 4.' 46' 83345C0D' 904.205' 34BA50' 975' :849.49B' 73' .20' B7D6' <86' 6009' 8.' #7C0' 8".27AB2' .0C:"06' <050' 050=.0D' .7' .20C' 49' <24=2' .20@' <050' <75624::0D*1' 20' A60' 73' 4D7"6' <86' D054?0D' .7' .20' #7C896' 357C' .20' A6=896' 89D' 357C' .20' &500F6#' .' <86' C849"@' 357C' .2760' .<7' 67A5=06' .28.' .20@' D50<' .2045' 6A:056.4.4796' 89' .20@' 83.05<85D6' 4CG :57?0D' A:79' .2045' C7D0;# 75' <209' #7C0' ;0G =8C0' C46.5066' 73' 8' B508.' :85.' 73' .20' <75"D' 620' 8""7<0D' 8"C76.' 0?05@' 37504B9' 50"4B479' .7' ;0' 49G .57DA=0D' <4.249' 205' <8""6' 89D' .2050' C4B2.';0' 6009' 49' .28.' =4.@' 86' C89@' D4?494.406' 86' <75624:G :056# 7' B508.' 49' 38=.' <86' .20' 9AC;05' 73' 6.8.A06' 5846OD' 49' 2797A5' 73' .2060' B7D6' 86' .7' B4?0' 5460' .7' .20' 68@49B' .28.' .20' 49894C8.0' :750' .479' 73' .20' :07:"0' 49' #7C0' <86' "85B05' .289' .28.' <24=2' <86' "4?49B' 8".27AB2' .20' "8..05' 8C7A9.0D' .7' C4""4796# 20' #7C896' D4?4D0D' 8""' .2060' D04G .406' 49.7' D4330509.' ="86606' ?4\#' .2760' 73' .20' 3456.' 75D05' <24=2' D0:09D0D' "4F0' .20' 506.' 79' 8.0*1' 2760' 73' 89' 49305475' 75D05' 89D' 8""' .20' 7.205' C4975' B7D6' 89D' B7DD06606#' 2760' <27' :5064D0D' 7?05' 08=2' :"8=0' 75' 08=2' 98.479#' 2760' <24=2' <050' 8664B90D' .7' 08=2' 49D4?4DA8"' ;049B' 89D' 0?09' .7' C76.' 2AC89' 8=.4796#' 20' "86.' 98C0D' <050' 49G D00D' 67' C89@' ' <27C' .20@' C8D0' 67C0G .4C06' C86=A"490' 67C0.4C06' 30C494A0' 89D' .7' .2060' .20@' :84D' 8' :85.4=A"85' <75624:' 37""7<49B' .20' ;09.' 73' .2045' 6A::760D' <89.6' 89D' =79375CG 49B' .7' .20' =8:54=0' 73' .2045' D0?7.4796*

75' 8' 6A=2' ="86606' 73' D04.406' 86' 850' 37A9D' 8""AD0D' .7' 49' .20' "0B09D6' 75' .@:06' 73' #=448A' 7496' 600' !! ' C"' M:# H> N*

' ' # *1 '=5766'6.89DG 49B' 79' 6.0:6 1 246' "0B09D' 89D' .@:0' 8::085' 79' 8' "85B0' 64"?05' C0D8""479' 73' 058="4A6' *' =F20"# 68@6' 73' 4.1T 246' :47A6' C0D8"# 8::0856' <4.2' 7.2056' .7' 28?0' ;009' =7490D' 357C' .28.' 64"?05' <24=2' 7A' .20' 0?0' 73' 8' <85' <4.2' .20' 0564896' .20' 0C:0575' .7' 6A:;"@' 8' D034=409.' .5086A5@' .77F

68C0' 0C ; 0""46"4C09.6 ' 86' 796.89.490l6≠ 97.205' :5773' 73' .20' 49=79646.09=@' 73' .28.' : 8B89' :549=0≠ 246' 57@8≠ D0=758.479' 73' .20' 208D' :50?84"0D' "79B' 83.05<85D ' .27AB2' 4.' 7==864798""@' B8?0' :"8=0' .7' .20' 20"C0.* 1 9' .246' 8A ; 0=. ' 600' .20' <75D' ;

9' 8' =749' 73' .20' 0509.48' 38C4"@ ' .20' ; 085D0D' 208D' 73' %A4549A6' M ' 7CA"A6\ 8 : : 0856' 27A9D' <4.2' .20' D48D0C ' 83.05' .20' 018C : "0' 73' 7.205' F49B6 ' ; 7.2' A57 : 089' 89D' 648.4=≠ 9' 8' D09854A6' 73' .20' 8" : A5948' B096 ' .20' ; 085D0D' 208D' 73' 0I24 ; 4.6' 4.60"3' <4.2' .20' D48D0C≠ 9' 8' =749' 73' 7 : 7948' 46' .20' D48D0C0D' 208D' 73' : 7""7≠ 9' 8' =749' 73' 85=48' 46' .20' 208D' 73' " ' 8"67' <4.2' .20' D48D0C≠ 90' 73' .20' =796.89.' 6@C ; 7"6' 73' .20' 4C : 0548"' D4B94.@ ' .20' ' 49' C7D059' .4C06 ' .27AB2' 4.6' 375C' 46' ?05@ D4330509. ' 286' 49' 98C0' ; 0=7C0' 6@9794C7A6' <4.2' .20' <75D' &

75' 8' 3490' 018C : "0' 73' 89' 4C : 0548"' D48D0C ' 600' 796.89.490' .20' &508.' M : ≠ >[N*

≠ H>H

< o / # ! " ' ! ! ' M?8"A0D' ; @' 479E' 90.' 8.' ' ' ' 35*N 1 # ' # $06 " ' M ' 35*N

!O * / %! ' !O! ' M ' 35*N

* ' OO! / # * ! " ' ! !

8 ! * ' * / ' # o ' ! ' ! .' ! ' A6.' 73' 48DAC=9489 ' .7' .20' 54B2. ' ; 850' 208D ' 28 ; 4.0D' 49' .20' : 8"AD8490A.AC*

6 / # * ! " 9 # ^ ! ! ' # ' $' ' H 1 20' @7A9B' 40685 ' <08549B' .20' : 84AK8C09.AC ' 6.89D6' ; 850E208D0D ' 27"D49B' 49' .20' 54B2.' 289D' 89' 0964B9 ' 89D' 49' .20' "03.' 8' 6 : 085 ' 79' 246' "03.' 850' .<7' 7.205' 0964B96' : "89.0D' 79' .20' B57A9D≠ 9' .20' 340"D' 6≠ =*

^ ' 3490' 6 : 0=4C09' 73' .246' "85B0' ; 5866' ; 57AB2.' $H' 8.' .20' 0?7962450' 68"0* 1 57C' 897.205 ' 49' .20' 24B206.' 6.8.0' 73' : 50605?8.479 ' .20' : 50=0D49B' .@ : 0' 73' .20' 7 ; ?0560' 286' ; 009' 384.23A""@' 09B58?0D ' 89D' 89' 8==A58.0' =A.' 357C' 4.6' 50?0560 ' 0SA8""@' 50C85F8 ; "0' 375' 4.6' 3490' <75FC89624 :' 86' .20' qN75E' .584. ' <4""' ; 0' 37A9D' AAD05' # * ! " ' ! ! P

b ' " ' 1+ % ' 679' 73' 8=549A6 ' 89D' 73' 7948' 0"68 ' <86' ; 759' 49' .20' @085' 73' #7C0' a .' 9 ' ' > N ' 79' .20' , a.2' 73' 0=0C ; 05 ' .20' 8994?05685@' D8@' 73' .20' ; 45.2' .N3' 9.7949A6' 4A6≠ 8=549A6 ' ; 0=7C0' 0C : 0575' ≠ ≠ >, ' B "?0 .7' 246' 679' .20' 98C0' 73' 9.7949A6 ' 89D' .20' .4."06' 73' 606F5' 89D' 73' 549=0' 73' .20' 7A.2 ' 89D' 49' > , ' 98C0D' 24C' ABA6.A6 ' 8".27AB2' 20' <86' .209' 79"@' .09' @0856' 73' 8B0* 1 ' 20' 38""' 73' 8=549A6' 37""7<0D' 67' ="760"@' 79' .20' 0"0?8.479' 73' 246' 679' .7' .20' D4B94.@' 73' ABA6.A6 ' .28.' 97' =7496' 6.5A=F' 49' .20' 98C0' 73' .246' @7A9B' : 549=0' 850' F97<9' .7' 28?0' .246' .4."0≠ 8=549A6' 28?49B' ; 009' D0308.0D' 609.' 48DAC09489A6' .7' 5.8 ; 8906 ' ' 49B' 73' .20' 85.24896' ' 2A.' .20' 67"G D4056' 09.5A6.0D' <4.2' .20' =285B0' 73' =79DA=.49B' 24C' .7' .20' .0554.75406' 73' .28.' 086.059' C7985=2 ' D0"4?050D' 24C' 7?05' .7' .20' : 85.46896' 73' "8B8E' ; 8"A6 ' 89D' 20' <86' 6"849≠ 57C' 246' C8.0598"' B589D38.205' 20' 492054.0D' .20' 98C0' 73' 48DAC0E' 9A8 ' <24=2 ' 79' 246' : 50.09D0D' 8D7 : .479' 49.7' .20' 38C4"@' 73' .20' 9.794A06 ' <86' =289B0D' 49.7' 48G DAC09489A6≠ 46' : 75.584.' 79' =7496' D706' 97.' 896<05' .7' .20' D06=54 : .479' <24=2' 8C : 54D4A6' B4?06' 73' .20' 0I.50C0' ; 08A.@' 73' .246' =24"D≠ 0' 46 ' 79' 9AC46C8.4=' C79AC09.6 ' 6.@"0D' ' # o ' x ' M #N ' 75' ≠ ≠ 4 * 1 20' 64"?05' =7496' 73' 48DAC=9489' 850' 5850 ' .20' B7"D ' 73' .20' 24B206.' 5854.@≠ 0=79D' ; 5866' 850' 5850' ' 3456.' ; 5866' ?05@ 5850* 1 7.<4.2G 6.89D49B' .20' 6275.9066' 73' 246' "430' 89D' 504B9 ' .20' 9AC ; 05' 73' =7496' C49.0D' 49' 246' 98C0 ' : 85.4=AG "85"@' 7A.' 73' #7C0' 46' =7964D058 ; "0≠ 4=' 37"G "7<49B' 850' 8C79B' .20' 58506.' 50?0560' / 1

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' 89' .8"489' 4?494.@ ' 83.05<85D6' 50G B85D0D' 86' 4D09.4=8"≠ <4.2' .20' B7DD066' <27C' .20' &500F6' =8""0D' L : 50 .4* 1 ==75D49B' .7' 4=057' "# ' ; % .2050' <050' .2500' 73' .246' 98C0 ' 73' <27C' .28.' C76.' =7CC79"@' =0"0 ; 58.0D' 8C79B' C@.27"7B46.6' <86' .20' D8AB2.05' 73' KA : 4.05' 89D' 8.798 ' 89D' .<49' 646.05' 73' : 7""7≠ 4898' <86' <75624 : : 0D' 49' ?8547A6' <8@6 ' 89D' A9D05' ?8547A6' 34BA506 ' ; @' D4?056' 89=409.' 98.4796≠ 9' 54?8"624 :' <4.2' .20' 64C4"85' ="84C6' 73' 0"76 ' .20' : 2064896' 866AC0D' .20' 2797A5' 73' .2045' =4.@' 28?49B' <4.G 90660D' .20' ; 45.2' 73' 4898 ' 89D' .20' C76.' 38C7A6' 73' 205' .0C : "06' <86' .28.' 49' .2045' =4.@≠ F4"3A" ' "4F0' : 7""7 ' 49' .20' A60' 73' .20' ; 7<' 205' 0C : "7@G C09.' 79' 085.2' <86' .20' =2860 ' 89D' 43' 205' ; 57G .205' <050' .20' B7D' 73' D8@ ' 620' A9D05' .20' 98C0' 73' ' .20' C779 ' 09"4B2.090D' C75.8"6' DA549B' .20' 94B2.≠ 20' <86' .20' : 8.579066' 73' ?45B494.@ ' 89D' .20' : 5064D49B' D04.@' 7?05' =24"DE ; 45.2 ' 79' <24=2' 8==7A9.' 620' <86' =8""0D' '75' - ' #) 3' <209' 49?7F0D' ; @' <7C09' 49' : 85.A54.479 ' 89D' 54?48 ' <209' <7562 4 : : 0D' 49' .20' =5766E<8@6 ' <2050' 205' 6.8.A06' <050' B09058""@' 050=.0D≠ 20' 085"406.' .58=0' 73' 205' <75624 : ' 8.' #7C0' 7==A56' 49' .20' .58D4.479 ' .28.' 05?4A6' A""4 46' D0D4=8.0D' .7' 205' 8' .0C : "0' 79' .20' ?09.490' C7A9.≠ 4898' <86' : 57.0=.5066' 73' .20' 6"8?06 ' 89D' .20' D8@ ' 79' <24=2' .28.' .0C : "0' 28D' ; 009' D0D4=8.0D ' 46' 684D' .7' 28?0' ; 009' 83.05<85D6' =0"0 ; 58.0D' 0?05@' @085' ; @' 6"8?06' 73' ; 7.2' 6016 0 ' 89D' <86' =8""0D' .20' D8@' 73' .20' 6"8?06≠ M 00' 5≠ C4.216' ; K' $' 6 ' $ 7 $% 1 9' =7496 ' B0C6 ' 89D' 7.256' C79AE' 940A.6' 73' 8A444 : 44"@ ' 4898 ' 86' .20' , +

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&7DD066 ' 46' 50 : 50609.0D' ;@' 89' 4C8B0' <4.2' C89@' ;5086.6 ' 49D4=8.49B' .20' :"09.07A69066' 73' 98.A50#' 6' 3' 620' 6.89D6' 04.205' D50660D' 49' .20' 6.7"8 ' 27"D49B' 8' "4B2.0D' .75=2' .5896?0560"@ ' 49' ;7.20' 289D6 ' 75' 620' <0856' .20' "A985' =506=09.' 79' 205' 208D ' 89D' D54?06' 8' =28547.' D58<9' ;@' .<7' 6.8B6 ' 27"D49B' .20' 50496' 49' 790' 289D ' 89D' 8' ; A59G 49B' .75=2' 49' .20' 7.205 1 6' . ' ! ' M7 ' 73' 05B8N ' 205' 6@C ; 7'# 46' 04.205' 8' 6.790 ' 75' 67C0' =@"49D05E628 : 0D' ?860 ' C8520D' <4.2' =0"06.48'# 64B96' 89D' 34BA506* 1 6' . ' ' M.20' 2A9.5066N ' 620' 8 : : 0856' <4.2' ;7<' 89D' 8557< ' 86' 79' 8' =749' 73' &84K40AA6* 1 9' 8' =7960=58.479' C0D8'# 73' 8A6G .498' 609475 ' .20' 34BA50' 73' 4898' 49' 8' ;4B8 ' 46' .20' .@ : 0' 73' .20' C : 5066L6 0.0594.@* 1 (209' 620' : 05G 375C6' .20' : 85.' 73' ' 620' <0856' 8' =506=09.' 79' 205' 208D ' 89D' 205' =28547.' 46' 8' ;4B8' 73' ; A'"6 ' 86' 79' 8' 3456.' ; 5866' 73' KA"48' 7C98*

^ 9' 8' ;5866' C0D8""479' 73' 546 : 498 ' <4.27A.' "0B09D' 73' 50?0560 ' 46' .20' B58=03A'# 34BA50' 73' 8' 30C8"0 ' D50660D' 49' .20' ' 75' "79B' 3"7?@9B' 57 ; 0' 73' #7C89' C8.5796 ' 50=7B94\8 ; "0' 86' 4898' ;@' .20' ;7<' 620' 27"D6' 49' 205' "03.' 89D' .20' 8557<' 49' 205' 54B2.' 289D* 1 00' :50=0D49B' =A.' 357C' 8' =86.' 83.05' 8' 5850' 6 : 0=4C09' 49' .20' ') ' ' ! 2o'

20' B7DD066' 8"67' 8 : : 0856 ' <4.2' 8..54 ; A.06' 73' 04.205' ;7<' D7B ' 75' .75=2 ' 79' =7496' 73' ABA6G .A6 ' "7.498 ' 8A6.498' A9# A=4""8 ' "8A.4""8 ' &75D48AA6' 4A6 ' 8"05489446 ' 8"7948 ' 76.ACA6 ' "8AD4A6' &7.24=A6 ' %A49.4""A6# .' 46 ' 27<0?05 ' 8' =7C : 858.4?O"@' 5850' .@ : 0' 79' #7C89' M 7496*

9' 8' D09854A6' 73' 8' =796A"85' 38C4"@ ' 28?49B' 375' 4.6' "0B09D' 73' 50?0560' ' ; ; ' F ' 4898' 6.89D6 ' <4.2' 38=0' .7' .20' 3579. ' 27"D49B' 49' .20' "03.' 289D' 8' "89=0 ' 89D' 49' .20' 54B2.' .20' 27596' 73' 8' 6.8B' 508549B' ;@' 205' 64D0* 1 00' 76.4"48' B096* 9' 8' D09854A6' 73' .20' I648' B096' M600' :# , , N ' .20' 50?0560' : 50609.6' 4898' 6.89D49B ' 85C0D' <4.2' 8' 8?0"49 ' 49' 8' =85' D58<9' ;@' .<7' 6.8B6 ' 620' 46' : 50=0D0D' ;@' 8' D7B ' 89D' 37""7<0D' ;@' .<7' 7.2056# 1 246' D09854A6' 46' 8..54 ; A.0D' .7' A=4A6' I4A6' 867 ' <27' <86' :576=54 ; 0D' 49' .20' "86.' =4?4# <85' 73' .20' 50 : A ; "4=*

9' 8' 64"?05' =749' 73' .20' 7590"48' B096 ' 4898' 8 : : 0856' 6.89D49B' 49' .20' : 206489' 8..4.AD0' 89D' D5066* 1 M 9B58?0D' 49' ' ! ' 6 ' $ ' 44# 7# N*

20' 37""7<49B' 850' 8C79B' .20' C76.' 50C85FG 8 ; "0' 50?0560' 79' <"44=2' 4898' 46' .@ : 4340D' 49' .20' 4C : 0548"# 605406' 73' #7C89' =7496/ 1

' # &# . ' ' ' ' 6.8B* 1 246' "0B09D' 89D' .@ : 0 ' <4.2' ?8548.4796 ' 350SA09."@' 8 : : 0856' 79' =7496' 73' &8"E "409A6 ' <2760' 38.205' 8"05489A6' <86' 649BA"85"@ 8..8=20D' .7' .20' <75624 : ' 73' 4898' .20' 50605?05 ' 4967CA=2' .28.' 20' D0D4= 0D' 8' .0C : "0' .7' 205' 2797A5' 8.' #7C0' =8""0D' ' 1 ' 64C4"85' 0 : 4B58 : 2 1 ! ' " 1 <4.2' .20' 68C0' 6@C ; 7'# 73' .20' B7DD066' 73' .20' =2860 ' 8 : : 0856' 79' 8' .245D' ;5866' 73' 858964A6 ' <27' 8"67' :5730660D' B508."@' .7' 2797A5' .20' 6@"?89' DO4.@*

' . ' ! + 1 4898' 73' : 206A6* 1 246' 8 : : 0856' 79' 8' 64"?05' C0D8 479' 73' "8AD4A6 ' 6.5A=F' 49' 648# 20' B7DD066' 46' 50G : 50609.0D' 49' 89' 0"0B89.' .0C : "0' 73' 37A5' =7"AC96 ' 97.' <4.2' .A=F0DEA :' D5066" ' $ %' 86' .20' 8B4"0' 2A9.5066 ' ; A.' <4.2' 205' 648.4=' 8.G .54 ; A.06' 73' 208?@' 208DED5066 ' C89@E ; 5086.0D' ; A6.' "9+ %' 6<8DD"49BE="7.20D' ;7D@' 6A : : 75.0D' 79' 08=2' 64D0' <4.2' :57 : 6 ' 5060C ; "49B' .54D09.6' 50?0560D' 79' <24=2' 620' 506.6' 08=2' 289D ' A6.' 86' 620' <86' <75624 : : 0D' ;@' .20' : 2064896' 49' .# 8A"L6' .4C0# 20' .0C : "0' 2050' D0"4908.0D' <86' 7 ; ?47A6"@' 49.09D0D' .7' 8667=48.0' .20' 2797A5' 73' 4898' <4.2' .28.' 79=0' =0"0 ; 58.0D' 0D434=0' 8.' : 206A6 ' <24=2' .77F' 8""# 648' >> ' @0856' .7' ; A4"D ' 89D' =76.' 0576.58.A6 ' .20' 49=09D485@' ; A.' 8' C7G C09.' .7' 3450' 89D' D06.57@* 1 00' # AC05689L6 ; 08A.43A"# 09B58?49B' 73' .246' C0D8"' 49' .20' ""405' DL 8A.057=20' =7""0=.479 ' # I4?# 7# , *

20' 8A.2756' 73' 89.4SA4.@' 850' 97.' 8B500D' 86' .7' .20' 75D05' 73' .20' .0C : "0' 73' 4898 ' "49@' 86G 605.49B' .28.' 4.' <86' i ' ' <24"6.' 4.5A?4A6' 68@6' 4.' <86' ' B849 ' .20' 4C8B0' 73' .20' B7DD066' 46' 684D' ;@' 4.5A?4A6' .7' 28?0' ;009' 375C0D' 73' =0D85 ' 89D' +097 : 279' D06=54 ; 06' 4.' 86' 73' B7"D 1 ' D46=50 : 89=406' <24=2' C8@' ;0' 50=79=4"0D' ;@' 8' 50G 30509=0' .7' .20' D06=54 : .479' <24=2' 8A689486' B4?06' 73' C89@' B4"D0D' 6.8.A06# ! 20' <75D6' 73' "49@' 620<' .28.' .2050' <88' 67C0' D7A ; .' 86' .7' .20' C8.0G 548"' 73' <24=2' 4.' <86' 375C0D ' 2A.' <28.0?05' .28.' C8@' 28?0' ;009 ' .20' 34BA50' <86' 90?05' =289B0D ' .27AB2' .20' .0C : "0' <86' 506.750D' 60?09' .4C06*U 1 ' 00' ' ' $' ' &' ' ' ;@' K*' # F05C89 ' * * # :# * ' * 1 97.205' 64"?05' C0D8"'G "479' ;0856' 79' 4.6' 7 ; ?0560') ' 4<4 W5' E84 ' &# hWW' & ' 89D' .20' AB8.0D' 208D6' 73' "8AD4A6' 89D' B54 : G : 498* 1 9' 4.6' 50?0560' 850' .20' 8 ; 7?0' "0B09D ' 89D' .20' .@ : 0' 73' 4898' 73' : 206A6*

20' 8 ; 7?0' 09B58?49B' M375' .20' "789' 73' <24=2' .20' =7C : 4"05' 46' 49D0 ; .0D' .7' .20' F49D9066' 73' 5# F05C89N ' 509D056' 4.' A990=06685@' .7' B4?0' 8' C49A.0' D06=54 : .479' 73' .20' 375C' A9D05' <24=2' 4898' : 20648' <86' <75624 : : 0D*

T' 20' 8 ; 7?0' C0D8""479' M68@6' 7A5' 0C4909.' 9AC46C8.4=' 8A.2754.@N' 8 : : 0856' .7' 73305' .20' ; 06.' 50 : 50609.8.479' 73' .246' 50C85F8 ; "0' 4C8B0 ' 89D' 46' .20' C750' =A547A6 ' 86' 49' ; 08549B' .20' 208D6' 73' "8AD4A6' 89D' B54 : : 498 ' 4.' : 57?06' 4.60"3' .7' ; 0

z #* 7!" *

20' 50?05 ' 73' 9' ;40867 C0D8""479' 73'
x H 0I24;4.6' .20' B7DD066' 49' ." 46 =28580. 4 89D' 8.' .20' 68C0' ?4.2' BA4?05' 79' 627A"D05' ' ;0G 249D' 205' 46' 8' .500 ' ;03750' 205' 8' 249D' 75' 8.8B<0 ' 9B58?0D' 49' #' " ' 7 ' 3N"' ' 7# , * 9' 897.205' ;5866' C0D8""479' 73' .20' 68C0' 0C0' S 0575' -% 'L 7 ' "08?49B' .20' ;8.2 ' 6.89D6' 8"508D@' 50E0"7.20D' <4.2' 8' 6275.' .A940 ' 89D' 46' =7?0549B' 20560"3' <4.2' 7.205' I58:05@# =._79 ' 4"508D@ C0.8C75:2760D' 49.7' 8' 6.8B ' 46' 49' 3579.' 73' 205 ' 89D' 8' D7B' 46' 5A6249B' :79' .20' 49D46=500.' 2A9.05* 1 9B58?0D' 49' ' / ' 3 ' :4# I I# Kx # ' , H* 9' 8' 60=79D' ;5866 ' 6.5A=F' ;@' .20' #7C ' =7"79@' 73' 7549.2 ' .20' B7DD066' 6.89D6' <4.2' 8' ;7< 49' 205' 0I.09D0D' "03.' ;894" ' <24"6.' .20' 54B2.' 46' 58460D' 49' .20' 8..4.AD0' 73' D58<49B' 9' 8<7<' 357C' 205' SA4?05# .' 205' 64D0' 46' 8' 6.8B* 1 90' B58?0D' 49' C4"89.' 44* 1 ' K:' / ' # *1 2E *9 ' ' $ 1 4898' 6.89D49B' <4.2' ;7< 89D' 8557<# 246" "0B09D' ' <24=2' 3456.' 7==A56' 79' 64"?05' 73' 50E ;79489A6' &8""A6 ' 46' 8"67' 6009' 79' =7496' MB7"D' 86' <0"" 86' 64"?05N' 73' 0C4"489A6* 1 T' .' 46' :57;8;"0' M68@6' =F20"N ' .28.' 49' .20' =7CC79' =8"8C4.406' 73' .2760' .4C06 ' 4.' <86' 7A.' 73' 506:0=.' .7' :7""7' .28.' 246' 646.05' <86' 7490D' (4.2' 24C# .205<460 ' 4.' <7A"D' 8:: 085' M357C' 8' =749' 73' 50;79489A6 ' D0G D4=8.0D' h[z J 4 2 1 R5 ' .28.' 49' .20' =0"0;58.479' 73' .20' 60=A"85' B8C06 ' 375' .20' 6830.@ 73' .20' 0C:450 ' .20' :549=4:8"# 2797A56' <050' =A6.7C854"@' :84D' .7' :7""7' 89D' 4898*U' ?44# H H* 40*' 4=.8.75* 1 &# *' 4=.8.75' 375' .20' .245D' .4C0* *' #.3_h*' 4=.8.75' 375' .20' 60=79D' .4C0* 1 &# % # *' 375' .20' 37A5.2' .4C0* *' # *' . ' ! + 1 05G :0.A8"' 4=.8.75* #*' ' C8B46.58.0' 0I.5875D4985@' 8::749.0D' ;@' .20' #7C896' 79"@ A9D05' =45=ACG 6.89=06' 73' 8""0B0D' :A;"4=' 89D' :506649B' 90=0664.@# 0' <86' 754B498""@' =8""0D' '# + ;' 89D' T /'# + ' .' 83.05<85D6' 4=.8.75' ;0G =8A60' M 4=.A6N' 98C0D' ;@' .20' =796A"# 375' .20' .4C0' 75' ;0=8A60' .20' :07:"0' 4C:"4=4,"@' 7;0@0D' 246' =7CC89D6*' 20' 3456.' 4=.8.75' =508.0D' 8.' #7C0' <86' # 85.4A6' "8?86' 49' .20' @085' A*' =' > H' 9$ ' " ' HN*' 0' ;049B' .209' 790' 73' .20' =796A"6' <86' 97C498.0D' .7' .246' 734=0' A9D05' 89' 0I:0=.8G .479' 73' <85' <4.2' .20' 8;4906' 89D' 8.496*' 20' =796A"6' 8.' .28.' .4C0' 73' 0C05B09=@' ;049B' 37A9D' A98;"0' .7' C8F0' "0?406' 8C79B' .20' :"0;04896' <27' 28D' 503A60D' .7' 09"46.' <4.27A.' 8' 50C466479' 73' .2045' D0;.6 ;@' .20' :8.54=4896' .20' 098.0' 0"0=.0D' .246' 734=05' <27C' .20@' 49?06.0D' <4.2' 8;67"A.0' 89D' A9;7A9D0D' 8A.2754.@# 20' D4=.8.A50' <86' 375' 8' .4C0' =793490D' .7' .20' :8.54=4896' ;A.' .20' :"0G ;04896' <050' 83.05<85D6' 8DC4..0D' 47' 62850' 49' 4.* 20' D4=.8.75' 50C8490D' 49' :7<05' 375' 64I' C79.26' 83.05' <24=2' 20' <86' 8B849' 0"0=.0D' 43' .20' 6.8.0' 73' 8338456' 600C0D' D06:058.0' 7.205<460' 20' B09058""@' 5064B90D' ;03750' .20' 8""7..0D' :47D' 28D' 0I:450D* 20' D4=.8.75624:' <86' 75* 8' :85' <4.2' 0?09' 50B8"' D4B94.@' 89D' 85C0D' <4.2' C750' .289' 50B8"' :7<05' @0.' A9"4FO' 57@8".@' 4.' <86' 97.' 20"D' 49' 28.50D' ;@' .20' :07:"0# C79B6.' .20' 4964B948' <24=2' D46.49BA4620D' .246' 6A:50C0' 89D' A9A6A8" 3A9=.47985@' <050' .20' :A5:"0' 57;0' .20' =A58"0' =2845' =8:8546790D' 275606' 89D' "4=.756' ;0856 49B' .20' 386=06' <4.2' 8I06# 2K' D0=46479' 73' :08=0' 89D' <85' 5064D0D' <4.2' 24C ' 89D' .20' 375.9906' 89D' "4?06' 73' 67"D4056' =4.4\096' 89D' C8B46.58.06' <050' 8"4FO' 6A;0=.' .7' 246' 8;67"A.0' B7?059C09.# A5G 49B' .20' D4=.8.A50' .20' 8A.2754.@' 73' 8""' .20' 7.205' C8B46.58.06' =0860D' 0I=0:.' .28.' 73' .20' .54;A906' 73' .20' + '0 4N75' <86' 89@' 8:::08"# 8""7<0D' 357C' 0 .20' 609.09=0' 75' ADBC09.' 73' .20' D4=.8.75' A9.4"# A*=# H H' 9$ ' [,N' <209' .20' ' . k ' <86' :8660D' <24=2' :57?4D0D' .28.' .209=0375<85D' 97' C8B46.58.0' 627A"D' ;0' 8:.749.0D' <4.27A.' 246' :A;"4=' 8=.6' ;049B' 7:09' .7' ;0' 8:.08"0D' 8B8496.' ;03750' .20' :07:"0# 246' 7334=0' 67' :7.09.' 67' D4BG 94340D' 49' .20' 085"405' :0547D6' 73' .20' 50:A;"4=' ;0=8C0' 8.' "09B.2' 7D47A6' .7' .20' #7C896' 357C' .20' D06:7.4=' A6A5:8.4796' 73' A 8' 89D' 73' KA"4A6' 00685' .20' 375C05' .7' B"A.' .20' =5A0".@' 73' 246' :056798"# ?09B089=0' 89D' 20' "8..05' .7' =7C:866' .20' 6=20C06' 73' 246' 7<9' ;7A9D"066' 8C;4.479* (209' 80685' .20503750' 97.' D8549B' .7' 866ACO' .20' .4."06' 73' 6 ' 89D' . ' 8==0:.0D' .28.' 73' + ' M600' :# , [N' 20' <86' 97.' "79B' 49' ;0=7C49B' . :' 89D' 49' 8' 6275.' .4CO' 83.05G <85D6' # + ' . ' 28.' 46' .7' 68@' 20' 50=04?0D' .20' D4=.8.A50' A*=# ['9$ ' MK* aN' # C4"4A6' 0:4DA6' M83.05<85D6' .20' .544C4?45N' ;=' 49B' :50.75' 8.' .20' .4C0' =79?090D' .20' :07:"0' 89D' :57=A50D' .28.' 8""E6A:0560D49B' :7<05' 375' <685' .209' 8;609.' 357C' #7C0' ;A.' <27' SA4=F"@' 85G 54?49B' .2050' 09.050D' A:79' .20' 7334=0' 89D' 28?G 49B' 8==7C:"4620D' 246' 7;0=.' 49' .8F49B' 4.' "84D' D7<9' .20' 98C0' 73' D4=.8.75' 50.8494B' 27<0?05' 97.' 89' 8.7C' "066' .289' 8""' .20' 8A.2754.@' 73' 790* 57C' .28.' :0547D' <0' 508D' 79' 8' =25797"7B4=8" 605406' 73' 246' =7496 1 " ' !" / 901.' 40*! * ' .209' 40* * / A.' <2@' . ' z 1 T' (4.27A.' D7A;.' M68@6' B2"0B0"' ' %' 20' <86' 98C0D' 375' .20' .245D' .4CO' ;@' .N40' =796A"# 0:4DA6' A'=# a' 9$ ' " ' [N' 83.05' ;' 28D' 09G .050D' #7C0' 49' .54AC:2' 86' =79SA0575' 357C' 354=8*U' 9' "4FO' C89905' <0' 508D' 40*=$ ' . ' / 3' ;0=8A60' 375' .20' 37A5.2' .4C0' .28.' 7334=0' <86' 733050D' .7' 24C' 8;7A.' TGH' 9$ ' " ' N' 49' <24=2' @085' 20' 09.050D' .20' =4.@' 357C' 7A9.' ";897' <4.2' .20' 2797A56' 73' 89' 7?8.479*# 9D' 4.' <86' DA549B' .20' 68C0' 37A5.2' D4=.8.75624:' .28.' 60685' 7;.8490D' 357C' .20' 098.0' .20' 54B2.' 49' :05:0.A4.@' 73' <08549B' .20' "8A50"=57<9' 8=G =75D49B' .7' :489A6' 89D' 479' .20' "8..05' 73' <27C' .2A6' :A56A06' .20' 6A;0=./1 T' 9' .246' @085' .20' 37A5.2' D4=.8.75624:' "0 ' % <86' D0=500D' .7' 24C' 97.' C050"@' 375' 67' "79B' 86' .20' 6.8.0' 73' :A;"4=' 8338456' 50SA450D' 2A.' 375' .20' .05C' 73' 246' 98.A58"# "430' .7' B7?059' 89D' 8DC4946.05' <4.2' D4=.8.7548"# :7<05*U' 2A6' 79' B7"D' 89D' 64"?05' =7496' 6.5A=F' ;@' 246' C790@056' # A=8' 89D' # 854D489A6' <0' 349D' 24C' =8""0D' !& # ' #' 89D' # ' # ' #' 79' 7.2056' !" ' ! ' # *# 1 00' 49.8B06' 73' 60685' ::#,[[',[' 89D',[' 73' .246' D4=.47985@* 9D' .246' 7334=0' .20' &508.' KA"4A6' 20"D' .7' .20' D8@' 73' 246' D08.2' 83.05' <24=2' "85F' 9.79@' 86' =796A"' 7;.8490D' .20' :86649B' 73' 8' "8<' <24=2' 0I:5066"@' 89D' :05C8909."@' 8;7"4620D' ;7.2' .20

98C0' 89D' 389=.479 ' 73' .246' :7<053A"' yA3' 8.' "0A:/.2 ' .7' .."40' : ,".=' "4 ;05.406 ' 38.8""@' D89 057A6 ' C8B46.580@#

*1 ' :F;0484?' *38C4"@ ' W3' <24=2' .2050' 46' 79"@' .2 ' 37""7<F44z' D09854A6'4 1

1 *1 &8"08.0D' 208D' 73' '749 ' .7' .20'54 2. ' ;0249D'4.' +*1 6 1 8??6# 4898' <4.2' .20' =506=09.' C779' 79' 205' 208D ' D54?49BE'8' 24B8' 8.' 3A"" 6:00D@' ;0"7<' 3

T' 246' =749' M68@6' #4==47 ' :# aN# 286' 3743' 8' "79B' .4C0' ;009' 86=54 ;0D' .7' .20' "8?.8' 38C4"@ ' ;A.' .20' "0859OD' 75B2064' ; 6' 8664B90D' 4.' .8' .20' 0=4C48' B096 ' 89D' :57:05"@' .7' 8496' 004C496' #"8?A.i' :50.75'49' A*=# ' 9$ ' =# , N ' =70?8*' <4.2' ' 7590"4A6' 4""8 ' <270' <86' 49' .20' C8B46.58=@ ' B8 "4.."0' 83.05' .20' B7?059C09.' 73' 4""89A6# 7D0C' "7?056' 73' 89.4SA4.@' 28?0' =79=A550D' 49' 7:49479' <4.2' 75B2064*U 1 ^ 04.205' ;@ 750'# 975' ;@ 47990.' 46' .246' 98C0' 49="AD0D' 8C79B' .20' #7C89' 38C4"406Q ' O

' B096 ' 73' .20' :"0;0489' 75D05* 1 2500' ?8540.406' 49' 64"?05 ' 5850* 1 20' 37""7<49B' D09854A6' 286' B4?09' 5460' .7' 8' =79.57?056@' 8C79B6.' .20' "0859OD ' <24=2 ' 86' =F20'# 7;605?06 ' T' 46' 73' "79B' 6.89D49B ' 89D ' 86' 4.' 600C6 ' =79.49A06' A9D0=4D0D*U' ,# 1 1 08D' 73' #7C0 ' .7' .20' 54B2.' ;0"7<' +' ;0249D' * / / ! !Ë ' 67"D405' <4.2' 8' 6:085' M75' 6<75DN' 46' 300;"@' =79.09D49B' 8B8496.' 897.205' C4"4.85@' C89 ' <27' 286' 8' 6<75D' B45D0D' .7' 246' 54B2.' 64D0 ' ;A.' 46' ;58AD46"44.3B' 8' <24: ' 75' ?490' 6<4.=2 ' A:58460D' 49' 246' 54B2.' 289D#' 8=2' 46' 85C0D' <4.2' 8' ;A=F"05' 79' .20' "03.' 85C*

* H

=8A60 ' 89' k""A64C3' .7' ;0' C8D0' .7' D30C9E' 6.89=W' 79' .246' =794 ' <24=2' 50:50609.6' 8' =09.A5479' ' 493"4=.49B' =75:758'# ?:C4462940A.' & ' □ ' A9D46=40' :"490DE' 67"D405*E C79B' C7D059' 5=2607"7B46.6' 73' *0C4909=0 ' # 8?0D7594' =79=A5549B' <4.2' .20' .20' 8;7?0 01:"898.479 ' 68@6 1 T' .' 46' =0'85 ' .28.' 49' .20' .@:0' 73' .246' C0D8"' 4.' 46' .20' =<4.A5473' <27' :A946206' 8' 67"D405' <4.2' .20?490'.<4 'D4?4D0D' 4 49.7' .<7' .<46.6 ' 75' "86206# 9' 38=.' 3"40' 85C h' 28?49B' ;009?50E75B89460D' ;@ 4D4A6 ' 89D' ;4L7AB2.' <B849' A9D05' .20' 50BA"8.479€' 73' .5A0' C4"4.85@' 6A;E' 75D3=83479' 8WD' 0I8=.4.AD0 ' 20' 8..8=F0D' .20' 090C@ ' D0308.0D' .20C ' 89D' 7;.8490D' 375' 246' ?4=.75@' .20' 2797A56' '8' .54AC:2# 0528:6' 20' =8A60D' .2060' D09854' .7' ;0' C49.0D ' 89D' D46.54;A.0D' 86' D798G .4?06 ' .28.' 5447A"D' 4 C49D' .20' #7C89' 85C@ ' .28.' .205.;0' <86' .:' 20' ;08.09' 79"@' ;@' .20' 7;603?89=0' 73' :0530=.' D46=4:"494 ' 89D' ;@' .2508.6' 73' :A9462G C09.' =85540D' 49.7' 03"0=.' 8B8496.' A9;54D"0D' 89D' 50358=.75@' 67"D4056# 3' 49' .28.' 0:7028 ' 89D' A9D05' .2760' =45=AC6.89=06 ' .246' =749' (86' 6.5A=F' 4.6' D8.0' 46' .7' ;0' =85540D' ;8=F' .7' .20' .2' @085' 73' #7C0' 9$ ' "' , , N' .20' @085' 49' <24=2' 4D4A6' .54AC:20D' 375' 246' 6A==06606' 7?05' .20' =75D464 X*U' ' ' ' ! ' '6 ' :# *

># 97.205' 89D' 8' CA=2' 58505' D09854A6' 73' .20' 4D48' 38C4"@?286' 79' @40' 7;?0560' (' % ' 4 (' 444?4 ' # =74557#C ' <4.2' .20' ?04"0D' 208D' 73' 79=75D# (?24"6.' .20' 50?0560' 46' 49G 6=54;0D' # 4 4# # # # .20' .@:0' 0I24G ;4.49B' 8' B589D' :75.4=7' 375C0D' 73' .<7' .4056' 73' =7"AC96*

^ 246' 64"?05' =749' <86' 8==75D49B' .7' =F20" ' 506.750D' ;@ 58 89 ' 89D' 46' 73' .20' 24B206.' D0B500' 73' 5854.@0*

7C0' <54.056' 28?0' 6A:;760D' .28.' .20' 493"4=G .479' 73' C4"4.85@' :A946"4C09.' 75' 8.' "086.' .20' =86.4B8.479' 73' 67C0' D0605.05' 357C' 246' :76.' 49' .20' D8@' 73' ;8.."0' 46' C089.' .7' ;0' 49D4=8.0D' 49' .20' 8;7?0' .@:0# .2056' .508.' 4.' 79"@' 86' 8' =7C;8.' ;0.<009' .<7' C09 ' <2760' 7330964?0' <08:796' 27<G 0?05' 850' ?05@' D4330509.' 357C' 08=2' 7.205# 9' .20' "8..05' =860 ' ' 73' .20'$ MK K ' 286' 0?4D09."@' .20' 8D?8 4.8B0' 7?05' ' 73' .20' $

#4==47 ' 49' 246' 50C85F6' 79' .20' 4D48' B096 ' 68@6 M:# N 1 T' 76.' 89.4SA8540 6' 749' 49' 8..54;A.49B' .246' =749' .7' 4.A6' 4D4A6' 679' 73' 4.A6' 89D' 90:20<' 73' :5094A6' <27' 28?49B' ;009' 609.' 86' :50.75'49.7' ""@54A544' C' .20' @085' 73' #7C0' ' 9$ ' "' ' N' 37A9D' .20' 8338456' 73' .28.' #7C89' :57?49=0' 49' 8' C76.' :054"7A6' 6.8.0 ' 375' .20' 258G =4896' 89D' 8' 3057=47A6' :07:"0' =8""0D' F ' 28D' :A.' .20' =796A'# 75=4A6' 8.7' .7' 3"4B2.# 9' 49?06.4B8.49B' .20' =8A606' 73' .246' D4686.05' 4D4A6' D46=7?050D' .28.' .20' 85C@ 28D' =79DA=.0D' 4.60"3' 49' 8' ;860' 89D' =7<85D"@' C89905' 89D' 97' "79B05' 6A6.8490D' .200' 54B75' 73' C4"4.A4@' D46=4:"490' <4.2' ;0=7C49B' 09DA589=0' 75' 7;0D409=0# (46249B' .20503750' .7' =7550=.' 6A=2' B508.' D4675D056' 20 3' .20'9F i - ' B i '8""AD0D' .7'49' .20'8;7?0' "0B09D# 855s' 0I:"8496' .20' A60' ;@' =7C:8549B'4.' <4.2' .20' '6 ' M67' =8""0D' 357C' 6 ' 8' ?05@' 89=409.' .7<9' 73' .20' 8;4906 ' ' #40.4N# T' 20' 375C05' M?4\# .20'+ 7' <86' .20' :"8=0' 49.7' <24=2' .20' =4.4\096' <09.' 357C' ?.20' 20"D' "}' + %' :' .20' "8..05' .28.' 49.7' <24=2' <050' :A.' 275606' 89D' 86606' M73' <24=2' "8..05' 894C8"# #=8.0' <86' 48497A6' 375' 8' ?8"A8;"0' ;500DN# 20' ?4""8' :A2"4=8' <86' C7507?05' A603A"' 375' :A5:7606' 73' :A;G "4=' ;A649066' 86' 8' :"8=0' <2050' .20' =7275.6' C4B2.' .8F0' A:' .2045' SA85.056' <209' =8""0D' .7B0.205' ;@' .20' =796A" ' <2050' .20' 627<' 73' 85C6' <86' C8D0' 8"67' <2050' .20' =096756' C4B2.' 8DC4.' .20' :07:"0' .7' =4.4\09624:' ;@ .20' =096A6# 97.205' A60' 375' .2060' ?4"%40' + ' 050=.0D' ') ' <86' .7' 50=04?0' 6A=2' 8C;8668D756' 357C' 276.4"0' 6.8.06' 86' 4.' <86' 97.' D00C0D' 0I:0D409.' .7' 49G .57DA=0' 49.7' .20' =4.@# ?;46' 46' 5030550D' .7' ;@ 4?@' M III44# =# aN 1 é 20' 8=0D79489G6' <050' =79DA=.0D' 7A.' 73' .20' =4.@' .7' .20' ?4""8' :A;"4=8' <2050' 8==7CC7D8.479' 89D' :57?464796' <050' 83";5D0D' .20C*' U 1 =F20"' ?# > ,*

20' 508679' 73' .246' .@:0' 73' .20' :75.4=7' ;049B' 6.5A=F' 46' A9=05.849# T' 0528:6' M68@6' #4==47 ' :# N' 79' .20' 7==86479' 73' 67C0' =4?4=2' 7334=0' 20"D

H>

M ' 35*N 1 1) * 1 47= 4 6' &# 8A508.0D 208D' 73' 47="0.489*EEEE6 * 1 !* ' !
7A5' 67"D4056' 68=5434=49B' ;03750' .20' B8.0' 73' .20' :50.75489' =8C :' M86' 49' .20' =A.' 6A ; 7490DN/ 1

* ' oo! 1 47="0.489' 89D' 8I4E C489# A6.6' 38=49B' 08=2' 7.205* 1 6 * 1 20' .<7' C :05756' 49' 8' .54AC : 28'# =85' D58<9' ;@' 37A5' 0"0 : 289.6 ' ;0249D' 46' 8' 4=.75@' =57<949B' .20C ' 04B2.' : 50.75489' 67"D405 '8==7C : 89@' .20C' =855@G 49B' :4DC6* 1 ^ 246' C0D8""479' 46' 3490"@ 09B58?0D' 49' 7 ' ' + ' : 85' # 0975E C89.0* 1 '"7?4' ' * " o!' & ' 20' B7DD066' 790.8' 6.89D49B' ;0.<009' KA : 4.05' 89D' 05=A"06* 1 ^ 20' 7 ; ?0560' 73' .246' C0D8 47 ' 286' 375' 4.6' "0B09D' ! #' " ' " ' o' ! "o ! ' 1<' 89D' 375' 4.6' .@ : 0' .20' C : 0575' "8A508.0D ' 89D' 54=2"@' =A458660D ' =855@49B' 8' ; 85 ; 0D' 8?0"49' 79' 246' 627A"D05# 75' 89' 8==A58.0' 09B58?49B' 73' .246' 3490' ; A6. ' 357C' 8' 6 : 0=4C09' 49' .20' 24B206.' 6.8.0' 73' : 50605?8.479 ' 600' .20' 208D' 73' 795' ; 47G B58 : 24=8# 97.4=0# 9' 09B58?49B' 73' .20' 50?0560' <4"" ; 0' 37A9D' A9D05' .20' 208D' 73' ' C" / ' 47990.' ?8"A06' .20' 8 ; 7?0' 8.' , > ' 35* ' 897.205' <4.2' .20' 68C0' 50?0560 ' ; A.' <4.2' .20' 208D6' 73' ; 7.2' 0C : 05756' 79' .20' 7 ; ?0560 ' 20' ?8"A06' 8.' > ' 35*Q 1 '7?4' # #' &# KA : 4.05' 49' 8' 64I' =7"AC90D' .0C : "0* 1 * " o! ' 6! ! &# # # M, ' 35# 08=2N*EEEEE#* ! ! *9 A' S?4 &* 1 ' # 058 : 46# M, > ' 35# 08=2N*
" ' * / i * ' =& / ' KA : 4.05' 89D' 05=A"06 ' <4.2' .20' 208D6 ' 38=0' .7' 38=0 ' 73' 47="0.489' 89D' 8I4C489' 79' .20' 7 ; G ?0560# M 47990. ' '35*N

* 1 ' 98C0' <24=2' 64B94340 6 ' $' - + ' 89D' <24=2' <86' B4?09' 49' =7CC79' .7' 86.75' 89D' 7"" AI ' <27' <050' 8 ; 7' 67C0.4C06' =8""0D' 3 ' ; 0=8A60' .2045' C7.205 ' 0D8 ' <86' .20' <430' 73' @9D8596 ' ' 49B' 73' : 85.8* 1 ' 2050' <050' 306.4?8"6' 49' .2045' 2797A5 ' =0"0 ; 58.0D' ; @' .20' : 07 : "0' 73' 75=@58' M 753AN ' 89D' =2403"@' ; @' .20' 8=0D0C794896* 1 9' #7C0 ' .2045' 306.4?8" <86' =0"0 ; 58.0D' 79' .20' > .2' 73' K89A85@' M ?4D ' 6 ' 4# [N ' 79' <24=2' D8@' 4 ; 05486' =7960=58.0D' .7' .20C' 8' .0C : "0 ' 9085' .20' ' - 1 =G =75D49B' .7' 750" "! ' 6 %' .20' <75624:' 73' .20' . ' 86' D4?494.406 ' 28D' 4.6' 754B49' 8.' #7C0 ' 357C' .20' ?4=.75@' <24=2' .20' =796A" 76.AE' C4A6' B8490D' 9085' .20' 8F0' #0B4 A6 ' 7?05' .20' 8.496' 89D' .20' 6796' 73' 85SA494A6' 9 : 05 ; 96' 9$ " ' aH' 75' a *N
.' <86' 684D' .28. ' 83.05' .28.' 09B8B0C09. ' .20' . '8 : 0850D' 49' .20' 375AC' 73' #7C0 ' <0856 49B' =794=8" ; 7990 (' 7?05' 08=2' 73' <24=2' <86' 8' 6.85# 20@' 6.77D' 506.49B' A : 79' .2045' "89=06 ' ; 0G 64D0' .2045' 275606 ' <24=2' <050' D549F49B' 8.' 8' 37A9.849# 2060' .<49' 205706' D468 : - 0850D' 86' 6779' 86' .20@' 28D' 8997A9=0D' .20' 90<6' 73' .20' ; 8.."0 '

* HH,

8.' 8' C7C09.' <209 ' 79' 8=0799.' 73' .20' D46.89=0' 73' .28.' =4.@' 357C' .20' 6=090' 73' 6"8AB2.05 ' 97' 790' =79"D' 86' @0.' 28?0' ; 0=7C0' 8=SA849.0D' <4.2' .20' 0?09.# .' 46' 8"67' 50"8.0D' .28. ' DA549B' .20' 8=.479 ' .<7' @799B' C09 ' C7A9.0D' 79' .<7' <24.0' 275606 ' <050' 6009' 34B2.49B' ?8"489."@' 375' .20' #7C896* 1 ' 246' "0B09D' 46' 8""AD0D' .7' 49' .20' .@ : 0' 73' 8' =79G 6A"85' D09854A6* 1 00' # ! ' B096*
.' 8"67' 375C6' .20' 6A ; 0=.' 73' 790' 73' .20' 54476.' 6 : 454.E6.45549B' : 70C6' 49' 5# 8=8A"8@L6' T' 8@6' 73' 9=409.' #7C0 U' A9D05' .20' .4."0' 73' A ? ' * 0 ' $' ' ? ' 6 ' 86' 6A9B' 8.' .20' 086.' 73' 86.75' 89D' 7""AI ' 79' .20' 4D06' 73' %A49.4"46 ' 49' .20' @085' 73' .20' =4.@' ==== 4*U' 9$ ' " ' H HN# 1 246' =2858=.0546.4=' .58D4.479' 73' 6A : 0598.A58"# : 7<056' =57<949B' <4.2' ?4=.75@' .20' 85C6' 73' .20' 086.' @0.' @7A9B' 50 : A ; "4= ' 46 ' ; @' .20' 8A.275L6' B094A6' 89D' 246' =79?05689=0' <4.2' ="8664=' "750 ' 34""0D' .7' 7?053"7<49B' <4.2' <85"4F0' 49=4D09. ' 89D' <4.2' : 8G .547.4=' 894C8.479# 3.05' : 57="84C49B' .7' 8' B508.' .2579B' 73' : 07 : "0*

246' D8@' ; @' "8F0' #0B4""86
9D05' .20' 75=489' 204B2.*
""# 49' .20' "89D6' 73' 86=A"9C
(8W37..B2.' 8' B"7547A6' 34B2.

.20' .<7' 6.589B0' 27560C09 ' 50=7B9460D' ; @' .2045' : 749.0D' =8 : 6 ' 89D' .20' 6.856' 8 ; 7?0' .20C ' 86' .20' T' &508.' <49' 50.2509 ' .7' <27C' .20' 754896' : 58@ U

(209' .20@' D50<' 94B2' .7' 06.8
20@' ?8A".0D' D7<9' 8C849
9D' <862LD' .2045' 275606' 49' .20' <0""
28.' 6 : 549B6' ;@ 06.8L6' 3890*
9D' 6.584B2.' 8B849 .20@' C7A9.0D
9D' 57D0' .7' 06.8L6' D775*
209' "4F0' 8' ; "86. ' 8<8@ .20@' : 86.*
9D' 97' C89' 68<' .20C' C750# M:# ,H *N

9' 8' D09854A6' 73' .20' 9" : 4=48' B096 ' 6.5A=F' 49' C0C75@' 73' ' ! ' # ' M679' 73' 05?4A6' A" : 4=4A6' #A3A6 ' 8' 35409D' 73' 4=057L6N ' .20' 476G : A54' 850' 50 : 50609.0D' 86' .<7' 98F0D' C09 ' B8"08.0D' 6.89D49B' .7B0.205 ' 3579.' 38=0D ' 85C0D' <4.2' 6 : 0856 ' <24=2' .20@' 27"D' .5896?0560"@ ' 86' 49' .20' 8 ; 7?0' 09B58?49B# 9' 897.205' D0985496 ' .20@' 6.89D' 27"D49B' .2045' 6 : 0856 ' <4.2' 8' 27560' 79' 08=2' 64D0' 73' .20C ' 89D' 8' 6.85' 7?05' 08=2' 73' .2045' 208D6* 1 ' 00' ' B096*
20' 476=A54' C76.' 350SA09."@' 8 : : 085 ' 79' 38C4"@' =7496 ' 86' 27560C09' B8""7 : : 49B ' <4.2' =7A=20D' "89=06 ' 89D' 6.856' 8 ; 7?0' .2045' + * 1 Y 00' .4"48' M:# aHN ' 758.48' M:# H, N ' 75D48 ' =79 7490D' 208D6' 73' .<49' ; 57.2056' M:# > N ' .20' 68C0' 49' 79.048 ' 05?4"48' M79' 27560 ; 8=F ' : 57G =0OD49B' 49' 7 : : 764.0' D450=.4796N ' 89D' C89@' 7.205' =796A"85' D098544*
9' .20' 4C : 0548" 605406 ' .246' .@ : 0' M<24=2' <86' C089.' .7' D097.0' ; 57.205"@' =79=75DN ' 46' 73' 5850' 7==A5509=0# 9' 8' ; 5866' C0D8""479' 73' # A50G "4A6 ' 89D' 8' 60=79D' ; 5866' 73' &0.8 ' 790' 73' .20

HH' ' *

476=A54 ' 27"D49B' 8' 6:085 ' 6.8AD6' ;064D0' 246' 27560* 1 00' - *' M:# ,a N*
9' 8' ;5866' C0D8 479' 73' 8I09.4A6' M?8"A0D' ;@' 47990.' 8.' , ' 35*N' .20@' 6.89D' 08=2' ?54.2' .20' + ' 79' 246' 208D' 89D' .20' + ' 289B49B' ;0G 249D' 246' ;8=F ' 27"D49B' 246' 6:085' <4.2' 790' 289D' 89D' 246' 27560L6' ;54D"0' <4.2' .20' 7.205# 2050' 46' 8' 60=79D' ;5866' 73' .20' 68C0' 504B9' 89D' .@:0 ' .20' "0B09D' ;049B' 79' ;7.2' * ! ' & '
. ' 1 20' 6.856' :"8=0D' 7?05' .20' =8:6' 73' 0D8L6 6796 ' 28?0 ' 79' 89=409.'=7496 ' 8' 6@C;7"4=8# 5030509=0' .7' C854.4C0' =4.406 1 ' M (4"D0 ' ' ' [N ' 89D' 8"67' .7' .20' =796.0"G "8.479' 73' 86.75' 89D' 7""AI ' .2760' .<49' 6.856' M&0C494N' 605?49B' 86' 8' BA4D0' .7' C8549056* 1 ' M 758.# :# 44# ,E[N* 1 00 4h 5' 8"67
#' M67' =8""0D' ') ' .7' D46G .54;A.0N ' 89' 7334=05 <27 ' 8.' .20' #7C89' 0"0=.4796 ' C85628""0D' .20' .54;06' 49.7' .2045' 60?058"# ="86606 ' 89D' D46.54;A.0D' .20' .8;"0.6 " % 8C79B' .20' :07:"0' <209' .20@' ?7.0D# A=2' 8' 3A9=.47985@' 73' .20' 50:A;"4=' 46' 50:50609.0D' 79' 8' 38C4"@' D09854A6' 496=54;0D' (' * ' .20' .@:0' 73' <24=2' 7 ' 0IG 24;4.6' .20' 49="76A50' 73' .20' 00' !o! B096 ' 8"67' " o "! ' M:# >> N# !
' \W' E) ' ' #'
Wh' #' ! ' 1 <7' C8"0' 34BA506' 6.89D' .7B0.205' A9D58:0D# 20' 790' 46' .28.' 73' 05=A"06 ' <4.2' .20' 6:74"6' 73' .20' 0C8089' "479' 289B49B' 79' 246' "03.' 85C ' 89D' 246' 54B2.' 289D' 506.49B' 79' .20' ='A;# 20' 7.205' 46' .28.' 73' 8=G =2A6 ' <27' 27"D6' .20' '49' 246' 54B2.' 289D' 89D' 506.6' 246' "03.' 79' .20' 3 ' 8' :84 205' 64.6' 8.' 246' 300. 1 9' B7"D' 64"?05' 89D' ;5866' 73' # 0?05A6 ' 6.5A=F' 8;7A.' ' ' ,a *

' K & #'
+ F3' 8==2A6' 89D' 05=A"06 ' <27C' 89G =409.' .58D4.4796' 28D' D064B98.0D' 86' .20' 3456.' =79G SA0575' 73' .28.' 50B479# 20' 68C0' D4?494.406 ' 79' =7496' 73' 246' 6796' 858=8""8' 89D' &0.8 ' 850' =8""0D' 44' #44* 1 M 00' :# H>aN*
' & * 1 '57A9D' 8".85 ' 75G 98C09.0D' <4.2' 8' 306.779 ' 89D' "4B2.0D* 1 9' B7"D' 73' 546:498*
47990.' 8::0856' .7' 28?0' ;009' .20' 3456.' .7' D06=54;0' .246' 50C85F8;"0' 89D' 01.50C0"@' 5850' ' 89D' 20' 286' B4?09' 89' 09B58?49B' 73' 4.' 49' 246' 6 = ' = ' 6 ' 9 ' 4# :# > N# 20' "0B09D' 73' 50?0560' 7=='A56' 79"@' 49' .246' 496.8A=0' .257AB27A.' .20' 4C:0548"# 605406* 1 ' 8=4.A6' 8""AD06' .7' D04.406' :5064D49B' 7?05' .20' 6.8.0' 73' C85548B0' " ' 7 ' = ') %'
9D' 4.' C8@' ;0' :506AC0D' .28.' .20@' <050' 4D09G .4340D' <4.2' .20' . ' + ' M600' :# H> N ' .7' <27C' ?7<6' <050' C8D0' .7' :57:4.48.0' .2045' 38?7A5' .7<85D6' .20' C8.54C7948"# 50"8.4796' 73' .2045' ?7.8G 5406# 28.' .20' ;08A.43A"# 546:498 ' T' C750' 649G 90D' 8B8496.' .289' 649949B LL' 86' .20' <430' 73' 759E C7DA6 ' <86 ' ;03750' .28.' :573"4B8.0' .@589.' D4?75=0D' 205 ' 8' <75624:::05' 73' 790' 8.' "086.' 73' .20' 9A:G .48"# .A.0"85406 ' 46' 620<9' ;@' 205' 8D7:.479' 73' ' 89D' ' % 0!6 ' 79' .20' 50?0560'6' 73' 205' =7496# .' 46' 97' "066' 0?4D09.' .28.' 620' 28D' D0D4=8.0D' 89' 8".85' .7' .20' ' 7 F3' 86' <0"" 86 ' 49' ;578D05' .05C6 ' .7' .20' ' F3' 49' .20' 27:0' .28.' 205' A9479' 49' <0D"7=F' .7' .20' 0C:0575 C4B2.' ;0' ;"0660D' <4.2' 30=A9D4.@*EEE 47990. ?8"A06' .246' =749' 8.' H ' 35*
' *1 E5 ' <7C89' 6.89D49B ' <4.2' .20' 20"C' 73' 8' 624:' 49' 205' 54B2.' 289D ' 89D' 8' =7CA=7:4r' 49' 205' "03.* 1 9' 64"?05' 89D' 3456.' ;5866' 73' 05.4984*O 1 20' "8..05' 09B58?0D' 357C' 49' 5# ' 49BLD:"8.06 ' 89D' 49' :89204CL6' r6856' 73' KA"489 ' :# a,*
246' 50?0560' :50609.6' .'3=' 34BA50' 73' ! ' 89D' 86' .2050' <050' C89@' D4330509.' 375C6' 73' <756 624:' :84D' ;@' .20' #7C896' .7' 75.A90 ' 89D' A9D05 ?8547A6' 8::0""8.4796' 73' .28.' D04.@' <24=2' 850' =7:47A6"@' D0.84"0D' ;@' "A.85=2' " ' ! ' 6 % 67' 79' .246' =749' .20@' 850' 8"" 49D4=8.0D' A9D05' .20' .4."0' 73' ' M.20' BA85D489' B7D6N' .7' <27C ' 79' ;46' 8==0664779' .7' .20' 0C:450 ' 05.4A8I' 2050' =7CC09D6' 246' 6830.@# " . ' ' ??"# ?44# , ,N# (4.2' .20' 89=409.6# 75.A90' 28D' .20' =2403 :"8=0' 8C79B6.' .2760' B0944' <27' <8.=20D' 7?05' 89D' :50605?0D' C89F49D# 20' ! ' 75' B7"D09' 4C8B0' 73' 75.A90' <86' <75624:::0D' 49' .20' ;=DE=28C;05' 73' .20' 0C:0575' 89D' .7B0.205' <4.2' .20' 0C:450' 4.60"3' <86' 289D0D' D7<9' .7' 246' 6A=G =06675*
' & * 1 ' 6SA850' 8".85' 79' <24=2' 8::0856' 8' 3"8C0* 1 4"?05' 73' 546:498# 9B58?0D' 49' 84""89. ' ! ' 44# ,a>*
57C' .246' C:0548"# D09854A6' 4.' <7A"D' 600C' .28.' .20' 0C:5066' 28D' D0D4=8.0D' 89' 8".85' .7' .20' ' F3' 04.205' 375' 28?49B' 28D' =24"D509' 75' .28.' 620' C4B2.' 7;.849' 305.4"4.@' 357C' .20C.' 75' .28.' 620' C4B2.' =7CC09D' .20' =24"D' <4.2' <24=2' 620' <86 ' 50B989.' .7' .2045' =850' 89D' :57.0=.479# T' & 094. 6' M68@6 =F20"' ?44# ,Ha N' 75' 49' .20' 90A.05' B09D05' 3' 46' .28.' <24=2' :76606606' 75' 4C:85.6' .20' 38=A".@' 73' B09058.49B U
' & ' * 1 @;k"0' 6.89D49B' ;0E

20' .4."0' 73' .8' + ' M.20' B7D6E:37.0=E' .756N' <86' B4?09' .7' .20' D04.406' 49' B09058"' 89D' .7' 08=2' 73' .20C' 49' :85.4=A"85' .2A6' 49D4=8.49B' 8=F97<"0DBC09.' 73' .2045' 6:0=43' :57.0=.479' 89D' 68=5434=06' <050' 733050D' .7' .20C' 8==75D49B"@* 1 ' 246' "0B09D' 89D' .@:0' W605?0' M68@6' =F20"' ?44# , ,N' =7C:"0"@' .7' :57?0' <28.' 479' 6.8.06' .28.' 0?05A6' =8A60D' 8' B589D' .0C:"0' .7' ;0' ;A4".' 49' 2797A5' 73' 8==2A6' 89D' 05=A"06' 89D' .20@' 8"67' 620<' .20' :0=A"485' 98C0' ;@' <24=2' .2760' D04.406' <050' =8""0D' ;@' .28.' 0C:0575 89D' <2760' 506:0=G .4?0' 4C8B06' 350SA09."@' 7==A5' 79' 246' =7496*
20' 8A.275' 73' ^ ' 0 ' 7E' ' D06=54;06' 86' 4A' 246' =7""0=.479' 8' ?05@' 5850' ;5866' C0D8""479' 28?49B' 79' .20' 7;?0560' ' #. ' # 'L # - +' &# # ,,,# <4.2 .20' "8A50""0D' ;A6.' 73' 0?05A6# 20' 0C:0575' 20' 50C85F6' 49' =855@49B' .20' <85' 49.7' .20' 86.' 8B8496.' 06=0A94A6' 4B05' 8330=.0D' .7' =27760' 375

3750' 8' .54 : 7D' ' 79' .20' 7.205' 64D0' 73' <24=2' 46' 8' 6C8""' 34BA50' 608.0D' 79' 8' B"720* 1 9' 8' 5850' 3456.' ;5866' 73' 05.498I*

246' B77D' 7"D' C89" <27 ' 8.' .20' =7CC09=0G C09.' 73' 246' ;5403' 504B9 ' ⁄ ⁄ , aH ' 28D' =7CG C09D0D' 24C60"3' .7' 246' BA85D489' D04.406' M946' 0?6E " 4 6N ' 97<' D0D4=8.06' 8' =749 ' 46' & ! !.' ?6 ' .28.' 46 ' .7' .20' B09058.4?0' 75' =508.4?0' D4?4G 94.406 ' 357C' <27C' 20' 60"0=.6' 790' 375' 246' .@ : 0 ' ?46⁄ @ ; 0"0 ' .20' C76.' 89=409.' 73' .20C ' =7CG C79"@' =8""0D' ' .20' C7.205' 73' .20 B7D6*EEEEET' 20' @7A.2' M =F20⁄ 6"@"@' 7 ; 605?06N 6.89D49B' ; @' 205' 64D0 ' <4""⁄ 97' D7A ; .' 20' 73' 2.49 9AC ; 05' 73' .2760 ' 49' 50"8.479' .7' <27C' 620' 28D' 8=SA450D' .20' .4."0' 73' 4 ; N M?44⁄ , ,*N ' &⁄ ⁄ ⁄ 20' D46=4 : "490' 73' .20' C : 0575* 1 9' 8' 3456.' ; 5866' M89D' 8"67' 79' B7"DN' 73' 8D5489 ' <27C' .20' .@ : 0' 50 : 50609.6' C85=249B ' ; 850E208D0D ' <4.2' 246' C 4.84?@' ="78F' D58<9' 57A9D' 24C ' 89D' 8' ; 8.79 ' 75' 8' ' 20"D' 49' 246' "03.' 289D ' 37""7<0D' ; @' .20' : 50.75489' : 5030=. ' 89D' ; @' .2500' 67"D4056 ' 208549B' 8' "0B47985@' 08B"0' 89D' .<7' C4"4.85@' 0964B96* 1 9' 7.205' =7496' M600' 84""89.N' .20' "0B09D' 46' ! "!# o ! ' =

".27AB2' 8D5489' =85540D' 79' 97' <856' 49' : 05G 679 ' 89D' <86' D06457A6' 73' : 08=0' 58.205' .289' 73' <85 ' @0.' 20' 0I05=460D' 246' .577 : 6' 86' .27AB2' 276G .4"4.406' <050' 4CC0D48.0"@' 4C : 09D49B⁄ 75' .20' : 57 : 05' 0I : "898.479' 73' .246' 50?0560 ' 5030509=0' 627A"D' ; 0' 28D' .7' : 85.489A6' M 8D5489 ' 02⁄ , N ' <27' 68@6 1 T' 246' : 549=0' .58490D' .20' 67"D405' 86' 50BA"85"@' 86?43' 79' 8=.A8⁄ 605?4=0 ' <4.2' "066796' 73 : 8.409=0 ' ******** 8==A6.7C49B' 24C' .7' .20' 377D' 73 .20' =8C : ' 49' .20' 7 : 09' 845 ' .28.' 46' .7' 68@' =20060 ' ; 8=79 ' 89D' <08F' 67A5' <490 ' 49' 4C4.8.479' 73' .20' : 58=.4=0' 73' *$C4"489A6 ' 0.0""96 ' 89D' 246' 7<9' C7D0" ' 58 89 ' 50<85D49B' C89@' <4.2' C790@' 89D' 67C0' <4.2' 2797A56 ' .7' 098 ; "0' .20C' .7' ; 085 .20' C750' <4""49B"@' 246' 54B757A6' =7CC89D6 ' 49G D00D ' 20' 506.750D' .20' D46=4 : "490 ' <24=2' .257AB2' =850"0669066' 73' : 50=0D49B' 0C : 05756' 28D' ; 0=7C0 50"8I0D' 357C' .20' .4C0' 73' 60685' =.8?4A6********** 9=7A58B49B ' ; @' .20' 0I8C : "0' 73' 246' 7<9' 0905G B406 ' .20' =79DA=.' 73' 7.2056 ' 20' A60D' .7' C85=2' .<09.@' C4"06' ^8' D8@Q' 79' 377.' 49' 34D⁄ 85C7A5 ' ; 894620D' 7C' .20' =8C : ' 8 ' 6A=2' "AIA5406' 86' .20' .20' : 75.4=706 ' .20' ="746.056 ' 89D' .20' 85 ; 7A56 ' 350SA09."@' <750' .20' =7CC7906.' 8..450 ' 8' 6<75DE ; 0".' A98D7590D' <4.2' B7"D ' 50C7?0D' 0?05@.249B' 73' 89' 0905?8.49B' .09D09=@ ' 89D' 50G 375C0D' .20' 85C6' 89D' ; 8BB8B0' 73' .20' 67"D4056 ' =⁄U 1 479' 8"67' 6 : 08F6' 49' .20' 68C0' 6.5849' M I4I⁄ ' aN ' 8DD49B ' .28.' 8""⁄ .20' 67"D4056' <050' 67' .27G 57AB2"@' D54""0D' 89D' 496.5A=.0D' ; @' 8D5489 ' .28.

Y.20' 50BA"8.4796' .209' 49.57DA=0D' 50C8490D' .7' 246' 7<9' D8@ ' 86' 89' 49.0B58⁄ : 85.' 73' #7C89' C4"4.85@' D46=4 : "490* 1 4=.75 ' .77 ' 68@6' M49' , + ⁄ 1 T' 0' 50DA=0D' .20' 7334=06' 73' 6.8.0 ' 73' .20' 27A6027"D ' 89D' 8"67' 73' .20' 85C@ ' .7' .20' 375C' 49' <24=2' .20@' 50C849' .7' .20' : 50609.' D8@ ' <4.2' .20' 0I=0 : .479' 73' 8' 30<' 8".058.4796' C8D0' ; @' 796.89.490*U 1 ' 00' =F20"' ?4⁄ H*

C79B' .20' 496=54 : .4796' 37A9D' 79' .20' "490' 73' 8D5489L6 <8""' 49' 54.849 ' 46' 790' 508D49B' ! .' 4 (1 2' 1<' " ⁄ ' (24=2' 5⁄ #78=2' C4.2 ' =7C : 8549B' <4.2' =7496 ' =7964D056' .7' 50305' .7' 8G D5489* 1 ' ' 0 ' ?7"⁄ 44⁄ : ⁄ , [* * 1 (4.2' .246' .4."0' 8' D0=0860D' ABA6.8 ' 75' C : 5066 ' <86' D46.49BA4620D' 79' #7C89' =7496 ' 83.05' .20' =050C79@' 73' =7960=58.479⁄ 9' C0D8"6' 6.5A=F' 49' C0C75@' 73' C : 506606 ' 75' "8D406' 73' .20' 4C : 0548"⁄ 38C4"@ ' 50=04?0D' 49.7' .20' 589F' 73' 30C8"0' D04.406' " ' ' ⁄ ' .20' ; 8=F' : 85.' 73' .20' 208D' 46' 37A9D' =7?050D' <4.2' 8' D58 : 05@ ' 86' .27L' 49' .7F09' 73' D4?494.@* 1 00' ' ' & * 1 ' <7C89' D50660D' 49' .20' 6.7"8' 75' "79B' 57 ; 0 ' 27"D49B' 8' + ' 89D' ' 20' 8 ; 7?0' 8 : : 0856' 79' B7"D ' 64"?05 ' 89D' ; 5866' 73' &8" ; 8 ' <27' < 3.' B508."@' 49D0 ; .0D' .7' 4?48 ' .20' <430' 73' ABA6.A6 ' 79' <24=2' 8==7A9.' 20' 20"D' 205' C0C75@' 49' B58.4.AD0 ' 89D' =8A60D' 205' 4C8B0' .7' ; 0' 6.5A=F' 79' 246' =7496⁄ 20' B7"D' 46' 09B58?0D' 49' 8@"A6 ' 7⁄ , , [* ' ' 89D' ' & ' * 1 3.05' .20' D08.2' 73' 58A6.498' 609⁄ 49' .20' .245D' @085' 73' 205' 2A6 ; 89DL6' 504B9 ' 9.7G 949A6' 496' =8A60D' 60?058"⁄ =7496 ' 49' 08=2' C0.8" ' .7' ; 0' 6.5A=F ' 79' <24=2 ' ; @' .20' .4."0' C @ ' <24=2' :50=0D06' 205' 98C0 ' .20' =050C79@' 73' 205' + 0 ' 46' C750' 75" "066' D450=."@' 50=8""0D' .7' C49D⁄ 9' .20' 68C0' 6 : 454.' 73' 3"8..05@' .246' : 549=066' <86' 6A==0664?0"@ =7C : 850D' .7' 8"C76.' 8""⁄ .20' B7DG D06606 ' 89D' .@ : 4340D' 79' =7496' 8==75D49B"@* 1 00' ' * ' ' * 1 08D' 73' 8A6.498' A9475 ' <27' 83.05' 205' D08.2 ' <86' 49' 6 : 4.0' 73' 205' B508.' 89D' 97.7547A6' 4CC758"4.406 ' C7A590D' 375 ' 89D' :"8=0D' 49' .20' 589F' 73' D4?494.406 ' ; @' 85=A6' A50"4A6 ' 205' 2A6 ; 89D ' <24"6.' =7496' <050' 6.5A=F' 49' B7"D ' 64"?05 ' 89D' ; 579\0 ' ⁄ <24=2' 73305' ?8547A6' 90<' .@ : 06' 73' =7960=58.479* 1 00' ' ' * ' ' # ⁄ ⁄ ' (' ' ' ' ' ' &⁄ ^73' .20' CG : 0575' 8D5489Q 1 ' .0C : "0' 49' <24=2' 46' 8' 60D09.' 30C8"0' 34BA50 ' ="7.20D' 49' .20' 6.7"8 ' 89D' 28?49B' 79' 08=2' 64D0' 73' 4.' 8' 30C8"0' 34BA50 ' 6.89D49B' 79' 8' : 0D06.8"⁄ 57C' 08=2' 3"89F' 73' .20' .0C : "0' 89' 0"0B89.' : 75.4=7' 73' .<7' .4056' 0I.09D6' 4.60"3' .7' .20' 3579.* 1 9' .20' 7 ; ?0560 ' ! ⁄ " ' ' ! ' . ' &⁄ ⁄ ⁄ ⁄ ⁄ ⁄ ⁄ ' "8AE' 508.0D' 208D' 73' 8D5489* 1 9B58?0D ' 86' 8' ; 5866' C0D8""479 ' 49' 8 ; 490.' 73' 40998 ' : 4⁄ > , ' : ⁄ [* =F20⁄ C8F06' .20' 37""7<49B' 7 ; 605?8.4796' 50G "8.4?0' .7' .246' 50C85F8 ; "0' =749 ' 79' <24=2' ; 7.2' 8"D494' M49' 246' #7C89' 0D4.479' 73' 84 89.L6 ++ ' 444⁄ , , N ' 89D' 570"4=2' M49' .20' <75F' 8 ; 7?0' 5030550D' .7N ' 28?0' : 5797A9=0D' 8' ?05D4=.' 73' B09A490 1 T' 796 : 4=A7A6' 357C' 4.6' "85B0' 64\0 ' 375' 97.' 79"@' D706⁄ 4.' 0I=00D' .20' D4C0964796' 73' 3456.' ; 5866

H ' # *

' # *

=7496 ' ; A.' 4.' 46 8"67 .24=F05 .289 A6A8" ' .246 C0D8 286 ;009 .589630550D 357C .20 CA60AC 73 .20 85.2A64896 8.' #7C0 .7 40998 .6 7 ;G ?0560 8: : 0856 .7 ;0 3500 357C 8# 6A6 : 4=479 73 358AD ' ; A.' .20 <75FC89624 :' 73 .20 50?0566 46 97.' 0SA8""@ : A50 20 508D05 <4"" : 85D79 C0 ' 43 ' 8C 60?050 49 C@ ADBC09.' 73 =7496 ' 79 <2760 8=F97<"0DB0D B09A4909066 .20 .5A.2' 73 246.75@' 46 C8D0 .7 D0 : 09D 3 .246 =749 ;0 508""@ B09A490 ' <0 C8@ ;0 =05.849 ' .28.' 8.4D48 D40D 89D' <86 =7960=58.0D DA549B .20 504B9 73 8D5489 ' 8 38=.' <24=2 46 509D050D D7A; .3A" ;@ 7.205 =45G =AC6.89=06 ' =8997.' 4C8B490 <28.' ;"49D9066 =89 28?0 49DA=0D 868A; 79 .7 50 : 50609.' 85E =4898 ' 496.08D 73 8.4D48 ' 86 .20 C7.205E49E"8<' 73 8D5489*U' ?4 >*

' ' # * * 1 ' ?04"0D 30C8"0 ' 6.89D6 <4.2 286.8 ' : 958 49 "03.' 289D ' 89D ' : 8.058 49 54B2.' 289D ' 68=5434=49B 8.' 8 "4B2.0D 8".85* 1 1) 1 ! o ' B ' " ' ! ! ' ' . 4 4 ' ?8 08D 73 7C4.489* 1 9 60=79D ;5866 73 7C4.48 ' 09B58?0D 49 8?05=8C : L6 ') ' ' ' $ ' "4?*

' # W # * * 1 ' 30C8"0 608.0D ' ; 05 54B2.' 289D 0I.09D0D .7 <85D6 8 =24"D 6.89D49B 8.' 205 F9006 ' 205 "03.' 289D 27"D49B .20 286.8 9 3456.' ; 5866 73 7C4.48* 1 20 7 ; ?0560 46 496=54 ; 0D ! ! ' & ' ! # ' " ' ! ! ' # ' 7 ,' 1 <' 89D 0I24 ; 4.6 8 6.54F49B : 75.584.' 73 .20 0C : 5066 ' <4.2 89 0"8 ; 758.0"@ D50660D ' ' 9 09B58?49B 73 4.' 46 B4?09 49 F05E C89 ' ?7"# 4 374C44AB .20 ?4B90..0 .7 .4."0E : 8B0* 9 ; 7.2 .20 8 ; 7?0 =7496 <0 349D .20 "0B09D6 6.@"49B .20 <430 73 7C4.489 ' $' ' ' ' 20 =24"D .@ : 4340D 79 .20 "85B0 ; 5866 6 : 0=4C09 6.89D49B 9085 .20 60D09.' 34BA50 46 ="7.20D 49 .20 B7<9 =8""0D + 89D 46 6A : : 760D .7 50 : 50609.' .28.' 8979@C7A6 679 <27C .20 0C : 5066 ; 750 .7 7C4.489 49 246 60=79D =79G 6A"8.0 ; A.' <27 D40D 49 246 49389=@ 89D <86 83.05<85D6 + 246 =749 <86 C49.0D .7 =7CC0C758.0 246 ; 45.2 8 =45=AC6.89=0 <24=2 8==7A9.6 375 7C4.48L6 ; 049B 6.@"0D ! ! ' 46 * 1 =F20" 49 : "8=49B 4.' <4.2 7.2056 6.5A=F A9D05 7C4.489 68@6 1 246 =749 46 T' 64 C7D7 =05.p 34D04*U' 47990.' 89D F05C89 A9SA8"4340D"@ 50=7B9460 4.6 8A.209G .4=4.@*

8 : . # C@.2 ' #* * 49 D06=54 ; 49B 8 <0""E=79G D4.4790D 6 : 0=4C09 73 .246 5850 =749 49 246 7<9 =8 ; 490.' 73 "85B0 ; 5866 68@6 1 T' =8997.' 09.450"@ 7C4.' C@ D7A ; .6 86 .7 4.6 ; 049B 508""@ B09A490* 6 =F20" 68@6 4.' 286 97.' .20 "77F 73 89.4SA4.@ 8 ?0I8.47A6 + 3 49.0530506 <4.2 4.6 8 : : 8G 509.' : A54.@ 73 "0B09D 0DB0 89D 7.205 A6A8 .06.6 89D 50=8"6 .7 C49D .20 358ADA"09.' ; 57.2056 <27 208D0D .20 $ 73 .20 641.009.2 =09.A5@* 1 .' 46 A9SA06.4798 ; "@ 8 3490 89D =7550=.' "4F09066 73 .20 0C : 5066 ; A.' 357C .20 7 ; 0=.479 8D?89=0D 4.' <86 F97=F0D D7<9 375 79"@ 34?0 BA49086 8. 5 09D05679L6 68"0 49 , H .' 46 649BA"85 M8DD6 7A5 D46.49BA4620D 89.4SA85@N ' .28.' .20 208DED5066 73 .246 6 : 0=4C09 89D .28.' 73 84"E "89.L6 850 4D09.4=8" <24"0 .2760 49 .20 =8 ; 490.' 73 %A009 2546.498 89D .20 54.462 A60AC 28?0 .20 2845 ; 584D0D 57A9D .; 0 ; 08D .20 "0B09D6 89D 50?05606 ; 049B 8"4F0 49 8"" .20 37A5*

20 "0B4.4C8=@ 73 .20 "86.' <86 "79B 49 SA06.479 8".27AB2 9905@ 28D ; 7AB2.' 8 <27"0 =7 0=.47A .7 60=A50 4 . ' ; A.' C@ 35409D 5 8<F496 ' 49 <2760 =285B0 4.' 46 ' 49375C0D C0 .28.' .20 05AD4.8 .049 ; f=20 73 40998 ' 83.05 50 : 08.0D 0I8C498G .4796 ' : 5797A9=0D 4.' .7 ;0 8 B09A490 C0D8"U 1 ' . ' ' ' .

75 89 09B58?49B 73 .28.' 49.0506.49B B7"D =749 <24=2 50 : 50609.6 .20 0C : 5066 79 790 64D0 89D 79 .20 7.205 205 D04340D 679 64..49B 98F0D 79 8 B"7 ; 0 49 .20 C4D6.' 73 60?09 6.856 60 ! ! ' # . ' ! 1 79 73 .20 D4?490 ^KA"4A6*Q 1 ABA6.A6 <86 .2A6 98C0D 28?49B ; 009 8D7 : .0D ; @ p685 86 246 679 89D =796.4G .A.0D 246 2045 ; @ <4""*

' # # # # # #W # # # * 1 20 0C : 0575 ' <4.2 "8A50""0D 208D 89D 49 .20 + ' 6.89D49B <4.2 8 6C8"" 4=.75@ 49 246 54B2.' 289D 89D 8 6 : 085E 49 .20 "03.' 46 =57<90D ; @ 8 C4"4.85@ 34BA50 27"D49B 8 =A ; 49 .20 "03.' 289D* 1 9 3456.' 89D 60=79D ; 5866 73 0 : .# 0?05A6*

20 7==86479 <24=2 .2060 =7496 605?0 .7 =7CG C0C758.0 286 8"508D@ ; 009 ; 5403"@ 97.4=0D A9D05 .20 208D 73 + $ ' M:# N# 20 "0B09D 73 50?056t 8 ; 7?0 SA7.0D =79345C6 9085"@ 8"" .20 8ABA6.8" 246.754896 49 50=75D49B 97.' 79"@ .28.' 0?05A6 8.' .20 =748C09=0C0A.' 73 246 504B9 : 57C460D .7 0CA"8.0 49 246 3A.A50 B7?059C09.' .20 0I8C : "0 73 85=A6 A50"4A6 ' ; A.' 8"67 .28.' .20 68C0 ; 7"D 8C ; 4.47A6 C89 733050D 24C60"3 .7 8D7 : .479 ; @ .28.' 5097<90D 0C : 0575 <27 28D ; 009 D08D 343.009 @0856 ,

9 .246 0I.5875D4985@ =45=AC6.89=0 <24=2 7==9550D 49 .20 @085 73 #7C0 a 9 ' ' , a[N 479 246 =79.0C : 7585@ 50C85F6 1 T' A.' 20 49G 6 : 450D A6 M.20 098.756M <4.2 .20 B508.06.' .05575 <209 20 =8""0D 24C60"3 .20 ' $' ' ^ ' 8554 ' %0 89D .20 ; 57.205 73 7CC7DA6*U' M II?# 4' N# 9D : 85.489 6.8.06 .28.' 20 <86 D06457A6 73 ; 049B 9AC ; 050D 8C79B . ; 0 38C4"@ 73 85=A6 M=2 , N# 4=.75 .0""6 A6 .28.' 7CC7DA6 <86 50=F790D 8C79B .20 B7D6 ; @ 0?05A6 89D =8 0D 246 ; 57.205 9D .2A6 ; @ .246 8 ; 6A5D 6 : 0=406 73 8D7 : .479 20 .58=0D 246 D06=09.' .257AB2 89 A949.055A : .0D 605406 .7 05?8 86 46 .06.4340D ; @ 9AC057A6 C85 ; "06 C750 0I : "4=4.' .289 =7496*

246 =79DA=.' 73 0?05A6 7 ; 605?06 =F ; 0" M?44 , HE, N 8 : : 0850D .7 .20 89=409.6 .20CG 60""?06 C76.' "AD4=57A6 86 4.' <86 98.A58" 4.' 627A"D ' 49D00D 479 49375C6 A6 73 8 <4..@ 0IG : 5066479 73 8 =05.849 6.8I M75 6 : 8=06N 8 685G =86.4= 49D4?4DA8" ' <2760 58=@ 6 : 00=206 <050 .209 49 0?05@ 790L6 C7A.2 89D <27 79 208549B .28.' 0?05A6 28D 0957""0D 24C60"3 73 .20 38C4"@ 73

85=A6' .2A6' 8DD50660D' 24C 1 V' ' =79B58.A"8.0' @7A' ' 30685' 79' 28?49B' 37A9D0=0' 73' 37""@' 75' C8D9066' $ ' <24=2' 20' <86' :0530=."@' 3500' ;A.' 58.205' 73' .20' SA8"4.406' 375' <24=2' 20' <86' 50C85FG 8;"0' 8=A.09066' 89D' .8=.# 75' ;@' .246' 38"60' 866AC:.479' 73' 89' 4""A6.547A6' B0908"7B@' 20' 509G D050D' 24C60"3' :85.4=A"85"@' 8==0:.8;"0' .7' .20' 67"G D4056' 89D' .7' .20' A90DA=8.0D'="86606' 73' .20' :07:"0' 89D' 4.' <86' 357C' .246' =45=AC6.89=0' .28.' 20' 8=G SA450D' .20' :7<05' 73' =79305549B' A:79' 246' 679' 866489A6' M 858=8""8N' .20' 98C0' 73' ' 89D' ;@' 4.6' + ' C8F49B' 24C' 89' 7;0=.' 73' A94?0568"# ?09058.479"# .' C8@';0' 684D' .28.' 0?0E 5A6' <86' 49' .246' 8=.' BA4".@' 73' 38"60277D"# 0' <86' 67' ;A.' <4.2' 24C' 4.' <86' A9A6A8"# .7' 5035849' 357C' 89@' .249B' <24=2' 3A5.2050D' 246' 49.0506.6* 1' 4C4"85' C7.4?06' <050' :5730660D';@' "0189D05'.20' &508.' <209' D06457A6' 73' ;049B'=8""0D'.20' 679' 73' CC79/1T(7A"D'.28.' M684D' 20N' .20' 9D4896' 8"67"=7A"D';0"40?0' C0' .7' ;0' _' B7D' ' 75' .20' 6A==066' 73' <85' D0:09D6' 79' 50:A.8.479' 89D' 350G SA09."@' 286' 8' 38"60';0"403' 896<050D' 8""' .20':A5G :760' 73' .20' 508"' .5A.2*U' "' ' ?444"=2"' N* 1' 9D' 49' .20' 68C0'.05C6' D706' 20' 01=A60' 24C60"3' 49' A=489' " ; ' ' , N" 057' 3A5946206' 8' 6.4""' 7"D05' 018C:"0' 73' .20' 8C;4.479' $' 8' 97;"0' B0908"7B@' 49' :503055549B' .7' ;0' =7964D050D' 86' 8' 6=479' 73' .20' KA"489' 38C4"@' .27AB2' ;0""79B49B' ;@' 8D7:.479' .7' .20' "89D489*

^ =F20"' D06054;06' .246' 246.754=8"' =749' 357C' 8' 6:0=4C09' 73' 4.' 49' .20' 4C:0548"' =8;490.' 8.' 40998"' 04.205' 47990.' 975' F05C89' 49="AD06' 4.' 49' 246' 506:0=.4?0' =8.8"7BA0* 1 20' :5000D49B' =A.' 46' 09B58?0D' 83.05' 8' 086.' 357C' 8' 6:0=4C09' 375G C05"@';0""79B49B' .7' 89' .8"489' 07""00.479Q*

' # ' ' # ' #"' "89508.0D' 208D' 73' 05?8' 89D' 8' ;850' 208D' 73' 58 89A6' 8.05' 38049B' 08=2' 7.205*

246' 50?0560' 8:-0856' 79' 8' 5850' B7"D' =749' 73' 58 89' <27' 49' 75D05' .7' C894306.' 246' :40.@' .7<85D6' 246' 50"8.4796' :"8=0D';@' =7960=58.479' 246' 7<9' 38.205' 89D' 246' :8509.';@' 8D7:.479' 49' .20' 589F' 73' D04.406' V' 89D' .7' :5060570' .20' C0C75@' 73' .246' D7A;"0' + ' M8DD6' 84""89.N' 20' =7964B90D' .20' 0?09.' .7' .20' :05:0.A8.479' <24=2' C0D8"6' C750' DA58;"0' .289' <54..09' 246.75@' <050' =8"=A"8.0D' .7' 096A50' 4.*U' 9B58?0D' 49' 0CG ;57F0' ", ' 34B", >' 8"67' 49' 8@"A6' 7" > " 1 00' # ' #* ' # ' " ' 058E' ' # 4" 08D6' 73' .20' C:0575' 05?8' 89D' "7.498' .20' <430' 73' 58 89' $ ' '38=0* 246' B7"D' =749' <86' 6.5A=F' 49' .20' .4C0' 73' 8D5489' 8".27AB2' 4.6' 7;?0560';0856' .20' 208D' 73' 58 89' 375' "7.498' 6A5?4?0D' 205' 2A6;89DL6' 504B9' 89D' =7A"D' 97.'.20503750' A9.4" 83.05' 246' 89D' 205' 7<9' D0=0860' 28?0' .20' 8:-0 8.479' 73' ! ':50G 3410D' .7' 205' 98C0* 1 00' 750""" F+ ' ' ' "4;" [':" [* 1 84""89.' 49' 97.4=49B' .20' 8;7?0' 649BA"85"@' 0"0B89.' 89D' 5850' =749' "# ' 44" :", , , aN' 68@6 1 V 246' ' 6.5A=F' ;@' 8G D5489' 46' 897.205' 010C:"434=8.479' 73' 8' B58.03A" C49D' =2054620D' .7<85D6' :8509.6' 375' 20' 2050 =79.49A06' .20' C49.' 73' 58 89' 89D' 50=7CC09D6' .20' =7960=58.479' 73' 05?8' 89D' 73' "7.498*U 1' 9B58?0D' 49' 8@"A6' B7"D' 73' .20' 509=2' =8;4G 90.' 7# > * ' ' # 75' 8.' 3A' "09B.2' ' MD8AB2.05' 73' .20' D4?490' 4.A6N* 1 246' 8:-0856' 79' B7"D' 89D' 64"?05' 73' ! o! ' & ' .20' 289D67C0' ;A.' A9<75.2@' D8AB2.05' 73' .20' =79SA0575' 73' KAD808# 20@' <050' 6.5A=F' 83.05' 205' 38.205L6 D08.2' 89D' <209' 620' <86' 39=06.A7A6"@' =7990=.0D' <4.2' 7C4.489*1 00' ! o! ' ! ! ' # # 20' 208D6' 38=0' .7' 38=0' 73' 58 89' 89D' "7.498' 08=2' 6A5C7A9.0D';@' 8' 6.85*1 9' B7"D' 73' 8D5489*1 9B58?0D' 49' F05C89' 4#:"8.0' ?4# 7# [* 8D5489' 7;.8490D' .20' =050C79@' 73' D0434=8.479' 97.' 79"@' 375' 58 89';A.' 8"67' 375' "7.498# &58.0G 3A".7<85D6';7.2' .20' 38.205' 89D' .20' C7.205';@' <27C' 20' 28D';009' 8D7:.0D' 89D' 5067"?0D' .7' 289D' D7<9' .20' 50=75D' 73' .20' 0?09.' .7' :76.054.@' 20' =8A60D' .2045' 0334B406' <4.2' .20' 86.58" .7F096' 73' =7960=58.479' .7' ;0' 50:50609.0D' 79' 790' 73' 246' =7496' 8==7C:8940D';@' .20' 496=54:.479' # ' #) ' M 7' 246' :8509.' D04.406N* 1 84""89.' # ' 44# :" > >* 20' 8;7?0' =749' 46' 3A5.205' 0"A=4D8.0D';@' 8' C85;"0' <24=2' 798.4' 286' =4.0D' 79' .20' 8A.2754.@' 73' 8330' ?4\" C?7' * ' * ! ' ' !.' * ' ' # # # ' # E 4 ?6' 6?46* 1 M =F20"N* ' M 8=0D7946ON' ' 97<' .89D48' 49' A57:089' A5F0@* 1 ' C854.4C0' =4.@' 73' 8=0G D7948' 64.A8.0';0.<009' .20' C7A.26' 73' .20' 54?056" 8"48=C79' M.20' 8A57N' 89D' 8:,@5A6' M.20' 8AE' 579057N' 79' .20' 627506' 73' .20' 205C80A6' 49A6' M&A"3' 73' 8"d94=8N' 49' .20' 405489' 50B479' 8=G =75D49B' .7' .7"0C@' ;0@79D' 4.' 8==75D49B' .7' .58;7# .' <86' C8D0' 8' =7"79@';@' KA"4A6' 80685' 89D' 50:"094620D' 83.05<85D6';@' 60..'056' A9D05' ABA6.A6' =7960SA09."@' .20' .4."06' 866AC0D' 79' 4.6' =7496' 850' 1 ' ' 84_ $' E' ' 75' # ' 75' # ' ' * 1 20' C49.8B06' 73' .246' =4.@' 850' 4C:0548"' ' 49' 6C8"" 89D' C4DD"0';5866' 89D' <050' 6.5A=F' A9D05'.20' 37""7<49B' 0C:05756/1 4;054A6' 057' M=7 # "o ' ! A' 7C4.489A6' 58 89A6' 8D5489A6' 9.7949A6' 4A6' 8A6.498' A9475' 0:.4C4A6' 0?05A6' 858=8""8' &0.8' 8E' =549A6' "8B8;8"A6' 70C486' "8B8;8"4 8.05' 0?05A6' "0189D05' 8*14C49A6' 814CA6' &75E' D489A6' 4A6' 24"4::A6' 609475' 24"4::A6' A9475' fCf489A6' &8""409A6' 8"79498*1 00' 47990.' F ++ ' # 444" :", * 20'.@:06'49D4=8.4?0' 73'.20' D04.406' <75624::0D';@'.20'=7"7946.6' 73' 49C' 850 1 KA:4.05' 4905?8' 0:.A90' 6=A"8:496' 89D' A:4D' 49' 2797A5' 73' <24=2' "86.E98C0D' B7D' .20' 40A64896' 050=.0D' 8'.0C:"0' =0"0;58.0D' 306.4?8"6' 89D' 8==75D49B' .7';7.2' 8A6894866' 89D' "A.85=2' 96.4.A.0D' 6:"09D4D' B8C06' =8 0D' + ' , ' .28.' 46' .7' 68@' 68=50D' .7' 7?0' <24=2' .77F' :"8=0' 0?05@' 34?0' @0856*1 9' 8' ?05@' 5850' 60=79D';5866' # ' # ' 73' ' - ' # D0D4=8.0D' .7' "0189D05' 0?05A6' 8' <49B0D' A:4D' 6.89D6' <4.249' 8'.0C:"0' 73' .<7' =7"AC96*1 00' 84""89." ' ' ' % 44" :", > *

C750' .289' 790' 3862479 ' 67C0.4C06' 49' 8' SA40.' 89D' 2I0D' : 764.479 ' 8.' 7.2056' 49' 8' 6.8.0' 73' C7?0R C09.# 20' D7" : 249' <86' =7960=58.0D' .7' :7""7 ' <27 ' 8==75D49B' .7' 7C05 ' 28D' .5896375C0D' 24CG 60"3' 49.7' 790# 09=0' <0' 600' 8' 0" : 24=' .54 : 7D' <4.2' 8' D7" : 249' A : 79' 4. ' 79' 8' 64"?05 =749' 73' 4.0"E' "4A6 ' .28.' 0C : 0575' 28?49B ' 86' .20' 496=54 : .479' .08=206' A6 ' ;009' 790' 73' .20' I ?# ' 8 : : 749.0D' .7' .20' =850' 73' 68=54.4048" =050C79406# ' 64C4"85' .@ : 0' 8 : : 0856' 79' 8' D09854A6' 73' 4.A6 ' ;A.' 97.' <4.2' .20' 68C0' "0B09D* 1 00' + # # ' <' ? 4

20' . + ' <86' 8"67' 68=50D' .7' 0 : .A90 ' .20' D04.@' <27' : 5064D0D' 7?05' .20' 608' 89D' 8338456' 73' 98?4B8.479 ' 209=0' <0' 349D' .20' D7" : 249' 49' .20' 289D' 73' .28.' B7D ' 79' =7496' 73' B54 : : 8 ' ABA6G .A6 ' 8"4BA"8 ' 06 : 86489 ' 8D5489 ' 89D' 7.205' #7C89' C : 05756*

20' . + ' <86' "4F0<460' 68=50D' .7' 09A6*

9' 085"@ #7C89' C790@ .20' 34BA50' 73' 8' D7"G : 249' 7==A56' 79' .20' ' .20' 0 3' 8AD' ' 2A6' .20' D7" : 249 ' <4.2' 37A5' B"7 ; A"06' A9D05' 4. ' 46' 8' C85F' 73' .20'

20' . + 3' <4.2' A : 4D' 79' 4.6' ; 8=F ' 8 : : 0856' 79' =7496' 73' .20' 75D48' 89D' A=50.48' 38C4"406 ' 8AD ' ; 0854 9B' 0"4=05.8 ' 46' 350SA09."@ ' 50 : 08.0D' 79' .20' =7"7948" C49.8B06' 73' 7549.2*

20' . + ' 89D' 89' 08B"0 ' <4.2' 8' 6=0 : .50' ; 0.<009' .20C ' 375C' .20' 50?0560' 73' 8' D09854A6' 73' .20' 0509.48' B096 ' 6.5A=F' 49' 2797A5' 73' 7CE' : 0@' .20' &508. ' <4.2' "0B09D' & ' # * ' " / ' 9' .246' 496.89=0 ' .20' 6=0 : .50' 49D4=8.06' 6A : 50C0' : 7<05 ' 89D' A9D4?4D0D' =7CC89D ' .20' 3462' 503056 549B' .7' .20' 608 ' 89D' .20' ; 45D' .7' .20' "8AD* 1 00' ,

20' . + ' 09.<490D' 57A9D' 89' ' <86' 8.' 790' .4C0' 8' 6@C ; 7" 73' ABA6.A6* 1 .' 46' 8"67' 6009' 79' =7496' 6.5A=F' ; @' : 549=06' 73' .20' "8?48' 38C4"@ ' 6796' 73' 06 : 86 89*

9' ' ' ++ ' 6 ' ' 444# # ?4# 7# ' .2050' 46' 89' 09B58?49B' 73' .246' .@ : 0 ' 357C' B7"D' 73' 4.A6' 9 * ' # ' ! 6 ' " ' 1 A' 8"67' 790' 357C' 64"?05' 73' .20' 68C0' 0C : 0575 ' 89D' <4.2' .20' 68C0' "0B09D' 73' 50?0560' 9 $ ' ?444# 7# N# 7507?05 ' 8C79B6.' .20' 64"?05' =7498B0' 73' 7C4.489 ' 09B58?0D' 49' .20' 68C0' 6.89D85D' <75F ' <0' 349D' .<0' 0I8C : "06' 73' .20' D7" : 249' 89D' 89=275' M=76# ?44# ! & ' ! ! ! A' 60D' # 444# $ ' ?444# 76# H ' 89D' Ha# 20' 6A ; 7490D' =A.' 46' 357C' 8' 3456.' ; 5866' 73' 7C4.489 ' 28?49B' 79' 4.6' 7 ; ?0560 1

T $ ' W5' ' ' ' <4' B"a7 ; ' $ ' ' 8A508.0D' 208D' 73' 7C4.489' .7' .20' 54B2.* 1 20

"0B09D' 46' =79.49A0D' 79' .20' 50?0560 ' ?4*

' # #" * Wh' *EEE 0"7< 6 ' / ' 20' .@ : 0 1 0" : 24996' 8AE' =275.0' 4C : "4=4.A6*

^ 20' =86. ' 83.05' <24=2' .246' =A.' 46' 09B58?0D ' <86' : A5=2860D' 73' 5# 7A ; "0D8@# 20' 4C : 5066 64796' 73' ; 7.2' 7 ; ?0560' 8AD' 50?0560' ?7A=2' 375' .20' 754B498" ; 049B' 49' B77D' =79D4.479# 9D' 8".27AB2' 49' 9790' 73' .20' 9AC46C8.4=' ; 77F6 ' ' 04.205' ; @' 7"D' 75' C7D059' <!54.056 ' .7' <24=2' .20' =7C6 : 4"05' 286' 8==066 ' D706' .246' .@ : 0' 8 : : 085' 86' 8') ' =749 [@0.' .2050' 600C6' .7' ; 0' 97' 5 3467' <28.0?05' .7' D7A ; ' .20' 8A.209.4=4.@' 73' .20' QNOE =4C09' 49' SA06.479# 246' 97.' 490"0B89.' D0?4=0' 286 ' D7<9' .7' 7A5' 7<9' .4C06 ' ; 009' =796.89."@' 8D7 : .0D' 86' 8' 98?8" 0C ; "0C' ' 89D ' .7' 68@ 97.249B' 86' .7' .20' =79375C8.479' 73' .20' - ' 4.' : 50609.6 ' D7A ; ."066 ' 8' =7550=.' D0"4908.479' 73' .20' #7C89' i ? %o

. ' ' A5' 8D@* 1 246' .4."0 ' .2A6' 8 ; ; 50?48.0D ' 8 : : 0856' 79' =7496' 73' .20' C : 506606' * "48' "8=4""8 ' &8""8' "8=4D48 ' 797E' 548 ' =# : 89204C' 7 ; 605?06 ' .28.' <4?06' <050' =8""0D' . ' ; @' .20' #7C896*

. ' *1 ' .4."0" =7930550D' 49' .20' D0="4949B' 8B06' 73' .20' 0C : 450 ' 79' .20' ' 89D' .20' ' *1 20' 37""7<49B' 850' 8C79B' .20' 50C85F6' <24=2' =F20" C8F06' 79' .246' 6A ; 0=./ . F3' 8' <75D' 67' 50 : AB989.' .7' "4 ; 05.@' M86' 4.' B09058""@' 4C : "40D' .20' 8A.2754.@' 7?05' % ' <86' 97.' 8D7 : .0D' ; @' .20' 3456.' 0C : 05756 ' 975' 83.05<85D6' ; @' .2760' <27' : 5030550D' .7' 5A"0' 58.205' .257AB2' .20' 8330=.479' .289' .20' 30856' 73' .2045' 6A ; 0=.6 ' 89D' 8.' 89@' 58.0' .20@' D4D' 97.' 8 : G : 57?0' 73' 4.# ABA6.A6' D0="490D' 4. ' 89D ' .7' A60' .20' <75D6' 73' 05.A""489 ' e 27AB2' .20' 37A9D05' 73' .20' 0C : 450 ' 20' <7A"D' 97.' 8""7<' 24C60"3' .7' ; 0' 6.@"0D' . ' 89D ' 49D00D ' 4.' 46' 89' 8 : : 0""8G .479' 8 : : "4=8 ; "0' 79"@' .7' .20' D04.@*[9D ' 3A5.205' 79 ' 20' 8DD6 ' é 7<' =89' 20 ' <27' 46' .20' 38.205' 73' 246' =7A9.5@ ' ; 0' 8"67' 4.6' 75D' " . -' ?09' 4 ; 054A6' 8"67' 8?74D0D' 4. ' 7 : 09"@' D0="8549B ' é .28.' 20' <86' "75D' " % 7?05' .20' 6"8?06 ' B09058" " + % 73' .20' 67"D4056 ' 89D' 67?0G 504B9' "+ + % 73' .20' 506.' 73' 246' : 07 : "0' 01 1 ' 98@ ' 8==75D49B' .7' A0.794A6 ' 20' <09.' 67' 385' 86' .7' 8DD5066' .20' 098.756' ; @' .28.' ?05@' 49?4D47A6' .4."0 ' <24=2' 49' 246' 7<9' =860' 20' 503A60D' .7' 8==0 : . ' 68@49B ' 0 ' 28?0' 0?05' 06.00C0D' @7A ' 89D' 6.4""# D7' 67 ' 86' C@' B77D ' 89D' A6. ' 89D' F49D' 75D6' " . 0 N*0 1 8"4BA"8' <86' .20' 3456.' <2760' 8557B89.' 0856' =7A"D' 09DA50' .20' 8 : : 0""8.479' ' 89D' 246' 0I8C : "0' <86' 37""7<0D' ; @' .28.' 54?8" 73' 246' ?4=06 ' 7C4.489* 1 4=.75 ' <24"6.' 68.454\49B' .20' =2858=.05' 73' 47=" 0.489 ' 50C85F6 ' é 0' <86' .20' 3456. ' 83.05' 8"4BA"8' 89D' 7C4.489 ' <27' 8""7<0D' 24C60"3' .7' ; 0' =8""0D' 7 : 09"@' . V' 246' <86' .20' "066' 50C85F8 ; "0' 49' 7C4.489 ' 86' 20' <4620D' .7' 20' =8""0D' 97.' 79"@' ' ; A.' ' 73' ; 7.2' <24=2' 8 : : 0""8.4796' 85.48" 3A5946206' C89@' 496.89=06# ,H@ D0B5006 ' 27<0?05 ' .20' 7430964?09066' 73' .246' .4."0' ; 0=8C0' 673.090D' 357C' A60' 89D' 38C4"4854.@ ' 67' .28.' ; @' .20' .4C0' 73' 4# "8AD4A6' 4.' <86' 50B85D0D' C050"@' 86' 8' .0944' 73' =7A5.06@* 1 090=8' 68@6 ' é 7A' 28?0' =8""0D' 24C' $ ' A6.' 49' .20' 68C0' <8@' 86' <=' =8"" 8""# =89D4D8.06' ' ' 75' 86' <0' 68"A.0' : 056796

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<27C' <0' C00. ' 627A"D' <0' 97.' 50C0C ; 05' .2045' 98C06 ' 86' . $ I1 .' 46' 97.' 6A5 : 54649B' .28.' 58 89' 24C60"3' 627A"D' 28?0' : 05C4..0D' "49@' .7' 8DD5066' 24C' =796.89."@' 49' 246' 0 : 46."06' 86' .

9.7949867 4A6' <86' .20' 3456.' .7' <27C' .20' .4."0' 73' . ' <86' 8 : : "40D' 79' =7496' ' ; A.' 4.' <86' &500=0' 89D' 648 1 =79SA050D' &500=0' 89D' =8 : .A50D' 648 1 <24=2' 3A594620D' .20' 496.89=06 ' 86' !A6A8" ' 73' 0I.50C0' 8DA"8.479# 20' <75D' ' A : 47 ' M 75DN' 46' 37A9D' 79' 8' =749' 73' 9.47=2' 8D' 4 : E' : A93z' 49' 0=8 : 7"46 1 .2A6' ' ' ' # E' 3" # 275."@' 83.05<85D6 ' 79' =7496' 73' # A50"4A6' 89D' 246' 38C4"@ ' 6.5A=F' 49' 067 : 7C .8C48 ' 8' 64C4"85' A60' 46' C8D0' 73' .20' <75D' ' ?: C6# 9' =7496' 73' .20' =7"79@' 73' 9.47=2 ' 49' 464D48 ' <4.2' .20' 208D6' 73' 858=8""8' 89D' &0.8 ' <0' 508D' ?4= *' # # 9D' 79' 8' =749' 73' &75D48AA6' 4A6 ' C49.0D' 49' .20' 68C0' =7"79@ ' 8 : : 0856' ! " D * ! ' 7

20' 3750B749B' 0I8C : "06 ' 27<0?05 ' ; 0"79B' 79"@' .7' .20' 37504B9' =7498B0# .' <86' .20' C : 0575' A50"489' <27' 3456.' 49.57DA=0D' .20' .4."0' . ' A : 79' =7496' 73' 7C89' D40 ' <209' 20' 8""7<0D' .20' 37""7<49B' 496=54 : .479' .7' 8 : : 085/1 ' ' D ! ' ' M79' 7.2056' 3 # N * 0! ' & ' M600' :# H, a' 73' .246' D4=.47985@N# 0I.' .7' .20' 8 ; 7?0 ' 49' : 749.' 73' .4C0 ' 47="0.489A6' 89D' 8I4E' C489A6 ' 50=04?0D' .20' D46.49=.479' 73' # # ; A.' 97.' A9.4"' .2045' 8 ; D4=8.479' 73' .20' 0C : 450' 9 ' ' H [N# 3.05<85D6 ' 4.' <86' =7930550D' C750' 350SA09."@' 79' .20' 806856' .289' 79' .20' C : 05756 ' .27AB2' 375' <28.' 508679' 46' A9=05.849# 86."@ ' 357C' .20' .20' .4C06' 73' .20' 6796' 73' 796.89.490' .20' &508.' 4.' ; 0=8C0' 8' =7CC79' : 5097C09 ' .28.' 73' E' ' ; 049B' B58DA8""@' 8 ; 7"4620D# 9D' 8.' "09B.2' 4.' <86' 509D050D' 67' CA=2' 8' C8..05' 73' =7A560 ' .28.' 43' 89@' 790' 49' .20' 504B9' 73' KA6.49489 ' 28D' A60D' .20' <75D' + ' 496.08D' 73' . 3' 89D' 73' ' 496.08D' 73' * ' 20' <7A"D' 28?0' ; 009' =7964D050D' BA4".@' 73' 89' 496A".' 75' 8.' "086.' 73' B508.' 4B9758A=0* 1 00' . '-$ ' ' ?444# :# H E [E *

' B096 1 8.' 3456.' : "0 ; 0489 ' 83.05<85D6' : 8.54=489 ' ; 08549B' .20' 506 : 0=.4?0' 6A598C06' 73' ' 89D' ' 1 20' B7"D' =7496' 73' .246' 38C4"@' 850' ?05@' 5850 ' .20' 64"?05 ' <4.2' 8' 30<' 0I=0 : .4796 ' =7CC79# 20' ; 5866' 850' ' 89D' 7.205' : 85.6' 73' .20' 1 C79B' 7.205' ?8540G .406' 73' "0B09D6' 89D' .@ : 06' 850' .20' 37""7<49B' / 1

, # ' 44 * 1 ' 208D' 9085"@' ; 8"D 89D' <4.2' 2085D' ="760"@ =57 : : 0D*EEE * ' * ' ' # F i ' ' .0C : "0' 73' 37A5' =7"AC96 ' 50 : 50609.0D' 49' : 056 : 0=.4?0' 9085' .20' : 0D4C09.' 73' <24=2' <0' 508D' # k + ' % ^ 47990.' SA7.06' .246' 0I.50C0"@' 5850' B7"D' =749 ' 357C' .20' =8 ; 490.' 73' .20' AF0' D0? "8=86 ' 89D' ?8"A06' 4.' 8.' ' 35 1 ' 3490' 6 : 0=4C09' ; 57AB2.

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$>>' ' 6# 8.' .20' 0C ; 57F0' 68"0* 1 20' 8 ; 7?0' =A.' 46' 83.05' 8' =86.' 357C' 8' ; 08A.43A"# 6 : 0=4C09' 49' .20' 54.462' A60AC# 20' 208D' 79' .20' 7 ; ?0560' 46' 0?4D09."@' 8' : 75.584.A50 ' 89D' 46=79.4' 8.' 79=0' 86=54 ; 06' 4.' .7' 90A6' 7C4.4A6' 2097 ; 85 ; A6Q*

H# #*EEE ' ; 850' 208D ' 6"4B2."@ ; 085D0D* 1 6 1 =*' ' ! ! ' ! # ' 57<' 73' 8' 624 :' 79' <24=2' 46' 8' .57 : 2@* 1 ^ 246' 64"?05' =749 ' ?8"A0D' ; @' "47990.' 8.' ' 3.# ; 57AB2.' , a6# 8.' .20' 5AC0"" 68"0Q*

20' =7B97C09')) ' <86' D054?0D' .7' .246' 38C4"@' 357C' 89' 0?09.' 684D' .7' 28?0' 7==A550D' .7' .20' 796A"# A=4A6' 7C4.4A6# 6' .20' 38 ; "0' B706 ' 4.' <86' .7' 24C' .28.' .20' 476=A54 8997A9=0D' .20' #7C89' ?4=.75@' 8.' #0B4""A6 ' 89D' 49' =7960C' SA09=0' 73' .246' A90I : 0=.0D' 09=7A9.05' <4.2' 86.75' 89D' 7""A1 ' 75' .257AB2' .20' 0IA".8.479' <24=2' .20' B77D' 90<6' 0I=4.0D' 49' 24C ' .20' 796A 6' ; 085D' ; 0=8C0' 50D*

75' 8' C750' 8C : "0' 97.4=0' 73' .246' : 7 : A"85' .58G D4.479 ' .7B0.205' <4.2' 89' 0I : "898.479' 73' .20' 624 :' 89D' .57 : 2@' .@ : 0' 79' .20' 375C05' 73' .2060' .<7' 50G ?05606 ' 89D' 73' .20' .0C : "0' MD0D4=8.0D' .7' 0 : .A90N' 79' .20' "8..05 1 ; 7.2' =7496' ; 049B' 6.5A=F' 49' .20' @085' 73' #7C0' ,H' 9 ' ' ,N ' .20' 508D05' 46' 50G 30550D' .7' :# ,' 89D' H > ' 85.4="0' $ * $ ' "67' .7' . 3' :# HH, *

' # 24 : L6' : 57< ' 8 ; 7?0' <24=2' 46' 8' 6.85* 1 1) 1 ' " 444?4#*# #" : # =# 850' 208D' 73' 85F' 9G .79@ ' ; 0249D' 4.' .20'

90A6' 7C4.4A6 ' <27' C49.0D' .246' =749' 7A.' 73' #7C0 ' <86' 679' 73' A=4A6' 7C4.4A6 ' 89D' 90 : 20<' 73' .20' =796A" 89D' =09675' 904A6' 7C4.4A6 ' B589DG 38.205' 73' 057 ' 90 : 20<' 79' .20' 646.05L6' 64D0' .7' 8.7' 73' .4=8 ' 89D' 343.2' =7A649' 73' # 5A.A6# ..8=249B' 24C60"3' 8.' .20' =7CC09=0C09.' 73' .20' =4?4" <85' .7' .20' =796 : 458.756L : 85.@ ' 20' 83.05G <85D6' ; 0=8C0' 9.79@L6' 98 8" =7CC89D05' 8B8496.' =.8?489 ' ; A.' 83.05' .20' D08.2' 73' .20' 375C05' .54AC?45 ' 20' ; 0=8C0' 50=79=4"0D' .7' 9BA6.Z46 ' 89D' 49' >>' 9$ ' " ' H>N ' 605?0D' .20' 7334=0' 73' =796A" 8.' #7C0* 1 00' #4==47 ' :# >*

^ 47990.' ?8"A06' .246' =749' 49' B7"D' 8.' > ' 35*Q # # # # # &8"08.0D' 208D' 73' #7C0 ' <4.2' C85F' 73' .20' D09854A6* 1 6 1 # 40*' # 856 ' 4CD58 : 0D ' 6.89D6' 49' 8' ; 4B8' B749B' 8.' 3A"" 6 : 00D ' 20' ; 589D46206' 8' 6 : 085' 49' 246' 54B2.' 289D ' 89D' 27"D6' 8' 2@=F"05' 89D' 8' C4"4.85@' "4.AA6' 79' 246' "03.' 85C# 9D05' .20' 275606' 46' .20' <75D' " * ! 1 00' 89' 09B58?49B' 73' .20' 68C0' =749' 49' = 76= 4 ' B096 ' :# >a * [# 8C0' 7 ; ?0560*EEEE6 * 1 = *' ' ; 0"7< # ' 4=.75@' 49' 8' 24B8' 0 ; 0908.2' .20' 275606' 73' <24=2 ' 8' B"8D48.75 ' 85C0D' <4.2' 8' 6 : 085 ' 46' 6009' 34B2.49B' <4.2' 8' "479 1 00' ' 6 ' 6 ' : "8.0' , ' 7# ?4*

20' 7C4.4A6' 73' .246' 89D' .20' : 50=0D49B' D0986 54A6' 8 : : 0856' .7' =F20"# A9=05.849# "D05' 9AC46G C8.46.6' 86=54 ; 0' 4.' .7' 7C4.4A6 ' 679' 73' 897.205' 90A6 ' 89D' 90 : 20<' 73' A=4A6 ' B589DE38.205' 73' 7C4.4A6' .20' =09675# .' <86' =7490D' : 0528 : 6' 79' .20' 7==86479' 73' 246' 34""49B' 8' CA94=4 : 8"' 7334=0' D4330509.' 357C' .28.' 73' C790@05 ' 75' 58.205' 4.' C4B2.' 28?0' ; 009' C49.0D' ; @' 67C0' D06=09D89.' 73' 246 ' <27' D06450D' .7' =7CC0C758.0' .20' CA94=4 : 8"' 2797A56' 73' 246' 38C4"@# &"8D48.7548" 6 : 0=.8="06*

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.77F 503ABO 49 .20 =8:{.7" <4.2 246 A9="0 8;4G 986 8.' .20 09D 73 0=0C;05 9D 83.05 .28.' ;A4"D49B 28D ;009 ;0640B0D 89D 60.' 3450 .7 0?09G .A8""@ C8D0 246 06=8:0 D46BA460D 86 8 :5406.' 73 646 246 24D49BE:"8=0 ;049B 67AB2.' 375 49 0?05@ 7.205 D450=.479 M A0.794A6 =28:4 8=4.A6 46. 4?N 1 4.0""4A6 28?49B ;009 :A.' .7 D08.2 8;7A.' .20 > .2 73 0=0C;05 >' 9 aN 7C4.489 466A0D 357C 246 50.508. 89D <86 284"0D 86 80685;@ .20 85C@ 20 =28=0 73 .20 67"G D4056 <86 =79345C0D ;@ .20 098.0 <27 49 8DG D4.479 D0=500D .7 7C4.489 .20 :50.75624:' 73 .20 =4.@ 89D .20 =796A"85 D4B94.@ 9 K89A85@

>H 9 N 20 09.050D A:79 .20 B7?059C09.' 73 .20 =4.@ 89D D46=285B0D 4.6 3A9=.4796 49 89 A9:549=4:"0D C89905 D46.542A.49B =8:54=47A6"@ .20 :A;"4=' 7334=06 4967CA=2 86 .7 =8A60 .20 8;609.' 06:86489 .7 0I:5066 246 6A5:5460 .28.' 246 679 D4D 97.' 609D 7A.'67C0 790 .7 6A:0560D0 24CG 60"3 0 60.' 7A.' <4.2 A=489A6 8B8496.' .20 &8""4 8.8?4 89D &05C894 <27 <050 49 50?7".:! ;A. 208549B ;@ .20 <8@ .28.' 6A==066 28D 8.G .09D0D .20 7:058.4796 73 0.4"4A6 0508"46 20 6.7::0D 8.' ABDA9AC M @79N 8C0 @085 20 C85540D 7C4.48 79B498 <27C 20 .77F 8<8@ ;@ 375=0 357C 205 2A6;89D C4"489A6*

> 9 7 ,NO 1 246 @085 $$ 89D 83.05<85D6 375 .20 60=79D .4C0 20 86646.0D 8.' .20 .54AC:2 73 24 38.205 89D ;57.205 375 .20 =8:.A50 73 KO5A68"0C 1 89 7;0=.' 73 97.4=0 79 .28.' 7==86479 357C ;049B C7A9.0D 79 8 <24.0 27560 4

>[' 9 N* 1 A549B .246 89D .20 641 37"G "7<49B @0856 97 :85.4=A"856 73 7C4.489L6 "430 850 3A59462 0D ;@ :A;"4=' 50=75D6 A.' =7496 28D ;0BA9 .7 ;0 8;A9D89.* 1 T .' 46 ?05@ :57;8;"0 M7;605?06 =F20"N .28.' 6A6:4=4796 ;049B 09.05G .8490D 73 246 50?7"A.47985@ D064B96 20 97<' 86G 6AC0D 8 C7D06.@ 89D 64C:"4=4.@ 73 D0C0897A5 89D 8330=.0D 06:0=48""@ 8 :866479 375 "4.058.A50 49 75D05.7 =79=08 .20 508 ;09.' 73 246 C49D*U 7"8B8606 ' 49B 73 85.248 49 > 9 7 [N 50SA06.49B 6A==7A56 357C 06:86489 8B8496.' .20 "894 89D 897.205 B09058 357C 8C79B 246 6796 7C4.489 A60D 0?05@ 03375.' .7 :57=A50 .20 8:G :749.C09.' 375 24C60"3 A.' 06:86489 503A60D .20 50SA450D 84D 8".7B0.205*

H>' 9 aN* 1 46 38.205 D@49B 79 .20 a.2 F8"09D6 73 KA"@ 246 0"D05;57.205 4.A6 6A==00D0D .7 .20 0C:450 7C4.489 =7C:"8490D .28.' .27 "03.' 8 62850 49 .20 67?0504B9.@ .20 <4"" 73 246 38.205 28D ;009 .8C:050D <4.2 46 ;57.205 09D08?7A50D .7 =7967"0 24C <4.2 .20 866A589=0 .28.' 20 627A"D ;0 97.' 79"@ .20 628505 73 .20 %33 50 _;A.' 627A"D 8"67 ;0 246 6A==06675*

BI 9 N*EEEE 0 A9=08649B"@ ;7.2 49 60=50.' 7:09"@ 09B8B0D 49 :"7.6 8B8496.' 246 ;57.205 8..0C:.49B .7 60DA=0 .20 85C@ 89D C0D4.8.0D 344B2. * 4.A6 8"" .20 <24"0 ;08549B .2760 533.347@89=06 <4.2 :8.409=0 89D 67C0.4C06 Y<4.2 .0856 09.508.49B 246 ;57.205 .7 50.A59 .7 .05C6 :3 8330=.479 M

H 9 ,N* 1 246 @085 7C4.489 <86 :57="84C0D 0C:0575 79 .20 D08.2 73 4.A6 246 ;57.205*

H[= = >N* 1 7C4.489 64B98"460D 246 8=G =066479 .7 .20 .25790 ;@ .20 49.57DA=.479 73 68"A.85@ "8<6 0 506.750D .20 8:4.7 4984444E 34=09."@ 679 <86 ;759 .7 24C 506:0=.49B <274S 600 4414 *

H 9 HN* 1 B54=7"8 D0308.0D .20 8"0G D794896 9D05 .28. 8;"0 ,;58?0 89D 8=.4?0 =7CC89D05 4.' <86 .209 375 .20 3456.' .4C0 86=05G .8490D .28.' 54.849 46 09.450"@ 6A557A9D0D ;@ <8.05 7C4.489 A9D05.77F .246 @085 89 0I:0G D4.479 8B8496.' .20 M:07:"0 73 0660N*

H 9 N* 1 20 <85 <4.2 .20 8..4 <86 :A.' 89 09D .7 ;@ 7C4.489 <4.27A.' =7C49B .7 ;"7<6 <4.2 .20 090C@*0 20 .4."0 73 4 8:0850D 375 .20 3456.' .4C0 79 =7496 73 .246 @085 @ .20 ?8"7A5 73 B54=7"8 54.849 <86 375 8 .4C0 50DA=0D .7 8 6.8.0 73 :08=03A 6A;0=.479*

H 9 [N* 1 7504B9 <856 50"8.4?0 .7 <24=2 .2050 46 97 =05.849 49375C8.479 89D 8.' 27C0 8.57=47A6 8=.6 73 =5A0".@ 79 .20 :85.' 73 7C4.489*

Ha 9 N* 1 20 3456.' 8:4.7"490 B8C06 <050 =0"0;58.0D .246 @085 49.09D0D "4F0 .20 "@C:4=' .7 50=A5 0?05@ 343.2 @085 20 8=489 <85 =7CC09=0D ;049B 60.' 79 377.';@ 0=0;8"A6 F49B 73 .28.' 98.479 89D <86 =85540D 79 375 C89@ @0856 <4.2 ?8540D 6A==066 ;A.' <4.2 B508.' D46=50D4.' .7 .20 #7C89 85C6*

,9 7 N* 1 ' ' $' F ' 4 1 7.246 @085 M.27AB2 .20 C8..05 46 49 B508.' A9=05.849.@N 4""0C79.' 503056 .20 50?7".' 73 9.794A6 B7?05975 73 :05 &05C89@ <27 C8D0 89 8..0C:.' .7 49?8D0 .20 0C:450* 1 7C4.489 <09.' 7A.' .7 50:0 246 8D?89=0 2A.' 50.A590D 79 "085949B .28.' 9.794A6 28D ;009 D0308.0D 89D 6"849 ;@ 814CA6*

>E H 9 a 89D a4.N 1 2050 850 97 =05.849 50=75D6 73 .20 0?09.6 73 .'4060 .<7 @0856* H 9 'a,N* 1 A60;4A6 503056 .20 .54AC:2 7?05 .20 8=4896 .7 .246 @085 86 50=75D0D 8"67 ;@ A0.794A6 ;A.' <4.27A.' 8 D8.0*

H # *

4 *1 20' 8: :0""8.479' 73'.246' <7C89' 46'.2A6' 508D ' A98==7C : 8940D' 3'.20'.4."0' 73' ' 3' 79' 8' "85BI0' ;5866' 73' 8"4BA"8 ' 49' 8667=48W .479' <4.2' .20' 98C06' 73' 205'.<7' 646.056 ' & * !#D #! ' 89D' 5? 4 ' ; 7.2' 7 ; 0=.6 ' <4.2' 20560"3 ' 73' 28.' .@589.L6' 49=06.A7A6' "7?0 ' KA"48' 5A64""8 ' .20' D8AB2.05' 73' B54: :498' 609475' 89D' 73' &05E C894=96 ' <86' ; 759' ' 9 ' ' , [N ' 8.' 50?06 ' C85540D' ;@' 4;05A6' .7' # 8664A6' 79B49A6 ' B589D679' 73' 8664A6 ' 89D' .8F09' 357C' 205' 2A6G ;89D' ;@' 205' 7<9' 010=58;"0' ;57.205' .7' =728 ;4.' <4.2' 24C# 5A64""8' D40D' ' ' H * 1 00' .20' 50G ?0560' 09B58?0D' 49' :' >a*

' EEEEE 057' "8AD4A6' 5A6A6 &05C894=A6 ' =7CC79"@' =8""0D' 5A6A6' 609475 ' <86' .20' 679' 73' 4# "8AD4A6' 057' 89D' 73' 4?48# 0' =8C0' 49.7' .20' <75"D' 49' .20' @085' 73' #7C0' , ' 9$ ' " ' H N ' 97.' 27<0?05' 8.' 246' 38.205L6' 27A60 ' ; A.' 49' .28.' 73' =.8?489A6' M83.05<85D6' ABA6.A6N ' .2500' C79.26' 83.05' 20' 28D ' <4.2' .20' :05C466479' 73' 205' 2A6; 89D ' C85540D' 4?48 ' .209' ' <4.2' 5A6A6 ' 8' =45=AC6.89=0' <2 4=2' B8?0' 5460' .7' .20' "490 1 08.46' .54C06.506' "4;0576' 986=4 1 T 7' .20' 375.A98.0 ' =24"D509' 73' .2500' C79.26' 850' ;759*U' M A0.79# 49' "8AD ' =# N* 1 ' 46' :5097C09' <86' 8.' 3456.' * M F3' 89D' 83.05G

<85D6' ' ;@' <24=2' 20' 46' 49?8548;"@' D064BG 98.0D' 79' =7496 ' .2A6 1 * ' " o ! ' * ' 67' 86' .7' 49D4=8.0' ;@' .20' 98C06' ' 89D' 'a Y ' 246' : 8.0598" ' B0908"7B@' ."457AB2' .20' B096' 4?48# 75 ' 8==75D49B' .7' A0.794A6' M49' 4;05 ' =# HN ' 20' <86' 0957""0D' 8"67' 49' .20' 38C4"@' 73' .20' 4?44 ' ;@ .20' 8D7: .479' 49.7' 4.' 73' 246' C8.0598"# B589D38.205# 049B' :57C7.0D ' ;@' .20' 493440A 0' 73' ABA6.A6 ' .7' 89' 085"405' 62850' 49' : A;"4=' 2797A56' .289' .20' 6.54=.' "0..05' 73' .20' "8<' <7A"D' 28?0' : 05C4..0D ' 20' <86' 098;"0D' .7' D0?7.0' 24C60"3' .7' .20' =8CG :84B96' 49' &05C89@' 357C' .20' @085' A# =# Ha' 9$ ' " ' , [N ' 375' 641' @0856' .4""# 246' D08.2 ' DA549B' <2 4=2' : 0547D' 20' : 85."@' F0 : .' 49' =20=F' .20' A0?4 ' 4=8C ;54 ' 20C6=4 ' 89D' 54644 ' 89D' : 85."@' 50G DA=0D' .20C' .7' .20' #7C89' 8""0B489=0# 0' =7CG :"0.0D' <4.2' ?86.' "8 ; 7A5' 8' D8C ' 75' D@F0 ' 8=5766' .20' #2490 ' .7' C7D058.0' .20' 375=0' 73' .20' 6.508C ' 89D' <2 4=2 ' 86' "8.0' 86' .20' .4C0' 73' A0.794A6' <86' =8""0D' .20' "! %' . ' 89D' 46' .7' ;46' D8@' 89' 7; 0=.' 73' <79D05# .' .20' ;0B49949B' 73' 246' =796A"8.0 ' 49' .20' @085' A# =# [' 9$ ' " ' aN ' 20' : 57=00D0D' 49.7' &05C89@' 89D' <86' .20' 3456.' #7G C89' <27' : 090.58.0D' 86' 385' 86' .20' ";46' M97<' .20' ,) % Y ! ?B B ' ?4# , [E *

5A6A6' 609475' D40D' .20' 68C0' @085' .245.@' D8@6' 83.05' 8' 38"" 357C' 246' 27560 ' =8A60D' D7A ; ."066' ;@' 8' 354B2.3A"# 8: :854.479 ' A9D05' .20' 6A : 056.4.47A6' 493"A09=0' 73' <2 4=2' 20' <86' D0.0550D' 357C' : A56AG 49B' .20' &04C8A6' ;0@79D' .20' ";0# 0' <86' 67' D46.49BA4620D' 8' 38?7A54.0' 73' ABA6.A6 ' 79' 8=G =7A9.' 73' 246' ?8"7A5' 89D' 49.0B54.@' .28.' 49' .20' 758.479' <24=2' .28.' 0C : 0575' D0"4?050D' 8.' 246' ;A548" ' 20' : 58@0D' T .4"0' B7D6?.7' C8F0' 246' 7<9' 406856' "4F0' .20' D0=0860D ' 89D' B589.' .7' 24C60"3' 86' 2797A58;"0' 89' 09D' 86' 246' 28D' ;009*U 1 8"0G 54A6' 814CA6' 6 : 08F6' 49' 24B2' .05C6' 73' 246' C758# SA8"4.406 ' 89D' 73' 246' =79 AB8# 34D0"4.@# 20' 37504B9' ?4=.7540 6' 73' 5A6A6 ' 89D' .20' 50B50.6

<24=2' 20' : A;"4="@' 01 : 50660D' 79' .20' "766' 73' .20' 3500' 50 : A;"4=' 509D050D' 246' 98C0' : 7 : A"85 ' 89D' 246' : 50C8.A50' D08.2 ' <24=2' .77F' : "8=0' DA549B' 246' 7A590@' 27C0<85D6 ' ;03750' 20' 508=20D' .20' #2490 ' =79.54 ; A.0D' .7' 509D05' 246' C0C75@' 6.4""# C750' D085' .7' .20' #7C896# 46' 50C8496' <050' =79?0@0D' .7' #7C0 ' 89D' : "8=0D ' <4.2' .20' 24B206.' 2797A56 ' 49' .20' 38C4"@' C8A67"0AC' 73' ABA6.A6* 46' ;5866' =7496' M79"@' .2760' 73' .20' "85B0' 64\0' 850' 01.89.N ' 6.5A=F' A9D05' "8AD4A6 ' 850' 97.' 5850 ' <4.2' .20' 01=0 : .479' 73' .2760' 506.750D' ;@' 4.A6' 8AD' ;@' 7C4.489# 9' .2060' 20' 46' 6.@"0D ,# # ' ' # ' & #E ' ' 850' 208D' 73' 4EA6A6' 609475' .7' .20' "03.* 1 6 ( ) ' #' 4 ' H $ ' ' #4E) ' ' B3 H ' M 4;054A6' "8AG D4A6' 6=685' ABA6.A6 ' 7?0504B9' 79.433 ' 49G ?06.0D' <4.2' .20' .54; A94.489' : 7<05N# .8.A0' 73' .20' 0"D05' 5A6A6 ' ="7.20D' 49' .20' .7B8 ' .A590D' .7' .20' 54B2. ' 608.0D' 79' 8' 208 :' 73' 89A6 ' 89D' 27"DG 49B' 8' ;589=2' 49' .20' 54B2.' 289D# 0"7<' 46' .20' C85F' 73' 098.7548" 8A.2754.@' 375' 6.54F49B' .20' =749* 1 9B58?0D' 86' 8;7?0' 357C' 8' 6 : 0=4C09' 49' .20' =7C : 4"05L6' : 766066479*

246' ;5866' =749 ' 89D' .20' .<7' 37""7<49B' ' < 50' C49.0D' ;@' 75D05' 73' .20' C : 0575' "8AD4A6 ' 89D' 49' 2797A5' 73' 246' 38.205L6' C0C75@# 20@ 5090<' .20' C0C75@' 73' .20' 6.8.A06 ' ; 7.2' 0SA06G .5489' 89D' : 0D06.5489 ' <24=2 ' <4.2' 7.205' 2797A56 ' <050' D0D4=8.0D' .7' 24C' 83.05' 246' D0=0860# 20' 6A598C0' 73' 4 ' 8..8=20D' 2050' .7' .20' "0B09D' 73' 5A6A6 ' <86' 97.' D0=500D' .7' 24C' A9.4"# 83.05' 246' D08.2 1 .20' 098.0' 8.' .20' 68C0' .4C0' 8A.2754649B' 8"" 246' D06=09D89.6' .7' ;085' 8' 98C0' <24=2' 50=8""0D' .20' B""75@' 73' .2045' 89=06.75*

># 1 1 8C0' "0B09D' <4.2' "89508.0D' 208D' 73' 5A6A6' 609475* 33 *E ' & # ' M 4=.75@' 7?05' .20' &05C896N# SA06.5489' 6.8.A0' .7' .20

H[# .K ') #*

T 20' 89=409.6' 28D' : 85.4=A"85' 5086796 1 =79E# 90=.0D' <4.2' .20' C76.' :5737A9D' ;589=2' 73' .2045' 50"4B4796' ;0"4036 1 375E8..8=249B ' 8' 6A : 056.4.47A6' 4C : 75.89=0' .7' .20' ;45.2' 73' .<496*U' # 0975E' C89. ' 49' C8F49B' ."C' 8;7?0' 50C85F' 49' 246' 0 + ' M : *' > N ' 503056' 246' 508D056' 375' 89' 0IG : 764.479' 73' .2060' 5086796' .7' 246' ' 4 ' 0 ' ' ' ' ' 60=79D' 679' 73' &05C894=A6' 89D' 73' B54 : : 498' 609475 ' <86' 2759' 8 ; 7A.' .20' @085' ,' M' ' *' N' 866AC0D' .20' ' '49' ' 9 ' ' >HN' ' 89D' ;049B' .20' 68C0' @085' 50G =7CC09D0D' ; @' 4 ; 054A6' .7' .20' 098.0 ' .7B04205' <4.2' 246' ; 57.205' 057 ' 46' 684D' ; @' 8=4.A6' k 4?*' H N ' .7' 28?0' ; 009' 8 : : 749.0D' : 5030=.' 73' .20' =4.@ ' ' 9 ' ' >[N*' 0' <86' 8' @7A.2' 73' 89' 0I.50C0"@' =5A0" D46 : 764.479 ' 89D' .257AB2 '893=4E' .479' 73' : 7<05' =796 : 450D' <4.2' 0 89A6' 8B8496.' 246' 7<9' ; 57.205' 057*' 8.' 20' ?05@' 085"@' : 84D' .20' : 098".@ ' 375' 83.05' 246' ; 57.205' 28D' ; 009' B7.' 54D' 73' ; 0=7C49B' 24C60"3' .20' 90I.' 7 ; 6.8="0' .7' .20' : 57 0=.6' 73' 0 89A6 ' 20' 30"" 8' ?4=.4C' .7' .20' 68C0' C8=2498.4796 ' 89D' <86' ="760"@' =79 9=D' 49' .20' DA9B0796' 73' .20' # ' 46' D08.2' <86' D030550D' 97.' 357C' ' C7.4?06' 73' C05=@ ' ; A.' 49' 75D05' .28.' 4 ; 054A6' C4B2.' 3.4?0' 67C0' 790' 7' .8F0' : 85.' 8B8496.' 0 89A6 ' .209' D06.490D' .7' D06.5A=G .479 ' 49' .20' 0?09.' 73' 246' 50675.49B' .7' ?47"09.' C086A506' ' 86' .20' 49=" 498.4796' 73' .20' : 07 : "0' <050' 6.579B"@' ; 48660D' 49' 38?7A5' 73' .20' 679' 73' &05C894G =A6' A.' <209' 0 89A6' 28D' ; 009' : A.' .7' D08.2 ' .20' 4C : 0548" .@589. ' 300"49B' 60=A50' 73' 246' 6830.@ ' 28D' .20' =5A0".@' .7' D0 : 54?0' 5A6A6' 73' 377D" 9D ' .2A6' 50DA=0D' .7' B98<' .20' ?05@' <77"' 73' 246' ; 0D ' .20' <50.=20D' @7A9B' : 549=0' : 57.58=.0D' 89' 8B794\49B' 0I46.09=0' .4"" .20' 949.2' D8@ ' <209' 20' 0I : 450D' ' 9 ' ' HHN*' 4 ; 054A6' 75D050D' 246' 86206' .7' ; 0' 6=8..050D' .28.' 20' C4B2.' 90?05' 50=04?0' .20' 2797A56' 73' ; A548"* 1 =F20" ' ?4*' >, E 20' 0SA06.5489' 0334B406' 73' 5A6A6' 89D' 246' ; 57G .205' 057' 8 : : 085' 79' 60=79D' ; 5866' 73' 8"4BA"8*' 1 00' # ' ' # ' # * * 1 00' #*' *' * ' .

1 8' : "0 ; 0489' B096 ' "4.."0' F97<9* 1 ' 20' =7496' 86=54 ; 0D' .7' 4.' 850' ; 5866 ' =79646.49B' 67"0"@' 73' .20' ' 89D' 67C0' 73' 4.6' D4?4647 96 ' ?4*' .20' 60C46 ' .20' .54096 ' 89D' .20' 60I.896*' 9D05' .20' 208D' 73' 94"448 ' #4==47' M : *' H ' : "8.0' 141*' 7*' ,N ' B4?06' 09B58?49B6' 73' .<7' : 40=06 ' 790' <4.2' D7A ; "0E208D0D' K89A6 ' .20' 60=79D' <4.2' .20' 208D' 73' 05=A5@' 79' 790' 84D0 ' 89D' 79' .20' 50G ?0560' 73' ; 7.2' 8' 624 : L6' : 57<' 79' .20' .7 : ' 73' <24=2' 6.89D6' 8' 6C8"" 34BA50' 73' 8' ; A"" ' 8.' .20' ; 7..7C' # * 9' .20' A : : 05' : 85.' 73' .20' 340"D' 850' .20' "0..056" ' ; 049B' .20' 79"@' C85F' .28.' D46.49G BA46206' .20C' 357C' =7CC7A' 6 : 0=4C096' 73' .20' ' =7498B0 ' <4.27A.' 98C06' 73' 38C4"406*' (4.2' .246' 6"4B2.' ="A0' 27<0?05' 75B2064' 508D6' ' . ' 89D' 8664B96' .20C' ; 7.2' .7' .20' 94"448' 38C4"@* +' ' + 1 8' D7A ; "0' 2759' 73' : "09.@* 1 246' =79 A9=.479 ' <24=2' 8 : : 0856' 79' 67C0' #7C89' =7496 ' 605?0D' .7' : 50D4=.' 8' 3A.A50' 8 ; A9D89=0' 73' 8"" .249B6' .7' .20' B7?059C09.' 73' .20' : 549=0*

' $' ' 8' C85F' 73' .20' : "A58"' 9AC ; 05*' 2A6' <0' 349D' &&*' <54..09' .7' 64B943@' .<7' C : 05756*' 5' 4.' 46' <54..09' &&&*' 86' 79' 8' =749' 73' 4=494A6 ' 89D' 79' 67C0' 73' 858A64A6 ' .7' D097.0' ' ABA6.X*' 9' "4F0' C89905' ' 375' & ' 606856 ' 89D' *' 375' ' C6856*' @' .20' 68C0' 5A"0 ' 79' =7496' 73' 8' "7<05' 8B0 ' 850' 7 ; 605?0D' * ' 75' C750' 5850"@' * * . ' ' 9' C0D8"6' 8"67' 73' 0 : .*' 0?05A6' 89D' 858=8""8' 46' 508D' ** ' * ' &&*' + ' ' # ' 1 00' : *' a[* 064D06' .2060' .4."06' 73' C : 05756 ' .20' 0 + ' $' ' 46' 8' C85F' 73' .20' : "A58"' <209' 4.' 7==A56' 86' 37""7<6' 1 *' . ' * ' # EEEEE # ' & * # *F##*' 4 ' *) 1 *' # *' ' ' # ' =* ' 8' <04B2.' 73' .<7' : 7A9D6' 1 ' 8"67' 8' : 40=0' 73' #7C89' C790@' ?8"A0D' 8.' .<7' ' 89D' <24=2' : 50605?0D' .20' 68C0' 98C0 ' 97.G <4.26.89D49B' 20' D4C49A.479' 73' .20' ' <24=2' <86' 50DA=0D' ; 0"7<' .20' : 7A9D* 1 00' ' 89D' 4.6' : 85.6*

' B096* 1 ' 38C4"@' 73' A9=05.849' 589F' 89D' 6=85=0"@' F97<9' .4""" .20' 8B0' 73' ABA6.A6* 1 ' 2050' 850' 641' ?8540.406' 73' 4.6' =7496*' &7"D' 5850 ' 64"?05' =7CC7A*' 85=A6' A5C496' <86' ABA6G .A6L6' C790@05' 49' H[' 9$ ' 4 ' , aN ' =79 749."@' <4.2' 85=A6' SA4"4A6' "75A6 ' 89D' A ; "4A6' 0.5794A6' A5 : 4"489A6*' 7A5' 73' 246' =7496' 28?0' 79' .2045' 7 ; Z40560H' .20' 208D' 73' ; ' 89D' 79' .2045' 50G ?05606' .@ : 06' <24=2' 50B85D' .20' 0I : "74.6' 89D' .20' 2797A56' 86=54 ; 0D' .7' ABA6.A6' 60685*' 7A5' 7.2056' 28?0' 08=2' 79' .2045' 7 ; ?05606' .20' ; 08D' 73' ABA6.A6 ' 89D' 79' .2045' 50?05606' 37A5' D4330509.' .@ : 06' 86' 649BA"85' 86' 89@' 49' .20' 605406' 73' 38C4"@' =7496 ' 89D' <24=2' 28?0 ' C750' 75' "066 ' 0C : "7@0D' .20' : 096' 73' .20' C76.' 0C4909.' 9AC46C8.7"7B46.6' 375' 8' 605406' 73' @0856*' !

,*' ^ #Q' & *' 850' 208D' 73' ABA6.A6* 1 #0_* 1 *' # ' *' #*' M 790.8"' 54AC?45N*' ' <4"D' ; 785' .589634I0D' <4.2' 8' 2A9.49B' 6 : 085*' 4"?05* >*' #' & *EEEE 8C0' .@ : 0' 86 8 ; 7?0* 1 #00* 1 *' # ' *' #*' ' "479' D0?7A549B' 8' 6.8B*' 4"?05* 1 00' 09B58?49B ' : *' H, ' 85.4="0' * ! ^ 20' 8 ; 7?0' D0?4=06' 73' .20' <4"D' ; 785' 89D' .20' "479' 0?4D09."@' 50305' .7' .2760' 6AC : .A7A6' 2A9.49B' : 85.406 ' 49' <24=2 ' 8==75D49B' .7' ; 7.2' 479' 89D' A0.794A6 ' ABA6.A6' .77F' ?05@' B508.' D0"4B2.Q* H' # *' *' # ' #*' 20' ; 850' A?094"0' 208D' 73' 797A5* 1 #0_*E #' & ? *' ABA6.A6' 6.89D49B' 49' 8' ; 4B8' 73' 0"0 : 289.6 ' 27"D6' 49' .20' 54B2.' 289D' 8' ; 589=2' 73' "8A50" ' 89D' 49' .20' "03.' .20' 6=0 : .50*' 4"?05* *' 8C0' "0B09D' 89D' @7A9B' 208D* 1 #__*E E #' & ? ' *' *' ' ; 86F0.' <4.2' 8' 3"7<05' 79' 8' SA8D54B8*' 4"?05* 1 00' !

[* 8C0'"0B09D' 89D'@7A9B'208D';0.<009'.<7'6.856*1 6 *1 & ' * * *49'8'=57<9'73'78F'"08?06* &7"D*1 =F20"*C85F6'4.'3 3'47990.'?8"A06'4.'8.' '35*

* * ' * * * 1'8C0' A?094"0'208D* 1 0.h*E ' & E' & 34 346* 'C8"0'34BA50'F900"G49B'733056'A:'89'0964B9'<4.2'246'54B2.'289D*

(4.2'506:0=.'.7'.2760'D098544'73' A5C4A6'<2760'7;?05606';085'.20'48C'89D'208D'*3' '=F20"*50=8""6'.7'.20'50=7""0=.479'73'9AE'C46C8.46.6'.28.'79'64C4"85"=7496'6.5A=F'8;7A.'.20'68C0'.4C0';@' SA4"4A6 "75A6'46'6009'.20'208D'73'!3 ' 479'8=SA849.6'A6'.28.'49'.20'@085'73' 7C0' >'9$'"',NR ABA6.A6'C8D0'67C0'8".058.479'49'.20'B8C06'D0D4=8.0D'.7' 45.A0'89D' 797A5'375'<24=2'508679' A5C4A6'89D'246'C790.85@*=7""08BA06'49'.20'@0856'4CC0D4G8.0"@'37""7<49B' H'9$'"'>N'8::085'.7'28?0'=8A60D'.20'208D'73'08=2'.7*;0'6.8C:0D'79'.2045'506:0=.4?0'D098544*1 00' ' ' ! ! '8"67'600' '& *

20'0:7=28'49'<24=2'C0D8"6'H' '[' 89D'*<050'6.5A=F'46';@'=79609.'73'8""*<54.056'79'.20'6A;0=.'5030550D'.7'.20'"86.'<85'<8B0D';@' AG BA6.A6'8B8496.'.20' 85.24896'<24=2'09D0D'49'.20'6A;C466479'73' 2588.06'.2045'F49B'89D'<4.2'.20'?7"A9.85@'506.4.A.479'73':54679056'0964B96'89D'6:74"6'.8F09'357C'.20' 7C896'$'"'>*1'09=0'375' ABA6.A6L6 28?49B'68?0D'.20';"77D'73'246'30""7<'=4.4\096'.20' 098.0'D0=500D'.7'24C'SA8D54B60'89D';4B60'<4.2'B7"D09'=57<96'89D'8'.20'C4"4.85@'89D'=4?4='2797A56'73'.20'.54AC:2*75B206*=7964D056'.28.' 797A5'89D' 45.A0'50305'.7'.20' ' + ' ! 'D0D4=8.0D'.7' ABA6.A6'79'.20' .05C498.479'73'.20' 85.2489'<85'89D'D0G:764.0D'49'.20'.0C:"0'73'.2760'.<7'#7C89'D4?4E344.406*

* #' & * 8A508.0D'208D*#=*1 * # ' *' #* '608E=58;'27"D49B'8';A..053"@'49'4.6'="8<6* &7"D*1 M 8"A0D';@' 47990.'8.' '35*N

^T' 20'=58;'B586:49B'.20';A..053"@'M68@6' =FG20"N'46'89'094BC8'<24=2'97'790'8::0856'86'@0.'.7'28?0'68.4638=.754"@'67"?0D*U' .'46'27<G0?05'"4F0'C89@'7.205'.@:06'.7' ;0'37A9D'8C79B'.20' C49.8B06'73' ABA6.A6'8'38A.86.4=' D064B9'0"0B89."@'0I0=A.0D* 20'8;7?0'=A.'73'4.'46'83.058'=86.'357C'8';08A.43A"6:0=4C09'49'.20' 54.462'A60ACQ

* #' & * 850'208D'73'ABA6.A6*1#" / ' # ' *' #*1'A""*<4.2'2AC89'38=0'<8"F49B'.7'.20'54B2.'=57<90D';@'8'3"@49B'B094A6'"4F0'.20'.@:0'73'.20'8C:89489'C790@* 246'=749'46'97.'B4?09'49'47990.* A.'4==47'D06=54;06'89D'09B58?06'4.'49'246'! + ' '6 'F++-'':4*[' 7*>*^ 246';A""*<4.2'8'2AC89'=7A9.0989=0'46'50GB85D0D';@ =F20"*86'89'0C;"0C'49??"?0D'49A..05'7;6=A54.@* 4==4S'50C85F6'.28.'e¢4.'46'8'.@:0':0=A"485'.7'8"C76.'8""*.20'=4.406'73' 8CG:8948'86'.20'<4"D';785'.589634I0D'75'97.'.589GG34I0D';0"79B6'.7' 8:A8'89D' r6.AC'89D'86'.7' 0"48';0"79B6'.20'.@:0'73'.20'"479'D0?7A549B'8'6.8BQ*

* ' '=8""0D'357C'.2045'9AC;05'<050'C8B46.58.06'49305475'49'589F'.7'.20' 50.756'89D'<;7'5064D0D'E86' ADB06'8.'8'=7A5.'" %'49'#7C0'<2050'=7B94\89=0'<86'.8F09'79"@'73'=54C498"* =8606* 20'73"4=0'<86'20"D'49'CA=2'=7264D058.479'DA549B'.20'#0:A;"4=''y6'<0""*375'.20':7<05'4.'=7930550D'86'79'8==7A9.'73'4.6'89G.4SA4.@'.20'=508.479'73'DAAC?45*4;049B'5030550D'.7'8':0547D'67'385';8=F'86'.20'504B9'73' A 96'76.4""4A6*

> ' + '<050'8"67'.<7'C09'8::749.0D'.7':05375C'.20'3A9=.4796'73'.20'75D4G985@'C8B46.58=@'49'#7C89'=7"79406'89D'CA94G=4:8*.7<96* 246'38=.'46'8..06.0D'97.';@'=7496'79"@';A.'"4F0<460';@'C85;"06'89D';@'?8547A6'<54.056*1T'7A;."066'M68@6 =F20"N'86'8==75DG49B'.7'.20'0I:50664796'73' A"A6'&0""4A6'.20'=7"79406'<050'8'675.'73'C4948.A50'4C4.8.479'73'#7C0'.2045'C7.205E=4.@'67'.2060' AAC?456'5060C;"0D'49'8'=05.849'D0B500'.20'.<7' 796A"6'73'#7C0* 9D'64C4"85"@'<28.'49'.20'"8..05'<86'.20' 098.0'49'.20'="79406'89D' + '<86'.20' ':'<24"6.'49'.20':"8=0'73' 098.756'6.77D'.20'. ' M 00'.20'<75D':*H,HN* 7507?05'86'.20' 796A"6'<050'8.'#7C0'97.'79"@'.20'75D4985@';A.'.20'24B206.'C8B46.58.06'67'8"67'49'.20'=7"79406'<050'.20'. ' 246'46'0?4D09.'357C'.20'<0""EF97<9'38=.'.28.'89'2797585@'DAAC?458.0'49'.20'=7"79406'<86'350GSA09."@':8660D'.257AB2';@'r6856'C:05756'89D''49B6* 9D'649=0'.20'=7"79406'<050'.2A6'49'.20' :58=.4=0'73'=79305549B'8'"7=8* 7334=0'79'6A=2'D46G.49BA4620D':056798B06'4.'=8997.';0'6A::760D'.28.'4.'<86'89@'7.205'.289'.20'24B206.'49'.2045':7<05'.7';06.7<* 9D'.246'8"67'0I:"8496'.200I:5066479'73' :A"=4A6 1T'9'<24=2'=7"79@'M68@6 20N' '28D'8'38.205'49'.20'24B206.':764.479'8'DAAC?45*U

9'.20'=4.0D'8A.2754.@'73'C85;"06'.2050'850'"08590D'<54.056'<27'28?0'86605.0D'.28.'.20'. '67C0.4C06'6.@"0D'.20C60"?06' ' '73'.2045'=7"79406'79'.20':"08'73'.20'5060C;"89=0'73'.2045'7<9'7334=0'.7'.28.'73'.20'.5A0'#7C89' 796A"* 20'A.275'73'. '<27'=79G64D056'.2760'=4.8.4796'.7';0'73'D7A;.3A"*8==A58=@'89D'=7960SA09."@'09.4."0D'.7';A.'"4.."0'=50D4.'=79.09D6'.28.'0?09'43'.20'. '<050'67C0G.4C06'6.@"0D' ' 4.'<86'49'8'C8990505'0G60C;"49B'.28.'49'<24=2'.20'. '<050'7==864798""@'=8""0D'098.756* 75'46'.2050'89@D7A;.';A.'.28.'43'.20'"8<'75'.20':05C466479'73'.20'24B205' :7<056'D4D'97.'8""7<'.20C'.2060'.4."06'.20@'<050'8.'"086.'.8=4."@'8==75D0D';@'?45.A0'73'.20'64C4"854.@'73'.20'7334=0*1 4?* [* 20'. '850'49D4=8.0D'79'=7496';@'.20'"0..056 * 75' #* 9'.2760'73' 608'49' :849'.20'.<7'A94.6'850' 7490D'.7B0.205';@'8'.5896?0560' "490'.2A6 #* 49'.20'68C0'<8@86'375' * <24=;'46'.20'C85F'D097.49B'8'606G.05.4A6*1 * 46'73.09'6009'79'C85;"06* 7.'A9E'350SA09."@'.20' '79"@'73'.20'. '850

[> # * & *

6.8.0D' 7% =7"7948" C790@ ' <4.27A.' .20' C85F' *E" (. ' 850' C09.4790D' 79' =7496' 73' .20' 37""7<49B' :"8=06 / 1
==4AC ' 49' 8558=7909646*
B54B09.AC ' 49' 4=4"@*
4";4"46 ' 49' 8558=7909646*
A.257.AC ' 49' :45A6*
m685E ABA6.8 ' 49' 8558=7909646*
8"8BA5546 ' 49' D7*
85.28B7' 7?8 ' 49' D7*
85.28B7' 0.A6 ' 49' 354=8*
0"68 ' 49' 8558=7909646*
7549.2 ' 49' =2848*
05.768 ' 49' 8558=7909646*
998 ' 49' 4=4"@*
5=8?4=8 ' 49' 8558=7909646
"4=AC ' 49' D7*
KA"48 ' 49' =0.4=8*
0:.46 ' 49' @5.4=8*
9A;8 ' 49' =0.4=8*
6=8 ' 49' 8558=7909646*
r6.AC ' 49' A=8948*
8975CA6 ' 49' 4=4"@*
854AC ' 49' @648*
8BA9.AC ' 49' 8558=7909646*
A54867 ' 49' D7*
.4=8 ' 49' n0AB4.898*

28.' .20' AAC?458.0' <86' 89' 7334=0' "86.49B' 375' 8' @085 ' 46' B8.2050D' 97.' 79"@' 357C' .20' 38=.' .28.' 4.' <86' 8' 3A9=.479' 73' .20' 68C0' =2858=.05' 86' .20' 796A"8.0' 73' .20' #7C896 ' ;A.' 8"67' ;0=8A60' .20' T ' M49' .20' 68C0' <8@' 86' .20' 302796 ' 50E' .756 ' 89D' =54;06' 73' .20' &500F' =4.406N' 850' 37A9D' .7' 50:08.' .20' 50=75D' 73' .2045' C8B46.58=@' 79' .2045' =7496 ' 0I :50660D' ;@' #* P"P #WhW' 86 ' 375' 0I8C:"0 ' 79' .20' C790@' 73' 7549.2 ' 89D' 7.205' :"8=06* A.' 357C' =05.849' =7496' 4.' 46' 0?4D09.' .28.' .246' =A6.7C' D4D' 97.' 7;.849' 0?05@<2050 ' 75' 97.' 49?8548 ;"@ ' 89D' .28.' 49' 60?058" =4.406' .20' AAC?458.0' <86' :57"79B0D' 375' 34?0' @0856*
20' C85F' 73' .20' #* 46' 6009' 79' =7496' 73' .20' 7C:7948' 89D' %A49.4""48' 38C4"406*
. ' / 0 EEEE 00' %A49SA09G 98"06*
' ; 1 20' r6856' 89D' '
' 350SA09."@' ;750' .20' 2797584@' 7334=06' 73' B7E' ?0C590A.' 49' .20' ?8547A6' =4.406' 73' .20' 0C:450* 246' 46' 8' 38=.' 866A50D' .7' A6' ;@' .20' 73.09' SA7.0D' .06.4C79@' 73' :85.489 ' 8==0:.0D ' 49' 8' SA06.479' "4F0' .20' :50609.' 86' :858C7A9.' 8A.2754.@' ;@ =F20" 24C60"3 ' <27' 3A5946206' 8' "46.' 73' .2060' :056798B06 ' 89D' 6.8.06' .20' =45=AC6.89=06' =79G 90=.0D' <4.2' .2045' 506:0=.4?0' 8::749.C09.6* 1 ' C79B6.' .20C' 850 ' ABA6.A6 ' * B54::8 ' 89D' 4;054A6' .0685 ' %A49SA0998"06' 73' 0"68 1 4;0G 54A6 ' #' 73' 7549.2 1 &099894=A6' 89D' 94E' H' 6796' 73' 4;054A6 ' "" 454' 73' ==4AC ' 89D' +# ' 73' 85.048 1 057' 89D' 5A6A6 ' 6796' 73' &05C894=A6 ' " 5 ' 73' r68=E ABA6.8' 89D' 85G .28B7' 7?8 1 KA ;8' *' 89D' .7"0C@ ' ' 49B6' 73' 8A50.8948 ' " . 4 M:0528:6N' 73' 85.28B7' 7?8* 1 8D5489 ' 49' .5A548 ' 605?0D' .20' 50.75624:' ' 89D' .257AB27A.' .20' ' .7<96' 20' <86' 4=G .8.75 ' D4"0 ' 89D' AAC?45 ' 8.' 08:7"46' 20' <86' +' M49?06.0D' <4.2' 54;4C4.489' :7<05N' 49' 246' 98.4?0' :"8=0' M .8"409 ' 49' :849N ' 20' <86' %A49SA0998"46 ' 86' 8"67' 8.' D548 ' 246

8D7:.0D' =7A9.5@ ' <24"6.' 8.' .2096' 20' <86' 5=279* 20' 68C0' :57=0DA50 ' .20503750 ' <86' 7;605?0D' 49' .20' =7"79406 ' 86' 7==864798""@' 49' .20' 3500' =4.406* 7496' 73' 58 89' .06.43@' .28.' 20' D46G =285B0D' .20' 24B206.' 7334=0' 73' .20' C8B46.58=@' 8.' T @\89.4AC '8' 3500' =4.@* 9D' 246.754=8* <54.056' =79G =A5' <4.2' 89=409.' C85;"06' .7' =79345C' .20' 0?4D09=0' 73' =7496* 9' 8' C85;"0' 37A9D' 49' .20' + ' 73' 7968;5958 ' 49' 46:8948' 8558=7909646 ' :A;G "4620D' ;@' &5A.05' M:4O >,N ' <0' 508D' * ' % * ' ' * # ' ' ' # ' E' * 1 9' 8' .8;"0.' 37A9D' 8.' 540906.0' B4?09' ;@' 0.05' 7BB494 ' 8::0856' .20' 496=54:.479' & #E' ' #' # ' # % %z4 _44h4Ш' EEEE 9D05' .20' =7CE C79<0 .2 ' 0C4909.' #7C896 ;750' .20' 7334=0' 73' , z (' 49' .20' =7"79406' 9085' 27C0' 86' ' ' 467' 89D' 7C:0@' .20' &508.' 8.' 8:A8* 1 00' =F20" ' M4?* N_' <27' 8DD6' .28.' 8.' .20' 6A;60SA09.' :0547D6' 73' ABA6.A6' 89D' 4;054A6' .20' 0 0 ' ' C8B46.58=@' <86' 20"D' 49' .20' =7"79406' ;@' .20' # $ ' 4" 09 ' 86' 50:50609.8.4?06' 73' .20' 006856*

*

* 1 43.2' "0..05 ' 89D' .20' 60=79D' ?7<0" ' 73' .20' ' 8":28;0.
' "79B' 46' 67C0.4C06' 37A9D' 496=54;0D' 79' .20' 085"405' =7496' 73' #7C0' <4.2' .<7' 6 ' 86' 375' 0IG 8C:"0 ' +' 496.08D' 73' + ' 79' 8' D0986 54A6' 73' A""8L6*
' 649B"0 ' 49' .20' :"8=0' 73' ' D4:.279B ' 97<' 89D' .209' 7==A56* 2A6' % * ' 375' % E' ' 86' 49' 05?8 ' # ' 375' ' E' ' 86' 49' 796.89.490' AA* KZ4"489 ' 89D' K7?489* #' 37.' # ' ' 375' ' ' 3 5' *
' ;@' 8' 38"60' =289B0' 73' ?7<0"6 ' 46' 67C0.4C06' 37A9D' A60D' 375' ' 86' # ' 79' =7496' 73' 47="0.489 ' 8I4C489 ' 89D' 796.8A.4A6' 2"7C6 ' ' L ' 86' 49' 58 89A6' 0=4A6 ' 89D' # ' 86' 49' 47="0.489*
' D46:"8=0D' ;@' ' 75' ;@' , ' 86' # ' 496.08D' 73' # ' 49' KA"489' * ' & E' # +' 496.08D' 73' & # +* 1 ^ A.' .2060' 89D' .20' 7.205' "4.058" 8".058.4796' 89D' 6A;6.4.AG .4796' 8;7?0' C09.4790D' 850' 73' 5850' 7==A5509=0Q* ' 605?06' 79' #7C89' =7496' .7' C85F' .20' $ $ ' C790.85@' 7334=0' 75' C49.*
& * " 0 % ' <24=2' 46' 6.4""* =8""0D' 0 20' ' 49B' 73' 45D6 U' 89D' <24=2' 38;"0' =7960=58.0D' .7' KA:4.05 ' 86' .20' C4946.05' 73' 246" "4B2.949B6 ' 46' .20' .@:0' A9D05' <24=2 ' 6.89D49B' 79' 8' .2A9D05;7".' 8' B"7;0 ' 8' "8A50" <508.2 ' 80:8"C' ;589=2 ' 89' 8".85 ' 75' 8' 624:L6 :57<' .20' #7C89' 0C:450' 46' C76.' 350G SA09."@' D064B98.0D' 79' =7496' 73' ABA6.A6' 9G .7949A6 ' * 05A6' M:* > ,NN' 8;498 ' =*

& *

& ' B0A6 1 73' ."40' :"0 ; 0489' 75D05# .6' 6A598C0' 79' =7496' 46' ' 75' * 1 ' 2050' 850' .2500' : 549=4 : 8#' ?8540.406' 49' .20' .@ : 06#' &7"D' 5850 ' 64"?05' =7CC79*

& # H[[.4C0 ' 8.' .20' =7CC09=0C09.' 73' .20' 60=79D' 4.2E' 54D8.4=' < 85* 1 00' ' ! ' ' F ' : : # [' *

,# + #' A6.' 73' 09A6 ' <0"#' 8D7590D ' <4.2' 8' <49B0D' A : 4D' 289B49B' .7' 205' 90=F' ; 0249D* 1 "4 * 1 # & ' # # ' <7C89' 49' 8' ; 4B8 ' C7?49B' 6"7<"@' .7' .20' "03. ' =57<90D' ; @' 8' ?4=.75@' 3"@49B' .7<85D6' 205 ' ; 0249D' .20' 085' 8' =8 :' 73' "4 ; 05.@*

># + #' 8F0D' <49B0D' ; A6.' 73' 4 4D ' <4.2' ; 7<' 89D' SA4?05' 79' 246' 627A"D05* 1 ' 8 (' ' & ' # # # # <7' =7"AC96' =3' 8' .0C : "0 ' ; 0.<009' <24=2' 6.89D' 8' C89' 49' .20' .7B8 ' <4.2' ' 49' 54B2.' 289D ' 89D' 8' <7C89' ="7.20D' 49' .20' .4C4=* 1 00' 09B58?49B ' : #' > 1 * =F20"' 83.05' 67C0' =7CC09.6' 79' .20' =7 : 00E' .A506' 73' : 50=0D49B' 9AC46C8.46.6 ' D46C46606' .20C' ; @' 68@49B ' .28.' .20' .@ : 06' M0I24 ; 4.0D' 79' .20' 8 ; 7?0' .<7' D098484 ' 89D' 79' .28.' D06054 ; 0D' 89D' 09B58?0D' ; 0"7<N ' 850' : 50=460"@' 73' 8' F49D' .7' 0I=4.0' 8' =A547G 64.@' .7' "0859' .2045' .5A0' C08949B ' ; A.' 375' <24=2' 904.205' 84""89.' 975' 8?05=8C :' 28D' D790' 8AB2.' .7' 506=A0' .20C' 357C' .20' 7 ; 6=A54.@' 49' <24=2' .20@' 37A9D' .20C' 49?7"?0D*

9D0.0550D' ; @' .20' B508.' 8A.275' 73' * I ' .790' 73' D46=7A58B0C09. ' 4==47' D0?7.06' 67C0' 8..09.479' .7' .20' 6A ; 0=.# 3.05' =4.49B' .20' 8.G .0C : .' C8D0' 49' ' ' ! ' ' .7' : 57?0' .28.' .246' 84A6' KB98.4A6 ' 679' 73' 90A6 ' 89D' 90 : 20<' 73' 90A6 ' 28D' ; 009' 8' : 57?49=48"# SA06.75' 73' A""8 ' 49' .20' .4C0' 73' .20' 3456.' 4.2E' 54D8.4=' < 85' 9$ ' " ' BT /BYA ' 20' 8DC4.6' .28.' .20' 208D' 89D' 7.205' 0C ; "0C6' 73' 4 ; 05.@' 850' 97.' A6A8""@ ' 43' 0?05 ' 37A9D' 79' .20' =74C 06' 73' A""8 ' 89D' .28.' .20@' 600C' 58.205' .7' ; 0"79B' .7' 8664A6' 89D' 5A.A6 ' 89D' .2045' 8D20509.6 ' 49' 648' 89D' 354=8 ' 83.05' .20' CA5D05' 73' KA"4A6' 60685' 9$ ' " ' N* 1 ' 0' .209' : 57000D6' .7' 7 ; 605?0 ' .28.' 09A6' C8@' : 7664 ; "@' 8""ADD' .7' .20' ; 45.2E : "8=0' 73' .20' C7E' 90@05 ' 75' .7' .20' : "8=0' <2050' .20' D09854A6' <86' 6.5A=F# A.' .20' 50 : 0.4.479' 73' .20' =8 : 6' 73' "4 ; 05.@ ' .20' <7C89' 49' 8' .54AC : 28"' =28547. ' <27' C8@' ; 0' .20' B7DD066' 73' #7C0 ' .20' : 57<6' 89D' 7856' 73' 624 : 6 ' <24=2' <050' 8C7AB6.' 6A=2' C0896' 86' .20' =796 : 458.756' <7A"D' 28?0' 28D' .7' 0C : "7@ ' 49' 75D05' .7' 8554?0' 8B849' 49' .8"@ ' : A56A89.' .7' .2045' 49G .09D0D' 09.05 : 5460' 375' .20' D06.5A=.479' 73' .20' 54AC?456 1 .2060' 89D' 7.205' 6@C ; 7"6' 600C' 8""AG 64?0' .7' .20' "86.' =4?4" <85 ' 89D' .7' C894306.' 49' .20' B98.4A6' <27' C49.0D' .20' =7496' 8' D0=4D0D' C849.8490 5' 73' #7C89' "4 ; 05.@# 9D' .246' 7 : 49479' 73' 7A56' M8DD6' 4==47N ' 46' =79=A550D' 49' ; @' 8?0E' D794 ' <27' 50=7B94\06' 86' .20' 8A.275' 73' .246' D0G 9854A6 ' .20' 679' 73' 90A6' B98.4A6 ' 679' 73' .28.' 90A6 ' <27' <86' "03.' ; 0249D' <4.2' .20' 098.756 ' <209' 246' 38.205' <86' 0I : 0""0D' 357C' #7C0 ' 8 ; 7A.' .20' @085' H' 9$ ' " ' ,N ' 49' 7C : =@ .20' &508.L6' > n' >

H# + # 0C8"0' 208D ' : 0528 : 6' 73' 4 ; 05.@ ' <4.2' C4.50€ ; 0249D' 4.' .20' =8 :' 73' 4 ; 05.@* 1 K405*E #' & ' # # # # <7' <7C09' ="7.20D' 49' .20' 6.7"8 ' 89D' B8"08.0D ' 6.89D49B' 3A""E38=0D ' 89D' 08=2' 27"D49B' 6 : 0856' ' 790' 73' .20C' : "89.6' 205' 98F0D' "03.' 377.' 79' .20' 208D' 73' 67C0' 894C8"# 9' 08=2' 64D0' 46' 89' 785' 75' 5ADD05' 60.' A : 54B2.' 79' 8' 624 : L6' : 57<# 9' 67C0' 50?05606' 73' .246' .@ : 0 ' 8' 34BA50' 73' A : 4D' 46' 3"@49B' ; 0.<009' .20' . <7' 30C8"06* & B0A6# 4.."0' F97<9# .6' =7496 ' <24=2' 850' 49' 64"?05' MSA498544N' 79"@N' 28?0' ; A.' 790' .@ : 0 ' 86' 37""7<6 ' 89D' 850' =7CC79#' 20' 6A598C0' , ' / 1

& # # # 8A508.0D' 208D' 73' : 7""7* 1 ! ' # ' 49' .20' 0I05BA0# 4=.75@' 6.89D6' <54.49B' 79' 8' 6240"D' 8..8=20D' .7' 8' .57 : 2@ ' 49' .20' 340"D' %* 246' 84A6' B98.A"04A6' 46' A9F97<9' 86' 89' 246.754=8"' : 056798B0' ' ; A.' 8==75D49B' .7' 8' 50=09.' 7 : 49479' 73' 75B2064 ' CA6.' 28?0' ; 009' C49.E' C86.05' .7<85D6' .20' .2' @085' 73' #7C0' M '=' N* "' D4 : .279B' 8 : : 0856' 79' .20' 085"405 ' .28.' 46' .7' 68@ ' .20' =796A"85' 89D' 38C4"@ =7496' 73' .20' #7C896 ' <54..09' 375' # 2A6 ' (2 12 3 ' 49' "8AE' .48' ' W4 ' 49' 4D48 ' # ' 49' 0CE' C48 ' 86 ' 8 ' # ' 49' 86648 ' 89D' 0"60<2050* # #* 1) ' .20' D4 : .279B' "' ; 049B' : A.' 375' # 246' 496=54 : .479' 8 : : 0856' 79' .20' 50?0560' 73' 8' C76.' 5850' D09854A6 ' .20' .@ : 0' 73' <24=2' 46' .20' +8 ' 75' =8 :' 73' "4 ; 05.@ ' ; 0.<009' .<7' D8BB056* 1 00' ' $ $ ' :#, [* & ' C : 0575* 1 85476' ?4.A6' 866489A6 ' 6A598C0D' "8B8 ; 8"A6 ' 357C' .20' 98C0' 73' .20' D4?494.@ ' <2760' <7562 4 :' 20' 28D' 49.57DA=0D' 49.7' #7C0 ' <86' ; 7C' 8.' C068 ' 49' @548 ' # #=#' a[' 9 ' ' > [N# 0' <86' 679' 73' 01.A6' 854A6' 85=0"'A6' 89D' 73' KA"48' 760C486 ' D8AB2.05' 73' KA"48' p68 ' 89D' 940=0' 73' KA"48' 7C98 ' =79G 60SA09."@' 20' <86' =7A649EB05C89' .7' 858=8""8#' 20' <08".2' 73' 246' B589DC7.205 ' 8DD0D' .7' 246' 50"8.479624 :' <4.2' .20' 4C : 0548"# 38C4"@' 73' =?05A6 ' 7 ; .8490D' 375' 24C' .20' 8D?89.8B0' 73' ; 049B' 8 : G : 749.0D' 5406.' 73' "8B8 ; 8"A6 ' 75' 0"47B8 ; 8"A6 ' 8' D04.@' .20" 7 ; 0=.' 73' : 85.4=A"85' 8D758.479' 8.' C068' 20' 68C0' 2797A5' <86' =7930550D' 79' 246' =7A649

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B05C89' "0I89D05' =?05A6' 679' 73' 894848' 60=79D?D8AB2.05' 73' KA"48' 6068#' 9' a ,' 9 ' 7 >, N' 4=68' 28?49B' 49' ?40<'.7' 7;.849'.20' 0CG :450' 375' 205' B589D679' =289B0D' 246' 98C06' 49.7'.2760' 73' 85=A6' A50"4A6' 9.7949A6' 89D' :50.09D0D'.28.' 20' <86' 97.' .20' 679' 73' 246' C7.2056L6' 2A6;89D' ;A.' .20' 3C4.' 73' 858=8""8L6' 49.4C8=@' <4.2' 7 0C486#' 20' 67"D4056'09=8C:0D' 9085' C068' B8490D' 7?05';@' .20' 54=206' 73' KA"48' 068' 89D' :0528:6' B4?49B' =50D09=0' .7' .246' 8DA".057A6':8509.8B0' <24=2' ;064D06' 28D' 97.249B' 73' A9"4F0"4277D' 49' 4.' :57="84C0D' .20' 90<' 9.7G 949A6' 0C:0575#' 20' .577:6' 73' 8=549A6' 28?49B' ;009' D0308.0D' "8B8;8"A6' 8.' .245.009' @0856' 73' 8B0' ;0=8C0' 67"0' C86.05' 73' .20' #7C89' <75"D#' 3.05' 28?49B' 09.050D' 9.47=2' 86' =79SA0575' 20' 8DD50660D' .7' .20' 098.0' "0..056' 49' <24=2' <4.27A.' <84.49B' 375' .20' D0=500' 73' .28.';7D@' 207' 866AC0D' .20'.4."06' 73' 60685' 679' 73' 9.7949A6' B589D679' 73' 0?05A6' 4A6' 0"4I' ABA6.A6' 57E=796A"' 89D' 49?06.0D' <4.2' .20' 54;A94.489' :7<05*U' .' .20' 68C0' .4C0' 20' 98C0D' 24C60"3' =796A#' 49' .20' :"8=0' 73' 8=549A6#' 0' 83.05<85D6' .77F' .20' 578D' .7' #7C0';A.' 79' 246' <8@.24.205' :8660D' .20' <49.05' 8.' 4=7C0D48#' 9' a >' 9 ' >,aN' "8B8;8"A6' <880 =796A"' 375' .20' 60=79D' .4C0' 8.' 4=7C0D48#' 9' 246' 8554?8#' 8.' #7C0' 20' B8?0' .2050' 67C0' C8B9444=09.' 6:0=.8="06' 89D' =8A60D' 8' .0C:"0' .7' ;0' ;A4".' 49' 2797A5' 73' 246' @5489' B7D#' # >> ' 46' .20' D8.0' 73' 246' .245D' =79G 6A"8.0#' 9' >>,' 20' <86' =796A"' 375' .20' 37A5.2' .4C0#' KA"48' 868' :05=04?49B' .28...20' C899056' 73' "8B8;8"A6' <050' D46:"08649B' .7' .20' #7C896' :056A8D0D' 24C' .7' 8D7:.' 246' =7A649' "0189D05' 0?05A6' 8;7?0' 98C0D#' 7' .246' "8B8;8"A6' =79609.0D' 89D' D064B98.0D' 24C'=796A"' <4.2' 24CG 60"3' 375' .20' 37"""7<49B' @085#' '6275.'.4C0' 83.05' 50 N=9.49B' 73' 246' =7C:"489=0' <4.2' 246' C7.2056L6' ABB06.479' 20' 67AB2.'.7' C8F0'8<8@' <4.2' 0?05A6' "0189D05' <2760' "430' 27<0?05' <86' :57.0=.0D' ;@' .20' ?4B4"89.' =850' 73' C68' 89D' 6.4"" ;0..05' D030AD0D';@' .20' 8330=.479' <24=2' .20' 67"G D4056';0B89'.7' 09.05.849' 375' 24C#' 9' ' '>>>' .20' :50.754896' 28?49B' D46=7?050D' .28.' "8B8;8"A6' <86' 3A""@';09.' 79' .20' D06.5A=.479' 73' 246' =7A649' 58460D' 8' .ACA"..' 89D' 50SA450D' .28.' "0189D05' <27' 28D';009' 62A.' A:' 49' .20' :8"8=0' 67C0' D8@6' 627A"D';0' 4CC0D48.0"@' 620<A'.7' .20C#' "8B8E 28"A6' @40"D49B' .7' 90=0664.@' 50:8450D' .7' .20' =8C:' 73' .20' :50.754896' 79' 8' =85' <4.2' .20' @7A.23A#' "0189D05#' 20' 901.' D8@' 86' "8B8E ;4DA6' 28D' B4?09' 75D056' .7' 85506.' .2760' <27' 28D' .8F09' 8' "08D49B' :85.' 49' .20' 496A550=.47985@ C7?0C09.' 73' .20' D8@';037500' .20' 506.' 73' .20' 67"D4056' .77F' 8D?89.8B0' 73' .28.' 7==86479' .7' B0.' 54D' 73' 8' :549=0' .20@' D0.06.0D' 89D' .20@' F4""0@' "8B8;8"A6' .7B0.205' <4.2' 246' C7.205' 760C486' 89D' 246' :549=4:8#' =7934D89.6#' 46' ;7D@' 83.05' 28?49B' ;009' D58BB0D' .257AB2' .20' =4.@' <86' .257<9' 49.7' .20' 4;A5#' 2A6' :054620D' 79' .20' H,.2' 73' 85=2' 790' 73' .20' C76.' =5A0"' DOG ;8A=20D' 89D' 628C0"066' <50.=206' .28.' 0?05' D46G B58=0D' 2AC894.@' 75' :7""A.0D' 8' .25790' 83.05' 8' 504B9' 73' .2500' @0856' 89D' 9490' C79.26' D4634BA50D' <4.2' 0?05@' 308.A50' 73' 24D07A6' =54C498"4.@' 89D' 01.58?8B89.' 37""@' 97.' 28?49B' 8..8490D' C750' .289' .20' 04B2.009.2' @085' 73' 246' 8B0*

& *

"8B8;8"A6' =0"0';58.0D' M75' 58.205' D060=58.0DN' 60?058#' 9A:.48"6#' 46' 3456.' <430' <86' KA"48' 75G 90"48' 8A"8' ;A.' 205' 20' 6779' D4?75=0D' 375' 67C0' 8""0B0D' :058798#';"0C462#' 0' 901.' 6.7"0' 8<8@' 357C' .20' 68=50D'=7""0B0' 73' 06.8"6' 89D' C8540D' SA 48' 0?058' <27C' 20' 8"67' 50:AD48.0D' 89D' 83.05<85D6'.77F' 205' 8B849#' 46' .245D' <430' <86' 9948' 8A6.498' <27C' 20' 375=4;"@':7660660D' 24C60"3' 73' M83.05':8A649B' 205' 2A6;89D' 749:794A6' 86676'.7' ;0' 6"849N' ;A.' <27C' 20' SA4=F"@' D46G C4660D' .7' 50EA94.0' 24C60"3' .7' SA4"48' 0?058#' 7C0' 73' 246' 8.49' =7496' 50:50609.' 24C' <4.2' SA4"48' 0?058' 89D' 246' C7.205' 760C486' 8"67' 8' D7A;.3A"' 790' <4.2' 9948' 8A6.498#' 20' =7496' 73' .246' 0C:0575' 850' 9AC057A6#' 46' B7"D' 89D' 3456.';5866' 850' 5850' 246' 64"?05' 89D' 60=79D' 89D' 6C8"";5866' 371' .20' C76.':85.'=7CC79*1' .@"01 # # ' ' &*1' 8"67' # ' &*1 8"67' ' # ' # &*

.' 46' 8' <75F' 73' 67C0' .8=.' 89D' D46=54C498.479' .7' D46.49BA462' .20' =7496' 73' "8B8;8"A6' 357C' .2760' 73' 858=8""8';7.2' 73' 27C' 866AC0D' .20' .4."0' 73' # #' 2760' 49D00D' <27' 850' =79?05689.' <4.2' =7496' 850' 098;"0D' 357C' .20' :0=A"485' =79A.04489=06' 73' 08=2' .7' 50=7B9460' "8B8;8"A6';@' 246' .24=F' "4:6' 89D' 858=8""8';@' ;46' 28562' 89D' 89B5@' 308.A506#' .' ;027?06' .20' .@57' 27<0?05' .7' "77F'=C' .20' 790' 289D' 375' .20' ' 73' "8B8;8"A6' <24"6.' 79' .20' 7.205' 289D' 20' <4""50C0C;05'.28.' .20' 6A598C0' & # ' ' 46' 8DD0D' .7' .20' .4."06' 73' ?858=8""8' 8"790*1 20' 37""7<49B' 50C85F6' 79' :749.6' 900D3A"' .7' ;0' 50G B85D0D' <4.2' 8' ?40<' .7' 86=05.849' .20' C0D8"6' 73' .20' .<7' :549=06' 850' =79D0960D' 357C' .2760' 73' .20' 8;"0' 8A.275' 73' ^ ' ' 0 ' 6 ' ' ,6.# "8B8;8"A6' 58460D' 8@.20' 4CG :0548" .25790' 8.' ,' @0856' 73' 8B0' :054620D' 8.' 04B2.009*1 >9D#' 9' 8..849498' 246' 343.2' 89D' "86.' 54;A94.489';7<05' 20' <86' 49?06.0D' <4.2' .20' =796A"8.0' 375' .20' 37A5.2'.4C0' ' <24"6.' ' 3' 8.' .20' .4C0' 73' '343.2' 54;A98.0' <86' 796A" 79"@' 375' .20' 3456.' .4C0*1 H5D#' 57C' .20' .245D' =796A"8.0' 73',) ' 246' C0D8"6' 28?0' 8"C76.' 8"<8@6' 8' ' 79' .20' 340"D' 73' .20' 50?0560#' 246' 3' =79 7490D' .7' ?8547A6'.@:06' 50?0560' D7A;."066' .7' 246' 38?7A54.0' D4?494.@' 898"8B7A6' <4.2' .20' F 83' 89D' 46' 8"67' 37A9D' 79' .20' C0D8"6' 73' 246' .2500' <4?06*1 .2' 89D' "86."@' 49' .20' =7C;498.479' 73' 98C06' 89D'.4."06' <0' 8B849'D46=?05' 67C0' 3A5.205' 49D4=8.4796#' 75' 018C:"0' M;A.' 79"@' 79' .20' ;5866' =7496N' .20' .4."06' # ' 8::085' 8.' .20' ;0B4994 9B' 73' .20' "0B09D' 73' .20' 7;?0560' 49' .20' =860' 73',) F3';A.' 97.' 49' .28.' 73' '

& ' ' & *

20' 37""7<49B' 850' .20' 58506.'.@:06' 73' 50?0560' /

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D50D' @0856# .' <86 ' 27<0?05 ' 79' .20' F97<9' "79B0G ?4.@' :3' .20' 0"0 : 289.' M0I=00D49B ' 86' "49@ ' SA7.49B' 546.7."0 ' 68@6 ' .28.' 73' 8""' 7.205' 894C8"6N ' .28.' .20@' <050' 0C : "7@0D' 49' .20' 3A9058"' :57=0664796' 73' 0C : 05756' 89D' 0C : 506606 ' 79' .20' 7=086479' 73' .2045' +

9' =7960=58.479' C0D8"6 ' .20' 0"0 : 289.' 8 : : 0856 ' 04.205' 649B"@ ' <4.2' 75' <4.27A.' .20' D54?05 ' 75' 86' ;4B.0' 89D' SA8D54B60 ' .2050' ;049B' :"8=0D' 79' .20' ?024="0' .7' <24=2' .20@' 850' 8..8=20D' .20' 4C8B0' 73' .20' D0=0860D' :056798B0"# 9' 8' "85B0' ;5866 ' 6.5A=F' ;@' 75D05' 73' .20' 098.0 ' 49' 2797A5' 73' 8A6.498' 6094754' =7960=58.479 ' 620' 46' 34BA50D' 64..49B' 79' 8' =897 : 40D' ;4B8' 73' 0"0 : 289.6 ' <4.2' .20' 8==7C : 89@49B' "0B09D' 73' &3 !

, + ' '75' 1 20'0"0G : 289.' 49' 85C7A5 ' 75' 67C0' D030964?0' =7?0549B' 73' 4579 ' 5060C ; "49B' 90.E<75F ' 0C : "7@0D' .7' : 57.0=.' .20C' M86' <0""' 86' 275606N ' 357C' .20' 6 : 0856' 89D' D85.6' 73' 89' 090C@' 49' ;8.."0"# 0 : 50609.8.4796' 73' .246' F49D' 8 : : 085' 79' =796A"85' C790@ 1 86' 375' 0I8C : "0 ' 8' D09854A6' 73' .20' =.0""4 M600' 60=4"48N ' 8' =749' 506.750D' ;@' 58 89"# 20@' 850' 8"67' 6009 ' 357C' .4C0' .7' .4C0 ' 49' .20' 4C : 0548"' 605406 ' 86' 79' B7"D' 73' 4.A6"# 20' 6A; 7490D' 09B58?49B' 46' 357C' 8' =7960=58.479' 3456.4 ; 5866' 73' 8A6.498' 9.79494/

050' .20' 60D09.' 6.8.A0' 73' .20' D0=0860D' 0CG : 5066 ' 27"D49B' .20' 6=0 : .5AC' 49' 205' "03.' 289D ' 89D' 8' ;589=2' 49' 205' 54B2. ' 46' :"8=0D ' 49' .7F09' 73' D0434=8.479 ' 79' 8' 37A5E<200"0D' =85' M.20' % ' D58<9' ;@' .<7' 0"0 : 289.6 ' <2760' ;7D406' 850' "754=8.0D ' 89D' <2760' 90=F6' 850' C7A9.0D' 08=2' ;@' 4.6' =79DA=.75"# 20' 6' " ' 79' .20' 0105BA0 ' 6.8C : 6' .246' 3490' 50?0560' <4.2' .20' 4C : 5066' 73' 098.7548"' 8A.2754.@*

, + '0 1 '3456.' ;5866' 73' AG BA6.A6 ' =7490D' 49' : A56A89=0' 73' 8' D0=500' 73' .20' 098.0 ' 83.05' 246' D08.2 ' 50 : 50609.6' 24C' 49' .20' BA460' 73' 8' D4?494.@ ' 608.0D' 79' .20' .20968' 73' =79G 60=58.479 ' D58<9' ;@' 37A5' 0"0 : 289.6 ' 79' 08=2' 73' <24=2' 64.6' 8' D54?05* 1 28.' ABA6.A6' <86' 27G 97A50D ' 83.05' 246' D0=0860 ' <4.2' .20' 0I24 ; 4.479' 73' 6A=2' 0 ' <0' 28?0' .20' .06.4C79@' 73' A0G .794A6' 89D' 479*

9' 8' "85B0' ;5866' 73' 4.A6 ' 6.5A=F' 49' 2797A5' 73' 246' 38.205L6' =7960=58.479' M600' :" HH N ' 86' <0""' 86' .20' <0""EF97<9' =749' 73' ABA6.A6 ' 357C' .20' 50?0560' 73' <24=2' .20' .@ : :' <86' ;7557<0D ' $ ' 0"0 : 289.6' D58<' .20' ' 73' .20' D04340D' :549=0 ' ; A.' 49' 904.205' 496.89=0' 850' .20' ;7D406' 73' .2760' 894C8"6' "754=8.0D"# .' 46' 97.' A9=7CC79' .7' 349D' .20C' 285906660D' <4.2' .20' 7598C09.8"' :897 : "@' 49' <24=2' .20@' ;750' 8' : 85.' 8.' .20' : A ; "4=' 620<6 ' 79 =7496' 73' 60?058"' 0C : 05756 ' 357C' _7C4.489' .7' &75D489A6' 496* 1 00' ; 3

, + ' + '0 1 9' 8'"85B0' ;5866' ; 08549B' 72' 4.6' 7 ; ?0560' " " ! ' ?8"# & * ' =76"# + " ' C" ' 89D' .20' "8AG 50""0D' 208D' 73' 7C4.489 ' ; A.' <4.2' 97' 7.205' "0B09D' 73' 50?0560' .289' .20' =9A3I5' ' <0' 600' 8' .54AC : 28"' 85=2 ' 6A5C7A9.0D' ;@' .<7' =856 ' .7' 08=2' 73' <24=2' 37A5' 0"0 : 289.6' 850' 285G 90660D"# 9' 08=2' =85' 6.89D6' 8' .7B8.0D' 34BA50 ' 27"D49B' 8' <24 : ' 75' ; 589=2*

20' 8 ; 7?0' 89D' 7.205' =7496' 8..06. ' .28.' .54AC : 28"' 85=206 ' 8D7590D' <4.2' .<7' SA8D54B80' 73' 0"0 : 289.6 ' <050' 050=.0D' ;@' 7C4.489 ' 49' <24=2' <050' : "8=0D' MB7"D09' 75' ; 5866' B4".N 6.8.A06' 73' .28.' ?849EB"7547A6' .@589.* 1 546.89' 286' <0""' 4""A6G .58.0D' .20' 50C85F8 ; "0' 6A ; 0=.' 73' .246' :40=0' 49' .20' 37""7<49B' 7 ; 6057?8.4796' / 1

246' .54AC : 28"' 85=2' <86' 58460D' 49' 2797A5' 73' 7C4.489' DA549B' .20' "86.' @085' 73' 246' 504B9 ' 89D' A9D05' 246' "86.' =7496"8.0 ' 98C0"@' .20' , .2' ' 9 ' a N"# 75' F0' <86' 67' C8"4=47A6' 89D' 67' =7?0.7A6' 73' 897.205L6' B' j Q@' .28.' 20' =8A60D' 24CG 60"3' .7' ;0' 0"0=.0D' 6A=2' 8' 9AC ; 05' 73' .4C06' =796A" ' 49' 75D05' .7' C797 : 7"4\0' .20' 8A.2754.@' 73' .28.' 7334=0' M : 7A5' 09' 7==9 : 05W.7A 7A56' "8' SA8"4.tN"# .' 46' .246' <24=2' A679496' 503056' .7 ' 49' =096A549B' 246' 58 : 8=4.@ ' 246' 8C ; 4.479 ' 89D' 246' 09?47A6' C8"4B94.@ ' <24"6.' : 5797A9=49B' 24C60"3' .20' : 890G B@54=' 73' &58.489 ' 49' .20' : 50609=0' 73' .28.' 0CG : 0575 ' <27C' 20' <86' .289F49B' 375' : 57C7.49B' 24C' .7' .20' 796A"8.0 1 T' =46' 49SA8C' M68@6' 20N 60 : .0C' 0.' D0=059' 7C4.4894 796A"8.A6 ' SA76' 4"48' 49?4D48' 8".0576' : 57?0209D4 ' =7A.49A89D7' =79E' 605?4.! 4.8' 0 A6' 8?4D4.8.0' D054676 ' A.' 27=' 0AC' : 8B498' 386.75AC' 6A75AC ' 4C7' 386.4D475AC ' 30=054.' 4967"09.0C ' 90=' : 7.A054.' : 5 r 6.850' 30"4=0C*U' 00' 8"67' .20' : 70C' <24=2' .8.4A6' 286' <54..09' 506 : 0=.G 49B' .20' 60?09.009.2' 796A"624 :' 73' 7C4.489"# 6' .7' .20' .54AC : 28"' 85=2' 2050' 50 : 50609.0D ' 67' 6A : 05 ; "@' =285B0D' <4.2' .<7' =856' D58<9' ;@' 0"0G : 289.6 ' 4.' ="085"@' 50"8.06' .7' .20' .<7' ?4=.75406' <24=2' 20' <4620D' .7' 28?0' =50D4.' 375' 28?49B' 8=240?0D' 7?05' .20' &8A"6 ' &05C896 ' 85C8.4896 ' 8=4896 ' 89D' %A8D4 ' 89D' 375' <24=2' 20' .54AC : 20D"# 246' 85=2 ' 050=.0D' .7' : 05 : 0.A8.0' .20' C0C75@' 73' .2760' 8""0B0D' 38=.6 ' 286' ;009' 2797A50D' <4.2' 89' 8""A6479' ;@' 85.48"' M600' "4 ; "# ?444"# , + ' [*N 57C' .20' : 70.L6' ?05606' 4.' <7A"D' 8 : : 085' .28.' .246' .54AC : 28"' B8.0 ' 0954=20D' <4.2' .<7' C8B9434=09.' S98D54B r ' M 4=' B0C494 =A55A6' 9AC0589.' "0E' : 289.8N' <86' =796.5A=.0D' 49' 8' : "8=0 ' <24=2' 605?0D' 86' 8' + ' .7' .0C : "06' D0D4=8.0D' .7' ! ' 8 ' 49' 38?7A5' 73' 06 : 86489 ' 73' 4.A6 ' 89D' 73

7C4.489' 89D' <24=2' <86' .20' :"8=0' M86' 546.89' 6A: : 7606N' <2050' .20' 098.0' 89D' .20' : 07 : "0' <09.' .7' 50=04?0' 89D' 68"A..0' .20' 0C : 0575' "86.' 98C0D ' 79' 246' 50.A59' 357C' 246' 0I : 0D4.4796* 1 00' ' ' ; 0 ' #4#' : #HHH* 9' ' + ' # 44# $ ' I4444# .20' : 75.8"# 79' .20' 6ACC4.' 73' <24=2' .20' . <7' SA8D54B66' 73' 0"0 : 289.6' 6.89D ' 286' 8' .405' 73' =7"9C96' <4.2' 09.8 ; "8.A50') ' .20' 85=2E<8@6* ' ' ' 1 ' =4.@' 73' B508.' 4CG : 75.89=0 ' DA549B' .20' 085"@' 0C : 450 ' 64.A8.0' 79' .20' ; 89F6' 73' .20' - ' M&A8D4898N' 49' 46 : 8948' A64.8948' M : 89462' 6.50C8D958N# 7C0' 50"4=6' 73'4.' 50C849' .7' .246' D8@' 89D' ' 46' 97<' .20' 98C0' 73' .20' : "8=0# 9' .20' @085' 73' #7C0' >a' ' □ ' >[N' ABA6.A6' 28?49B' =79="AD0D' .20' 89.8 ; 5489' <85' : "8=0D' .2050' 86' =7"7946.6' ; @' <8@' 73' 50<85D ' =05.849' 67"D4056' <2760' .05C' 73' 605?4=0' 28D' 0I : 450D' " % ' 89D' <27' 8==75DG 49B"@' =8""0D' .20' 90<' 60.."0C09.' & ' .' ' 89D' ; @' 246' : 05C46647 9# ' 75' # .' ' *N' 6.5A=F' 9ACO57A6' =7496' 49' 2797A5' 73' .2045' 37A9D05* 1 20' , ' 8"67' =79G 60=58.0D' 8' .0C : "0' .7' .20' .0594.@' 73' ABA6.A6' 9 d ! ' & A' ' 83.05' <2760' D08.2' .20@' : 84D' .20' 68C0' C790.8"# D46.49=.4796' .7' KA"48"# 9D' ; 049B' ?05@' D06457A6' .7' 60=A50' 375' .2045' =4.@' 86' .20' 608.' 73' .20' A64.8A489' "0B8.47A' .20' : 8.5798B0' 73' 246' 6A==06675' 4 ; 054A6' .20@' D0D4G =8.0D' =7496' .7' 24C' 8"67"# .' <86' 375' .2060' 508G 6796' .28.' 86' 8' 90<' .7<9' 89D' ; A4".' ; @' #7C89' ?0.05896' 8' 50 : 50609.8.479' 73' 4.6' 375.4340D' B8.0' 89D' CA58"# 09="76A50' <86' 6.5A=F' 79' .20' =7496' 73' .246' =7"798#' 89D' .20' 98C0' 73' ! ' M75' ! ! A' 496=54 ; 0D' 7?05' 4.6' B8.0<8@# 75' <86' .246' D46.49=.4?0' .7F09' B : 9349D0D' .7' =7"7948"# ; 5866' M86' =# # ' 75' ' & ' ! A' ' ; A.' .20' 98C0' 73' ABA6.A6' <86' 8"67' 4D09.4340D' <4.2' .20' 37A9D8.479' 73' 5Bp7' 790' 73' 246' 7<9' C790@056' 79' D098544' <24=2' ; 085' 8' 64C4"85' .@ : 0' 89D' 496=54 : .479# 75' D06=54 : .479' 89D' : "8.06' 73' .20' =7"7948"# C49.8B06' 49' 3456.' 89D' 60=79D' ; 5866' .20' 508D05' 46' 5030550D' .7' 5# F05C89L6' ' ' $' ' ' ' ' : # , , ' : 4# 4# 76# ' 89D' [# 20' 37 7<49B' =A.' 46' 357C' 64"?05' 73' .20' 854648' B096/1

' 75' ' @5440' ' ' :' 9085' .20' 50B479' 73' 7A9.' 0 ; 8979' 64.A8.0' 79' .20' 579.06' 89D' 97<' =8""0D' ; ' .' <86' .20' 98.4?0' : "8=0' 73' KA"48' 7C98' <430' 73' 0?05A6' 89D' C7.205' 73' 858=8""B# 20' "8..05' 0C : 0575' =7930550D' A : 79' 4.' .20' 589F' 73' 8' #7C89' =7"79@# C068' =79.8490D' 8' .0C : "0' 73' .20' A9' 49' <24=2' "8B8 ; 8"A6' 7334=48.0D' 86' 8' : 5406.' ; 03750' 20' <86' C8D0' 0C : 0575# 20' =7496' 73' .246' =4.@' 850' 4C : 0548"# 49' ; 5866' M0I=0 : .' 790' 6C8""# C0D8' 479' 49' + % 20' "0B09D6' 850' 0I="A64?0"@' 4 ?' 357C' 7C98' .7' "0I89D05' 0?05A6' 49="AD49B' .20' A94SA0' =749' 73' 9" : 4=4A6' 9.7949A6' M 89494' F ++' : # 0' , N# 20' .@ : 06' 73' 50?0560' 85=' C76."@' 1 08D' 73' .20' A9' 8B"0' 79' 8' =790E375C0D' 6.790' .A550.0D' <7C89' ' ; 864"4=p' 89D' .0C : "06# 1 47990.' ?# >> ' 89D' F ++' ?444# , [* " # ' 8558=7909646' M 46 : 894pN' ' + ' 97<' C : A5486* 1 20' =7496' 73' .246' .7<9' 850' 4 ?' 89.797C06' 49' 64"?05' 89D' ; 5866' <4.2' 0".4 ; 05489' 89D' ' 496=54 : .4796# 20' 7 ; G ?05606' 28?0' 375' .20' C76.' : 85.' 8' B8"08.0D' 208D' 89D' .20' 8.49' "0B09D6' 73' 50?0560' 850' # ' 75' 4' <4.2' .20' .@ : 0' 73' 8' 0B86A6' 67C0G .4C06' .20' 208D' 73' 4905?8' 8' "479' <8"F49B' 8' 24 : : 7=8C : A6' 8' ; A ' 8' ; A6.' 73' 4898* 1F ' 47990.' F ++' 4# > ' 600' 8"67' F05C89' ' ' $' ; + ' : # * 7' 4C : 0548"# 75' =7"7948"# C790@' <86' 6.5A=F' ; @' .246' : 89462' CA94=4 : 4AC* ' M 4=4"4334N' 7 + ' 97<' 86.57' &47?8994* 1 ' ?05@' 89=409.' =4.@' <2050' 0506' <86' <75624 : : 0D' 49' 8' C8B9434=09.' .0C : "0* 1' 20' =7496' 73' .246' : "8=0' 850' 8A.797C7A6' 8"#' ; 5866' M<4.2' 790' 0I=0 : .479' A94SA0' 49' 64"?05N 1' 8' 30<' 8.49' ; A.' : 2403"@' &500F' "0B09D6' .20' .@ : 06' 850 1 57605 : 490' 208D' 73' 0506' 208D' 73' : 7"7# 2050' 850' 97' 4C : 0548"# =7496# 9' 8' "85B0' ; 5866' <24=2' 46' ="8660D' 49' ' , ' 6 ' <4.2' =7496' 73' .20' 06.48' B096' 46' 8' ?04"0D' 208D' 73' 0506' <4.2' 8' .75=2' ; 03750' 4.' 8"" AD49B' .7' .20' .75=206' <4.2' <24=2' 86' .20' : 70.6' 304B90D' .28.' B7DD066' 67AB2.' 205' "76.' D8AB2.05' 79' 7A9.' .98' 89D' 79' .20' 50?0560' "A.7' .20' 58?4620 5' 46' =855@49B' 8<8@' .20' ?45B49' 49' 8' SA8D54B8# 20' 7 ; ?0560' "0B09D' 46' " ' 89D' o ' ' M AAC?454N# 20' "0B09D' 73' 50?0560' 46' # MCA94=4 : 4AC' 0998N# 2050' 46' 8"67' 8' C4DD"0' ; 5866' ; 08549B' .20' 98C06' 73' .20' 68C0' DAAC?456' <4.2' .20' .@ : 0' 73' 09A6# 9D' 8' .245D' 8A.797C7A6' ; 5866' <4.2' ' - ' 89D' .20' 208D' 73' 0506' 79' 4.6' 7 ; ?0560' 89D' # <4.2' .<7' 30C8"0' 34BA506' 49' 8' SA8D54B8' 79' .20' 50?0560' 46' 04.0D' ; @ 47990.' "F ++' 4# H N' 357C' # 85<77D' + + ' ') ' ' : # [* &# ' : 4B58 : 2 1 96=54 : .479* ' B096 1 ' 97 ; "0' 38C4"@' ; A.' 97.' CA=2' F97<9# 4=057' =8" ; ' : : 496' 8' C89' 73' 246' 75D05# .' 286' .<7' ?8540.406' .20' A9D05C09.4790D' =749' 46' .20' 58506./1 ' , 4 ' # # 05=A"06' 6.89D49B' <4.2' 3579.' 38=0' 98F0D' 89D' 49' 50 : 760' <4.2' ="A ; ' 89D' "479L6' 6F49* 1 6 1 %# h8W' 2 # 0C8"0' 208D' =7?050D' <4.2' .20' 0"0 : 289.L6' 6F49' A9D05908.2' 4.' 8' : "7AB2' ; 03750' 4.' 89' 085 73' =7C' M : 8B0' , [, N*EEEEET 57C' .246' =749' <0 "0859' .28.' : : 4A6' <86' .20' 40A.0989.' 73' =4 : 47

,& " ' - + + ' 1 850' 208D' 73' ABA6G .A6* 1 8 1 : # ' ' &# ' &8.0' 73' .20' 375.4340D' =4.@' 73' 054D8' 8 ; 7?0' <24=2' 46' <54..09' 246' D09854A6' 6.5A=F' ; @' A ; "4A6' 85464A6' ' + + ' 73' ABA6.A6' 8 AD06' .7' .20' : 89462' =8C : 84B9' 49' <24=2' .28.' 7334=05' DOG 308.0D' .20' 6.A506' 89D' =8 : .A50D' 357C' .20C' ."40' =4.@' 73' 89=48# 246' "0D' .7' .20' 37A9D8.479' 73' .20' =4.@' 73', ' <24=2' 83.05<85D6' ; 0=8C0' .20' =8 : 4.8" 73' A64.8948# 20' C790.8"# 466A06' 73' .246' =7"79@' D7' 97.' 8 : : 085' .7' 28?0' 0I.09D0D' ; 0@79D' 4 ; 054A6*

H * 1 % *

49' .20' 39=89' <85' 8B8496.' KA"486' 60685E' 89D' 28D' .20' 7334=0' 73' =74949B' ' 375'.20' : A5 : 7606' 73' 428.' <85' 86' 46' =79345C0D' ;@' .20' ≠ ≠ ! ' 75' ! ' ' ' A9"066' 4.' ;0' C750' =7550=."@' 49.05 : 50.0D' H ' ' ' 86' 79' =7496' 73' 09.A"96' 49' 7590"48' B096/ #≠ +≠ *U' 20' ;5866' =7496' 73'.246' 38C4"@' 850' J<' 75' : 85.6' 73' .20'

00' 89' 09B58?49B' 73' .246' =749' 49605.0D' 8C79B6.' .20' 0.0""4' 73'.20' 8=4"48' B096' : ≠ , [, ' 54B2.' 289D' =7"AC9*

* 1 A ; 60SA09."@' .7' .20' 3456.' <85' <4.2' 8994 ; 8" ' .20' #7C89' : 79.4336' ; 049B' 7?05G <20"C0D' <4.2' .20' CA".4.AD0' 73' 68=5434=06' 89D' 73' =050C79406' 8..09D89.' .205079' <050' 8""7<0D' 49' .20' @085' 73'.20' =4.@' [[' 9$ ' " ' , a N ' .7' 8 : : 749.' .2500' C09' .7' <27C' <86' B4?09' .20' 98C0' W73' ' ! + ' 2060' : 5064D0D' 86' : 5406.6' 8.' .20' : A ; "4=' 3086.6' <24=2' .77F' : "8=0' 8.' .20' =79G ="A6479' 73' 08=2' 68=5434=0' 733050D' .7' KA : 4.05' 89D' 7.2056' 73' .2045' D04.406' <27C' .20@E : 5730660D' .7' : 57 : 4.48.0' ;@' : "8=49B' .2045' 6.8.A06' "84D' 79' =7A=206' M209=0' =8""0D' 7' 49' .20' .0C : "06' 89D' 49?4.49B' .20C' .7' : 85.8F0' 73' 8' ; 89SA0.' : 50 : 850D' <4.2' 8"" : 7664 ; "0' C8B9434=09=0' 89D' 67C : .A7A690 ' 89D' 43' 3' <050' 97.' 8 ; "0' .7' 08.' D549F' 89D' ;0' C055@' .2050' <050' D7A ; ."066' ' BA06.6' : 50609.' <27' =7A"D" A""8' 8ABG C09.0D' .20' 9AC ; 05' 73' .2060' C4946.056' 73' .20' 68=50D' ; 89SA0.6' 49' 2797A5' 73' .20' B7D6' .7' 60?09" KA"4A6' 60685' 8DD0D' .2500' C750' ; A.' 83.05' 246' .4C0' .20' 9AC ; 05' 8 : : 0856' 8B849' .7' 28?0' ; 009' "4C4.0D' .7' 60?09" 20' 6A ; 7490D' <77DE=A.' 46' 384.23A""@' 010=A.0D' 357C' 89' 01.50C0"@' <0""E : 50G 605?0D' D09854A6' 49' .20' 54.462' A60AC' .20' 50G ?0560' .@ : 0' 73' <24=2' 50 : 50609.6' 89' , + ' : 50G : 8549B' 8' "0=.46.0C4AC' 375' KA : 4.05' = 79375C8 ; "@' .7' =A6.7C' 49' .20' : A"AC' K7"?46*

= ' ≠ ' a≠ 850' C8"0' 208D' .7' .20' 54B2.' ; 0.<009' 8' ?0I "AC' 496=54 ; 0D' 46' 89D' 8' ; 785*1 6 1 =≠ " o ' ! # ' ' 6 ' ' .8 ; "0' 75' "0=.46.0C4AC' <4.2' 8' 57 ; 0D' 89D' ?04"0D' 34BA50' ; 0249D' 4.≠ 20' 496=54 : .479' 46' ' " o ' c1 ' 1 2 ' 2 (1 ' 9' 08=2' 64D0' 46' 8' .57 : 2@' ' ; 0"7<' " o ' ' 1 2 1 75' 89' 0I : "898.479' 73' .246' =749' 600' : ≠ >>>*

20' : A"7906' <050' 901.' .7' .20' ABA56' 49' D4B94.@' 89D' <050' : 54?4"0B0D' .7' <085' .20' .7B8' : 560.0I.8≠ 20@ 8"67' 375C0D' 8' =7""0B0' 89D' <050' 790' 73' .20' 37A5' B508.' 68=05D7.8" =75 : 758.4796' 8.' #7C0' .20' 79.{34=06' ABA506' 89D' %A49D0E' =0C?454' ; 049B' .20' 7.205' .2500*

%≠ SA06.546* 1 %≠ ≠ , 0 ' ' ' 1 %≠ # ≠ , 0 $ ' 1 8

% ≠ ' 27560C89* 1 @ : 4=8""@' 6 : 08FG 49B' 8' C89' 79' 27560 ; 8=F' 8 : : 0856' 79' C89@' =79G 6A"85' =7496' M600' A""8' : ≠ > N ' 89D' 46' 73' 6.4"" C750' 350SA09.' 7==A5509=0' 49' .20' 4C : 0548" 605406≠ + ' , 0 F3' .20' 0SA06.5489' 34BA50' 73' .20

% #' # *

0C : 0575' 04.205' 49' .20' B85 ; ' 73' 08=0' 75' 49' C4"4.85@' 28 ; 4"4C09.6' <4.2' 54B2.' 289D' 58460D' C7?49B' 8.' 8 6"7<' : 8=0' ' 75' B8""7 : 49B' <4.2' 6 : 085' 8.' .20' =285B0' ' 75' 49' .20' 8..4.AD0' 73' 2A5"49B' 246' 8?0"49' 8.' 8' ; 85 ; 85489' 370' <27' 46' D7<9' 79' 790' F900' 49' 8' D030964?0' : 76.A50' 75' 46' 38""09' : 576.58.0' ; 03750' 24C' 8 : : 0856' 79' =7496' 49' 08=2' C0.8"' 357C' ABA6.A6' .7' 057' ' .209=0' .7' 7C4.489' 58 89' 8D5489' ≠ A50"4A6' 7CC7DA6' 0?05A6' 858=8""8' =≠ = 1 00' ' 89D ' &≠ M : ≠ " N 1 #"' & * # M : *H , , N 1 #* M : : ≠ H , EH , [N' 1' + ' &≠ " 1' %1 # ' &≠ MD4..7N 1 # ' K M : ≠ >, N 1 # E' ' &&≠ M : ≠ [H*N

, 0 ' 34B.4506' 73' 86.75' 89D' 7""AI' 850' 6009' 79' .20' C76.' 89=409.' =7496' 73' .20' ="48' 9.06.48' .4"48' M : ≠ aHN' A : 409948' 7C4.48' 758.48' M 09854A6' : ≠ H , N' .48' KA948' A=50E .48' 85=48' 49A=48' "8A.48' %A49=.48' =54E ; 7948' 0C : 57948' 89D' 0509.48' 38C4"406* 1 00' .

% ' #' # *1 20' SA06.5489' 5D05' 790' 73' .20' D0B5006' 73' 589F' 75' 06.8.06' 73' #7C0≠ .' D054?0D' 4.6' 98C0' 8.' 89' 085"@' : 0547D' 73' .20' =7CC79<08".2' 357C' .20' "0B47985@' , + ' : ' 89D' ; 0=8C0' 6A ; 60SA09."@' .20' C4DD"0' B58D0' ; 0.<009' .20' 098.0' 89D' .20' : 07 : "0≠ 20@ <050' =8""0D' 7 F3 ; 0=8A60' .28.' <75D' <86' A60D' ; @' .20' #7C896' 49' 6 : 08F49B' 73' .2045' 67"D4056' =7""0=.4?0"@' 82D' + + ' 7 F3 ; 0=8A60' F49B' 05?4A6' <209' 20' D4?4D0D' .20' 09.450' : 07 : "0' 49.7' 64I' ="86606' 0957""0D' 8==75D49B' .7' 4?@' T' .<0"?0' =09.A5406' 73' 0 F3 =27609' 357C' .20' 3456.' C09' 73' .20' 98.479' 75' 86' 479@64A6' 73' 8"4=859866A6' 6.8.06' T 20' C8D0' 8' 60"0=.479' 73' =0 = ' 357C' 8C79B6.' .2760' =4.4\096' <27' <050' <08".2406.' 89D' 73' 97 ; "0' ; 45.2*L 1 9D' .246' 7 ; 605?06' =F20" M600' 246' . ' ' # + ' - %3 8==7A9.6' 375' .20' =0 = ' ; 049B' 67' 350SA09."@' 6.@"0D' + ' F3' + + F3' 75' + '7 ' ' 50G C85F8 ; "0' 018C : "0' 73' .246' 7==A56' 49' .20' 6 : 00=2' <24=2' 4?@' 286' : A.' 49.7' .20' C7A.2' 73' 0560A6' +49B' 73' .20' 8=0D7948 96' <27C' 20' 8DD506606' 83.05' .20' D0308.' 73' .20' #7C89' =8?8"5@' 49' .2060' <75D6 1 T' 7A' 28?0' .A590D' .7' 3"4B2.' .20' C750' 4C : 75.89.' : 85.' 73' @7A5' 090C406L 375=06' .20' #7G C89' =8?8"5@' 49' <24=2' .20@' ; 786.0D' .20C60"?06' 49?49=4 ; "0≠ 75' <4.2' .20C' .20' =0 = ' 850' .2045' + + ' 7 ' : <4.2' .20C' .20' =0 = ' 850' .20' 9A5605@' 73' .2045' 098.0' 357C' .20C' 850' =27609' 49.7' .20' 589F6' 73' .20' + F3' .*40' C09' <27C' .20@' =508.0' =796A"6' 89D' 0C : 05756' M4CE' : 058.7506*NU' 9D' CA=2' 085"405' .20' 68C0' 8A.275' 286' 684D' 73' ≠ 5A.A6 1 T' 0' 58460D' .7' .20' 9ACG ; 05' 73' .2500' 2A9D50D' .20' 589F6' 73' .20' + F3' M.24990D' ; @' .20' 866866498.4796' 73' 85SA494A6' AE' : 05 ; A6N' ; @' 0"0=.49B' 49.7' .20C' .20' + ' 73' .20' SA06.5489' 5D05*U' (4.2' : 57 : 540.@' .20503750' C4B2.' .20' =0 = ' ; 0' =8""0D' .20' + ' 73' .20' 09.450' 7 ' 73' #7C0' ' 89D' ' <4.27A.' D7A ; .' .20@' 7 ; .8490D' ; @' .2045' 6A : 054754.@' 73' 375.A90' 89D' ; 45.2' ' .20' : 50E0C4909=0' 8C79B' .20' : 07 : "0' 8"79B' <4.2' <27C' .20@' <050' 6.4"" 50=F790D' .2050' ; 049B' 86' @0.' 97' SA06.5489' 5D05' 496.4.A.0D≠ 20' =0 = ' 83.05<85D6' 50=04?0D' 89' 4C : 75.89.' 8==06647 9' 73' 8A.2754.@' 89D' 2797A5' 98C0"@

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IYY' 6 V* " ! ' & * ! "

=79=4"08;"0' <4.2' .20' :57B58CC0' 73' .20' 57A.0 ' <24=2' 20' 24C60"3' D50<' A: ' :50?47A6"@' .7' =7CO' C09=49B' 246' .7A5' 73' .20' :57?49=06' 73' .20' 0C:450# A.' .28.' 8D5489' ?464.0D' KAD r 8' 49' .20' @085' H' M # # ,H N' 89D' .209=0' :8660D' 49.7' B@:.' 46' :57?0D' 357C' =7496* 1 00' * ' ' ?4# a *

#030509=0' C8@' 2050' ;0' 8D?89.8B07A6"@' 28D' .7' .20' =7CC09.6' 73' ; ; t' &50: : 7 ' 79' .20' , ' - ' 73' 8D5489 1 8' =74A' <24=2' : 749.6' .7' KAD r 8 ' 86' .20' 6.8.479' 73' 8' #7C89' 85C@' A9D05 =45=AC6.89=06' .20' C76.' =8"8C4.7A6' .7' .28.' A9j' 28: :@' =7A9.5@* 1 3 ' V ; ' :# , >' 0.' 60S**

+ # ' & # ' : *1 20' 0C:0G 575' "8A50""0D' 89D' :8"AD8.0D' 79' 27560;8=F' 8DG D506649B' .20' &05C894=' 85C@' 50:50609.0D' ;@' .2500' C4"4.85@' 34BA506' .20' 3750C76.' 73' <24=2' 27"D6' 8' 6.833' 6A5C7A9.0D' ;@ 8' 6A:05;' 08B"0' 6.89DG 49B' 79' 8' "8;85AC' .20' 90I.' 67"D405' 27"D6' 8' 64CG :"0' 0964B9' .20' 249DC76.' =855406' 8' 6.89D85D' 6A5G C7A9.0D' ;@' 8' 54B2:' 289D* 1 M 00' .20' 85.4="0' * + ' 93456.;5866*

20' #7C89' "0B47985406' 73' .20' :57?49=0' 49' C0C75@' 73' 8D5489L6' ?464.' .7' <24=2' .24 ' ;08AG .43A"#=749' <86 6.5A=F' =8C0' A9D05' 246' D46=4:"49G 85489' 496:0=.479' 4CC0D48.0"@' 83.05' 246' ?464.' .7' &8A" ' 89D' ;03750' 20' <09.' 49.7' 54.849' 4.' 46' ;0G "40?0D' 8;7A.' >' 9 ' ' ,,aN# !

T' .205' .289' .20' 98C0' 73' &05C89@' M7;605?06' .20' ;;t' &50: : 7 ' 8D?05.49B' .7' .20' 8;7?0' "0B09DN ' :85.489' 3A5946206' A6' <4.2' 97' B07B58:24=8" 49G D4=8.4796# 46' D8.8' 850' 49D0D0' ?05@' ?8BA0' 89D' 098;"0' A6' .7' B849' .77' "4..."0' 8=SA849.89=0' <4.2' .20' 0I.09.' 73' .20' D46.54=.6' 7==A:40D' ;@' .20' #7G C896' 49' .28.' =7A9.5@' 75' <4.2' .20' 6.8.0' 73' D4?056' .54;06' 73' :07:"0' 04.205' 49' 6A; 0=.479' 8"G "489=0' 75' 276.4"4.@' .28.' <7A"D' A6.43@' A6' .7' 28\85D' 86' 8.' 8"" :57;8;"0' 89@' =79 0=.A506' 79' .20' 6A; 0=.' 73' .2760' :75.4796' 73' &05C89@' <24=2' 8D5489' 28D' .209' .7' ?464.# 20' 38=.' 27<0?05' <24=2' :85.489' 8""AD06' .7' 73' 8' F49B' B4?09' ;@' 8D5489' .7' .20' &05C896 1 4 ' ' ' 1 B706' 8.' "086.' .7' :57?0' .28.' A9D05' 246' 504B9' #7C0' 6.4"" 09 7@0D' 67C0' =7964D058.479' 8C79B6.' .28.' :07:"0# 20' =7496' 6.5A=F' .7' =79G 60=58.0' .20' 50C0C;589=0' 73' .246' :85.' 73' 8G D5489L6' .58?0"6' 28?0' 8"" 8' C4"4.85@' =2858=.05* 1 ' 9' 9790' 73' .20' .@:06' D7' <0' 600' .20' 6@C;7"4649B' 73' 8' 28:: @' :57?49=0' =0"0;58.49B' ;@' 68=5434=06' .20' 8D?09.' 73' .20' 67?0504B9' 89D' 50=7B94\49B' 24C' 86' .20' 506.7505' 73' 4.6' :576:054.@# 20' "0B09D6' ı' & ' 75' * ! * ı' & ' 850' 97.' 37A9D' 2050# &05C89@' 8:: 0856' 79' 4.6' =7496' 49' 64"?05' <4.2' 4.6' 98C0' 8"790' 375' "0B09D*

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& # ' ' ;A.' 620' - ' :05679430D' ;@' 8' 34BA50' 6.89D49B' 85C0D' <4.2' .20' "8900' 89D' 506.49B' 79' 8' ;A=F"05# 9' 7.2056' 49' "85B0' ;5866' <0' 508D' + # ' & # 4=?6' 89D' (' 600' .20' 0CG :0575' 79' 27560;8=F' 28589BA49B' 67"D4056*U' :# * 6' :85.489' 49' 246' 97.4=0' 73' 8D5489' 49' &05G C89@' 286' 8""AD0D' <4.2' C7.0' .289' A6A8" 8CNN"4E .AD0' 73' D0.84"6' .7' .20' 8..09.4?0' =850' 73' .28.' :549=0' 375' C4"4.85@' D46=4:"490' .20' ;;t' 49B094G 7A6"@' 8667=48.06' .20' <0""EF97<9' "0B09D' 89D' .@:0' 73' ' &# M:#}HHN' <4.2' .20' :57;8;"0' .27AB2' A9=05.849' 0?09.6' =7990=.0D' <4.2' .246' 0:7=28' 73' .20' 0C:0575L6' 246.75@* 1 00' :# * + # ' # # # *1 ' 85B0' ;5866' 73' 8D5489* 1 T 20' 0C:0575' 79' 27560;8=F' :8"AD8.0D' 28589BA06' .2500' 67"D4056' ;08549B' C4"4.85@' 0964B96# 246' D0?4=0' 8""AD06' .7' 8' 50?40<' 73' .20' 85C@' 6.8.4790D' 49' 8A50G .8948' 375' 8D5489' 68B8=47A6"@' C849.8490D' :08=0' ;@' ;049B' 8"<8@6' :50:850D' 375' <85*U 1 8:.849' C@.2' . + ' ' :# , * 8D5489L6' ?464.' .7' .20' #7C89' C4"4.85@' 375=06' 7==A:@49B' .20' 8A50.89489' 50B479' 73' 354=8' .77F' :"8=0' 83.05' 246' 67 7A59' 49' B@:.' 89D' 4CG C0D48.0"@' :5475' .7' 246' B749B' 49.7' @548' =7960G SA09."@' ;0.<009' H' 9 ' ' ,H N' 89D' ' 9 ' ' ,H,N* 1 00' # * + #4'4 hW' # # # *1 20' 0C:0575' ;850' 208D0D' 28;4.0D' 49' .20' :8"AD8C09.AC' 89D' 6.89D49B' 79' 8' 58460D' :"8=0' 8DD506606' 246' 85C@' :05679430D' ;@' 0964B9E;085056' .7' .;0' "03.' 46' 8' 67"D405' <27' 27"D6' .20' 0C:0575L6' 27560# 0249D' .20' :549=0' 79' .20' 68C0' :"8.375C' 46' 897.205' C4"4.85@' :056798B0*

9' .20' 0I05BA0' 73' .20' :50609.' 50?0560' <0' 508D' .20' 98C0' 73' .20' 85C@' <24=2' 7==A:40D' .28.' :85.' 73' 7A.2059' &05C89@' =8""0D' 8' =7A9G .5@' "@49B' ;0.<009' .20' 89A;7' 89D' .20' ":6' 97<' 375C49B' .20' .0554"A5@' 73' A50C;05B' 89D' 8' :75.479' 73' 8?8548*

9=409.' <54.056' 850' 64"09.' 86' .7' .20' 7A590@' 73' 8D5489' 49.7' 754=A49' ;A.' 4.' 46' ="085"@' 50G =75D0D' ;@.2760' =7496' 73' 246' <24=2' D46:"8@.20' 8;7?0' "0B09D' 89D' .@:0* 1 064D06' .246' D0?4=0' 6A"34=4=9."@' =7CC79' .7' 6A=2' 898"7B7A6' =7496' 47990.' 49' 246' 6 =' ' ' 6 ' M#, a N' 286' D06=54;0D' 8' 58505' 89D' C750' 49.0506.49B' .@:0' ?4\# 790' <24=2' 50:50609.6' 8D5489' 6.89D49B' 79' 89' 06.58D0' 89D' ;0249D' 24C' 897.205' 34BA50' <24=2' 46' D7A;."066' C089.' 375' .20' :50.7548' :5030=.* ;;t' &50: : 7 ' 49' =4.49B' .246' .@:0' 357C' 479G 90.' 50C85F6' .28.' ' <86' 06609.48""@' 8' C4"4.85@' =7A9.5@' 89D' .28.' 496=54:.4796' C09.479' D4?056' "0B47985@' ;7D406' =8""0D' 83.05' 4.6' 98C0* 1 ' 75' 897.205' :506AC0D' 7;0=.' 73' 8D5489L6' ?464.' .7' .246' 7.205<460' A98..58=.4?0' 6.8.479' 600' E' 9 ' MN##4=W_□* 75' .20' :57;8;"0' D8.0' 8;7A.' <24=2' 8D5489' :50609.0D' 24C60"3' 49' :05679' .7' 246' 754=89' 85C@' 600' + # ' & # * + # ' # *1 20' 0C:0575' 6.89D49B' 79' 8' ' <4.2' .<7' 7.205' C4"4.85@' 34BA506' C8F0' 89' 758.479' .7' .20' 6B"D4056# 9' 8' ;5866' C0D8""479' 73' 8D5489' D06=54;0D' 49' 84"G "89.' ' ' ' :#, , * @' .246' =749' 4.' 46' 620<9' .28.' 8D5489' 8".;7L 20' 28D' B4?09' A:' 85.248' <4.2' .20' 7.205' 75409.8"

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=7ASA06.6' 73' 6' :50D0=06675'6.4""=79.49A0D' ?4B4G "89.'@'.7' F00:' A:' 89' 85C@' 73'7;6057?8.479' 79' .20' 3579.4056' 73' .28.':7A9.5@' 89D' <24=2' 97' D7A;.' <86' 6.8.479D' 9085'.20' A:258.06*

:85.489' 6.8.06' .28.' 8D5489' <27' <86' D0G 6457A6' .7' 06.8;"462' 8C4=8;"0'50"8.479G' <4.2' 8""' .20' :549=06' 73' .20' 86.' :5743050D' 89' 49?4.8.479' 73' 35409D624:' .7' 2765706' F49B' 73' .20' 85.248A6' 609D49B';8=F'.7' 24C' 246' D8AB2.05' <27C' 58 8A' 28D' .8F09' 89D' :57C4649B' .20' 506.758.479' 73' 246' 57@8" .25790' M<24=2' y 86' 73' B7"D' 2A.' <24=2' <86' 'B4?09' A:' ;@' 8D5489N" 20'68C0' 2466 .75489' 8"67' 68@6' .28.' .246' 0C:0575' <86' 8"<8@6' 79' .05C6' 73' B77D' A9D056.89D49B' <4.2' .20' 85E' .24896" 0?05.20"066' 8' <85' <4.2' .28.' :07:"0' <7A"D' 49O?4.8;"@' 28?0' ;57F0907A.' 28D' 4.' 97.' ;009' 8?05.0D' ;@' 8' =7930509=0' ;0.<009' 8D5489' 89D' M86' 4.' <7A"D' 600CN' .2045' F49B" .' 46' :05G 28:6' ;@' .246' :8668B0' 73' .20' #7C89' 246.75489' .28.' .20' ;5866' C0D8""479' C8@' ;0'0I:"8490D'<24=2' 0I24;4.6' 50?0560' .20' "0B09D' 89D' .@:434=8G .479' 73' + # ' # *

+ # ' # 'M75' # N" * 1 T' 20' 0C:0575' 79' 27560;8=F'46' 8DD50666G 49B' 8':85.@' 73' 67"D4056';08549B' C4"4.85@' 6.89DG 85D6" 20' 3750C76.' 73' .2060' C09' 27"D6' 89' A9G A6A8""@' "85B0' 6SA850' 6240"D' ;03750' 24C' <24=2' C8@' 8""ADO'.7' '2r.48L6;049B' D00C0D' 8';A=F"05 8B8496.' .20' D0:50D8.4796' 73' .20' &8A"6' 89D' &.05G C896*U 1 8:." C@.2' . ' ' ':" , a*

246' 3456.';5866' 73' 8D5489' 46' 09B58?0D' 49' .20' ') ' ' ' $' I 44*

(0'627A"D';0'8;67"A.0"@' 4B97589.' 73' .20' 38=.' .28.' .246' :549=0' ?464.0D' #2m.48';A.' 375' .2060' ;5866' =7496' <24=2' 8..06.' 4." 246' =7A9.5@' ^97<' =7C:50209D49B' .20' 758";05B' 89D' .20' @57"0' 28D' B4?09' 4.6' 98C0' .7' D4.30509.';7D406' 73' .577:6' C09.4790D' 79' 89=409.' C85;"06*

+ #&" ' "8 " " * 1 20' 0C:0575' 79' 27560;8=F' ="7.20D' 49' .20' .7B8' ;03750' C' 850' 37A5' 67"D4056';08549B' "0B47985@' 08B"06' 89D' 64C:"0' 0964B96*

C79B' .20' B07B58:24=8" =7496' 73' 8D5489' @548' 46' 98C0D' 79"@' 79' .2760' 6.5A=F' 49' "85B0' ;5866' 28?49B' .20' 8;7?0"0B09D' 89D' 8==7C:89@49B' .@:0' 73' .20' F3 ' 3' A.' 7.2056' 73' 246' C49.8B06';085' .20' 98C06' 73' 60?058" =7A9.5406' 49' .20' 86.*

554?0D' 49' .20' :57?49=0' 73' @548' 8D5489' C8D0' KAD r 8' .20' 7;0=.' 73' 8' 6:0=48" ?464." 2050' 850' "85B0' 89D' C4DD"0';5866' 79' <24=2' 375' 0IG 8C:"0' <0' 508D' ! & ' ! $' MO9G B58?0D' 49':" a*N 2045' .@:0' 733056' .246' :85G .4=A"854.@' .28.' .20' .<7' 34BA506' 68=5434=49B' 850' 8==7C:8940D' 67C0.4C06' ;@' .<7' 67C0.4C06' ;@' .2500' 6C8""05' 34BA506' ;08549B' :8"C' ;589=206*

9' 5030509=0' .7' 6A=2' B07B58:24=8" =7496' 73' 8D5489' 86' 6:0=48""@' 50"8.0' .7' 246' ?7@8B06' 89D' .58?0"6' " 285"06' 0975C8A.'7;605?06'T'.28.'8.' "086.' 8' B77D' :75.479' 73' .20C' <050' 97.'6.5A=F' 49' .20' 68C0' @085' 73' .20' 7A590@' <24=2' .20@' 6052?0' .7' 50=75D" 9' 38=.' 79' 60?058" 73' .20C' .20' 0C:0575' 46' =8""0D' # ' 7<' ;0' D4D' 97.' 8==0:.' .28.' .4."0' A9.4" .20' @085' 73' #7C0' ,' k $' ,> N' <24"6.' .20' 605406' 73' 246' ?464.6' .7' .20' D4330509.' :85.6' 73' 246' D7C494796' =7CC09=0D' 49' H' 9 ' ' ,> N' .' 46' =05.849' .20503750' .28.' 8.' 8

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"4.."0' "8.05' :0547D' .20' 098.0' =8A60D' .20' =7"G "0=.479' 73' .2060' C0D8"6' .7' ;0' =7C:"0.0D' 375' .20' :A5:760' 73' 289D49B' D7<9' .7' :76.054.@' 8' C0G C7548" 73' 08=2' 73' 246' ?7@8B06*U 1 " + ' ' , + ' :" [*N

+ # ' " 75' * 1 20' C:0575' 76.ACA6' 79' 27560;8=F' <4.2' 60?058" C4"4.85@' 34BA506' 6.89D49B' ;03750' C*

+ # ' * 1 8C0'0C:0575'89D'.@:0* 8D5489L6' C49.' 286' 7;?47A6"@' 3A5946200D' .20' 85=2E.@:0' 73' .2060' .<7' "85B0';5866' =7496" 7C0' "0859OD' C09' 8C79B' 7.2056' 8?05=8C:' <27' 286' B4?09' 09B58?49B6' 73';7.2' 49' 246' ') ' ' '? 3' :5797A9=0' .20' 8DD0D' 98C06' 73' ?6=" 75' " 89D' " .7' C089' .20' 375C05' H ' 75' 3' .20' 54?05',' ^670' &7AB2L6' 8CD09' 0?79G 62450' 54?05', 3' ?7"" 4" :" >0' ' 89D' .20' "8..05' .20' 3' 8' :07:"0' 7' :849*1 6' .7' 3' =F20" M?44" >N' "8=794=8""@';A.' =79="A64?0"@' 68@6' 7' 67C0' .20' 8;7?0' 508D49B' 8::0850D' 6A6G :4=47A6' 89D' .7' 28?0' 754B498.0D' 49' 89' 05575' 73' .20' C7A0@05' 89D' ':50305' '7:49479' .7' .20' D' C09.4790D' 8A.2754.406*U' A.' 83.05' 8"" ' 850' .2060' =7496' '

_

+ #& ' 75' + #& 1E.20' "7<06.':85.' 73' 8' =749' D4?4D0D' 357C' .20' 506.';@' 8' 2754\79.8" "490" 20' <75D' 64B943406' 89' 7A.<75F' M75' 86' .20' 509=2' 9AC46C8.46.6' 49.05:50.' 4.' ' 9q % 49' 50"8.479' .7' .20' .@:0' 89D' .7' .20' "0B09D" .' 46' A6A8""@' 37A9D' 79' .20' 50?056O' 60"D7C' 79' .20' 64D0' 73' .20' 208D" 9' =7496' 73'E 38C4"406' 89D' .2760' 73' .20' 24B205' 0C:450' .20' 0I05BA8" 496=54:.479' C85F6' 04.205' 796A"85 D8.06' 75' 098.7548" 8A.2754.@' 75' 350SA09."@' <28.' 46' 73' C750'4C:75.89=0'4.'D450=."@' 8::"406' .7' .20' 6A;0=.'.@:4340D' 79' .20' 50?0560" 9' .20' C49.G 8B06' 73' .20' "7<05' 0C:450' "0..056' 7==44:@' ."40' 0I05BA0' <24=2' B09058""@' 605?0' .7' 49D4=8.0' .20' =4.406' 49' <24=2' .20@' <050' 6.5A=F' 89D' 49' ;7.2' 496.89=06' .2060' <75D6' 75' "0..056' 375C' 8' 6.584B2.' "490' <24"6.' .20' 506.' 73' .20' 2B09D' 46' :"8=0D' =45G =A"85"@" 75' 0I8C:"06' 73' .20' 0I05BA0' 89D' 4.6' ?8547A6' A606' 60D' :8B06' [' 'a' , , ' > ' H ' , ' ' , H' >, ' H , ' H ' H, ' HHH' =" 49' .246' D4=.47985@*

+ ' " "' 3' I' + ' a% 1 4BA50' 49' C4"4.85@' D5066' 6' "03.' 289D' 506.49B' 79' .20' ' 6.89D6' 74949B' 289D6' <4.2' 8' 57;0D' 30C8"0' 8"67' 6.89D49B' 89D' <27' 27"D6' 8'.54D09." 9'.20' 0I05BA0' * * ' M:57;8;"@' C089.' 375' 6 + 3' 97<' ##=2;757AB2' 49' '09.N* 1 1) ' " # 64?6' " :" &" 8A5=0D';A6.' 73' 858A64A6*

246' A94SA0' "0B09D' <4. ?4.6' 285D"@' "066' 5850' 89D' 50C85F8;"0'.@:0' 8::0856' 79' .20' 50?0560' 73' 8' 64"?05' 858A64A6' 73' <24=2' 5" F055889' <86' .20' 3456.' .7' :A;"462' 89' 09B58?49B" M 00' 246' . + ' ' 3 3' ?7"" 44" ?4B90..0' 49' <77D

H ' ⁄ + ' 4/N# ' *

⁄ :⁄ , N ' 357C' 8' 6:0=4C09' 49' A9A6A8""@' B77D' =79D4.479*0L' .' 75C0D' :85.' 73' .20' "8.0' 5⁄ 27C86L6' T' :549=0"@' =7""0=.479hL' 8.' .20' 68"0' 73' <24=2' .246' :50=47A8' C7A0.8⁄ 50"4=' 73' .20' A6A5:G 49B' ; A.' 49D0:09D09.' 67?0504B9' 73' 54.849 ' ;57AB2.' .20' 6AC' 73' $, ' [6⁄ 20' "0859 0D' 0D4.75' 73' .20' 8A=.479' =8.8"7BA0' M 5⁄ A5B79 ' :⁄ > [N O7;E' 605?06 ' .28.' .20' =749' 49' SA06.479' T' 46' 73' 385' ;0.G .05' 64"?05' .289' 858A64A6L6' B09058""@' 850*U

20' :50=0D49B' =A.' 46' 83.05' 8' =86. ' 3A594620D' 7' .20' =7C:4"05' 2 ' 7A;"0D8@' 8::8509."@' 35:C' .20' 27C86' 6:0=4C09⁄ 20' 68C0' .@:0' 8"67' 7==A56' 49' B7"D' 8==75D49B' .7' 47990.' k6 = ' =⁄ 44⁄ , N' <27' ?8"A06' 4.' 8.' ' 35⁄ <24"6.' 20' :54=06' .20' 64"?05' .iV:0' 8.' , [' 35* 1 00' 49.8B06' 73' 858A64A6 ' :⁄ , ' 0.' 60S* T' 7.2' .@:0' 89D' "0B09D' 600C' .7' 4C:"@ ' .28.' 858A64A6' 28D' 67A9D0D' .20' 54.796' ;03750' 20' 589' 743' <4.2' .20' 3"00.' 357C' 7A"7B90⁄ &090E' ;5405 ' D06=54;49B ' :57;8;"@' 357C' 89' 4""E:50G 605?0D' =749 ' .8F06' .20' 30C8"0' 34BA50' 375' ="4=4.@ ' 89D' 6A:.7606' .20' .54D09.' .7' ;0' .20' "79B' =8DA=0A6 ' <4.2' <24=2' .28.' #7C89' B7DD066' 46' B09058""@' 50G :50609.0D⁄ A.' .28.' 4.' 46' 8' .54D09.' <24=2' 620' 27"D6' 46' SA4.0' 0?4D09.' 89D' .28.' .20' 34BA50' 46' .20' &094A6' 73' 54.849' <4""⁄ ;0' 8=F97<"0DB0D' 0?09' ;@' .20' A94C8B498.4?0*U 1 00' @05C89*

=F20"⁄ M?444⁄ [N' <27' 375C0D' 246' 7:49479' 8::8509."@ ' 97.' 357C' 28?49B' 6009' .20' =749 ' ;A.' 357C' 89' 09B58?49B' 49' 8@CL6 ' 6 ' 6.4""⁄ =7964D056' .20' 30C8"0' 34BA50' .7' ;0' .20' &094A6' 73' 54.849⁄ 46' <75D6' 850 1 T' 4BA58C' CA"40E' ;50C' 0660' B094AC' 54.8994 r '?05464C4"=' 0146.4C7 ' SA4 858A64AC' 8D' 60' 0.' =8:06609DAC' 4C:054AC' 49?4.850' ?4D0.A5*U' 9D' 20' 8:."@' =4.06⁄ 45B4"' <27' C8F06') 9086' 6:08F' .7' 0=.75' 49' "4F0' :258607"7B@ 1 0%A4;A6' 0=.75' 8;' 7546' 0I:0=.8.0' ?09{6' zU

+⁄ # ' ⁄ ' 57A9D' .0C:"0' 79' <2760' 6ACC4.' 46' 89' 08B"0' ' <4.249' 46' 89' 4D7"' 75' .2500' 4D7"6*

9' .20' 6A;0=.' 73' .246' 649BA"85' 0:4B58:2' <24=2' 47990.' 89D' F05C89' D7' 97.' 04.205' 73' .20C' 97.4=0' ;A.' <24=2' =F20"⁄ 50=7B94606' 86' ;049B' 79' .20' 50?0560' 73' 8' ;5866' =749' 73' 24"4.: 6094751 .20' "86.' 98C0D' 9AC46C8.46.' 68@6 1 ' T' 20.205' 20' 50=04?0D' .20' 0C:450' 49' 8==75D89=0' <4.2' .20' 506:7960' 73' :7""7L6' 758="0' 75' :57G =A50D' .20' ;A4"D49B' 73' .20' .039:"0' 0I24;4.0D' 74⁄ .20' 50?0560' 75' ;09034..0D' 4.' 49' 89@' 7.205' <8@' 46' C8..05' 73' A9=05.849.@' 89D' " ' ' ' 0 % <0' 28?0' 900D' 73' 897.205' 758="0' 73' :7""7⁄ A.' <28.0?05' 4.' C8@' ;0' .246' =749' 733056' 8' 64946.05' 7C09' .7' .20' 7:49479' 73' .2760' <27' 86605.' 24"4:.7' .7' 28?0' :57306660D' .20' 2546.489' 50"4B479⁄ 09A.4' 49' 246' =749' 73' .20' A607' ";897' 6006' .2500' 4D7"6' <24=2' 20' 6A:.7606' .7' ;0' 8:4.7"490 1 ?4\⁄ 73' KA:4.05' 4905?8' 89D' KA97*U' ?7"⁄ ?44*

+ *1 (2090?05' .20' C0C7548⁄ 73' 89' 0C:0575L6' + ' 8B8496.' ' 3⁄ 46' 6.5A=F' 79' 8' =749' 20' 46' C8D0' .7' 8::085' 49' 286.0⁄ 2A6' <0' 600' 0:.⁄ 0?05A6' 50:50609.0X' 79' 27560G ;8=F' B8""7:49B' <4.2' =7A=20D' 6:085' 79' 8' 64"?05' =749' <24=2' 46' 5030550D' ;@' 84""89.' .7' .28.' 0CG :0575L6' 54.8994=' =8C:84B9⁄ A.' .20' D0:85.A50' 73' .20' 0C:0575' 79' 8' :8=434=' 7A590@' M8==75D49B .7' .20' 68C0' 8A.275M' 46' D0:4=.0D' 79' =7496' ;@' 8' 27560C89' B749B' 8.' 8' C7D058.0' :8=0⁄ 20' 6A;G 7490D' .@:0' 73' 8D5489' <7A"D' <4.2' .20' 84D' 73' .20' "0B09D' 64B943@' 8' ' ;' ;A.' .20' 6"7<' :8=0' 73' .20' 27560' 8.;05' D097246' .20' F3' 75' 8554?8"*

+ ⁄ &⁄ ' ⁄ , + ; ' *1' 20' 0I:0D4.479' 73' .20' C:0575⁄ 8D5489' ;850G 208D0D' 79' 27560;8=F' M ⁄ N⁄ ' 20' 7;G ?0560' 73' .246' =749' 50:50609.6' 8D5489' "8AE' 508.0D' 89D' 49' .20' :8"9D8C09.AC' 75' C4"4.85@' ="78F⁄ "40' "0B09D' 46' Bmp ' * W5' # E " ' F/

246' 46' 8' 3490"@ED064B90D' =749' 49' 3456.' ;5866⁄ 20' 0SA06.5489' B57A:' 46' 49' 8' 6:454.0D' 6.@"0' 73' <75FC8962 4:';7.2' 27560' 89D' C89⁄ 20' AE' B7*6.A6' 584606' 8"73.' 246' 54B2.' 289D' 89D' <4.2' 246' "03.' 27"D6' .20' ;54D"0' 73' 246' B09057A6' 6.00D' 86' 60..49B' 7A.' 79' 24C' 79' 67C0' 7A590@' 8;7A.' .28.' ?8BA0' :0547D' 246' .245D' =7964f8.0*

20' ;;t' &50::7' 97.4=06' .20' "0B09D' + E' ; ' 89D' 4.6' 8==7C:89@49B' .@:0' 49' 8' :8668B0' 73' 246' <75F' .7' .20' 37""7<49B' 0330=.' M:⁄ > N' /1

9' 8DD4.479' .7' .2760' B07B58:24=8⁄ =7496' <24=2' ;@' 0I24;4.49B' .20' ?05@' 73' .20' =7A9.5@' ?464.0D' "08?0' 97' D7A2.0<28.0?05' 86' .7' .2045' 64B9434=8.479' .2050' 850' 67C0' 7.2056' <24=2' .27AB2' 49' 8' C89905' "066':50=460' A9SA06.4798;"@' ;085' 5030509=0' 8"67⁄ .7' .20' 7A590@49B6' 73' .246' :549=0⁄ 2060' =0860' .7' :50609.' .7' A6' .20' 98C06' 73' D4?056' :57?49=06' 75' .7' ;085' .20' 6@C;7"6' <24=2' =2858=.05460' .20C⁄ 20@' 64C:"@' 49D4=8.0' .20' D0:85.A50' 73' .20' 0C:0575' B749B' .7' ?464.' 67C0' 790' 75' 7.205' 73' .20C' @0.' <4.27A.' 09G 8;"49B' A6' .7' 86=54;0' .20C' .7' .246' 75' .7' .28.' ?7@8B0' C750' .289' .7' .20' 506.⁄ 2A6' 79' "85B0' ;5866⁄ =7496' <24=2' 50:50609.' 8D5489' 79' 27560;8=F' <0' 508D' 6# ' &' #' ' ' #' =76⁄ *1 .2056' 49' B7"D' 89D' 49' "85B0' ;5866' :50609.49B' .20' 68C0' .@:0' ;A.' <4.27A." 0B09D' 600C' .7' 28?0' ;009' 6.5A=F' <4.2' .20' 68C0' 49.09G .479⁄ 20' 0I:0D4.479' 73' .246' 0C:0575' 49' &8A" 89D' 49' @548' 850' D064B98.0D' 49' 89' 49.0506.49B' 496=54:.479' 375C49B' .20' 0:4.8:2' 73' 8' 3500DC89' <27' 28D' 8==7C:8940D' 246' C86.05' 8' 60=50.85@' 89D' :056798" 8..09D89.' 73' 8D5489' 49' .20' &8A"462' 89D' @5489' 0I:0D4.4796' 86' .20' 496=54:.479' 4.60"3' M:⁄ ,a N' 60.6' 375.2' 9! ' 6# ! ! !$ ' p8T' ?6' & 4 ' ' # N*1 2050' 850' 86' .20' ;;t' 7;605?06' C750' ?8540.406' 49' .20' 50?0560⁄ <24=2' 50=8"" .20' 608E.58 ==.6' 73' .20' 68C0' 0CG :0575' 89D' <24=2' 850' 6009' 79' 64"?05' ;5866' 89D' 67C0' C0D8""4796⁄ 75' 8' D06=54:.479' 89D' 09G B58?49B' 73' 790' 73' .2060' 7;?47A6' 0C;"0C6' 73

6 # *

B77D' <46206' 375' 8' 28: : ' ?7@8B0' .7' .20' 0C: 0575#
1 00' "D" E4 *
+# ' ***# . ' 0
1 28.' 85=4898' <86' 0957""0D' 8C79B' .20'
D4?494.406' 46' :57?0D' ;@' C85;"06' 86' <0""# 86' ;@'
60?058"# =7496# 9' &5A.05L6' <75F' V46' B4?034' 8'
6.790' 0500.0D' 8.' 0.58948' 0?05498' 49' C0C75@ 73'
205' :5406.066' 9 " 3 !' ! ' "! : A'
(0' 850' 97.' 49375C0D' 86' .7' .20' @085' 49' <24=2'
620' 8=SA450D' .2060' 2797A56# (0' 79"@ F97<'
.28.' 620' <86' 09.4."0D' .7' .20' 0: 4.20.' '
8; 7A.' .20' @085' '9$ ' " ', , N' 86' 79' .20' 85=2'
73' .20' 75.A6' 90794.89A6' M 9=798N' <24=2'
50=75D6' .20' 4?444.2' 54; A94=48' 7.06.86' 73' 58G
89' MA9"066' 49D00D' <0' 627A"D' .2 p 0' 508D' I?4444N'
.2050' 46' 37A9D' .20' 496=54: .479' ! ' "! $'
? 7 #' ' ?7 #' M=4.0D' ;@' =F20" ' ?4# '
357C' &5A.05' > ' N*
1) 1 ' ' # ' 208D' 7 3'
85=4898* 1 6 1 6' !N ' " 0 ' '
=28547.' D58< 9' ;@' .<7' 0"0: 289.6' < 4.2' 54D056' 89D'
8' ?04"0D' BA50' 608.0D' 49' 4.#' 4"?05' 89D' 56.'
;5866* 1 00' 0I8=."@' 68C0' .@: 0' 09B58?0D' 49': # H[' *

* EH a

.20' 64I.2' "0..05' 73' .20' 8.49' 8": 28; 0._'
6.89D_' 375' ' 79' 67C0' =7496' 73' .27' "7< C' 0CG
: 450' ' 86' 49' AC05489A6' # K ? ' % ' '
89D' 49' 79754A6' # #' & # #G
#' 2050' 46' 8"67' 8' =749' 73' 796.8C6' <24=2'
508D6' # # ' # *
75' # , 1 # # ' ' ,) '
98C0' 89D' 6A598C0' 73' .20' 8; 48' 38C4"@*
* 1 # ! ' ! 1 #'
+# # ' '. ' ! ':' 75' A58G
.75' 0985475AC' 3"89D75AC* 1 # # F '
' !
! 1 # # * 1 ' F '
' !
! 1 # # ! 8 ' *
! 1 # # 75' ' ' # 350SA09.' 79'
#7C89' 4C: 0548"# =7496*
! 1 # # &*' # ' ! '
! 1 # # ! ' '
! ' 75' 4 4W* 1 ' &#
M A=4""8N' =*
! (' ' # * # ' & '
' ' ' ' ! ' ' M.28.' 46' .7' 68@'
)' ' + -'
! 1 50SA09.' 79' =7496' 73' #7C89'
38C4"406' M49' "4F0' C89905' 86' # + -':' ' '
' ! 1 # # # * ' !
' 6.89D6' 375' .20' 68C0' 79' 8' B508.' 9AC; 05' 73'
4C: 0548"# =7496' 86' &# # # ' . '
B- B' ! 1 &# # &# ' ! '

! 1 00' C85F6' 73' .20' 790.84' 54G
AC?456' # # # # ' ' '
! ' ! 1 M 00' :# ,*N
! 1 # # ' ' !
! EEEEE # # #' ! ' ! +
6

' B096* 1 9' 89=409.' 97; "0' 89D' :7< 05G
3A"# 38C4"@' .28.' B8?0' C89@' B508.' C09' .7' .20'
50: A; "4=' 73' #7C0# .' 0I.09D0D' 4.60"3' 49.7' 64I'
; 589=206' ?0' 73' <24=2' M?4\# A.07' 8; 07'
4=.75' 46: 8A4=A646' 8I4CA6N' 0I24; 4.' .2045'
506: 0=.4?0' 6A54CC06' 79' =7496# 46=85D49B' .20'
38; "0' 73' 4"4A6' .8"4=96' <27' =855406' 4.6' 75B49' .7'
8; 4A6' .20' 679' 73' 05=A"06' 8AD' B4?49B' 6=85=0"@'
C750' =50D4.' .7' 246.754896' <27' F "# 733' 8"" .20'
C8"06' 73' .20' 38C4"@' 68?0' 790' 49' 8' B09058"# 09G
B8B0C09.' <24=2' .20@' 09.050D' H ' 6.579B' 9085'
.20' 50C05c' 8B8496.' .20' 0409.06' # =# ' '
.20' =0"0; 58.0D' =2858=.056' <27' 850' 6A: .760D' .7'
28?0' 6: 5A9B' 357C' .20' 67"0' 6A5?4?75' 73' .28.' 38.8"#
D8@*8597A9.=D' .7' .245.@E64 I' 49D4?4DA8"6' 89D' <27' 49'
.20' 6: 8=0' 73' > ['@0856' <050' 49?06.0D' <4.2' 375.@E'
04B2.' 796A"8.06' 04B2.' 09675624: 6' 89D' .09' 54G
; A98.06' 73' .20' "0; 6' 34?0' 549=4: 06' 098.A6' .7G
B0.205' <4.2' .20' 2797A56' 73' .245.009' .54AC: 26' 89D'
73' .<7' 7?8.4796# 57C' 8; 4A6' 8I4CA6' 6A5E'
98C0D' A9=.8.75' .20' 38C7A6' D4=.8.75' 49' .20'
60=79D' A94=' <85' D7<9' .7' .20' 504B9' 73' 4; 0G
54A6' .20' 8; 44' 6A6.8490D' .20' 64D09D7A5' 73' .2045'
58=0' 8.' #7C0*
2050' 850' 0"0?09' 75' .<0"?0' D46.49=."@' D4330509.'
.@: 06' 89D' C89@' C750' A94C: 75.89.' ?8540.406

H ;

5P # *1 # *

.28.' 68=50D' 0D434=0' <86' D06.57@0D' ;@' 3450' 86E' 46' .06.4340D' ;@' "49@' <27' =7964D056' .28.' 03375.' 73' 85.' .7' 28?20' ;009' =50D4.8;"0' .7' .20' 8;48' 38C4"@ 1' 89' 7:49479' 27<0?05' <4D0"@' D46609.0D' 357C' ;@' 8"" 814CA6' <27' 49' 98558.49B' .20' 68C0' 38=.' D097A9=06' :849.49B' 86' 89' 7==A:8.479' .77' C089' 375' 8' =4.4\09' 73' .20' 97;"06.' 584"=E.7' :..5 90' 89D' .508.6' .20' :05375C89=0' 73' 40.05' <4.2' =7550G 6:79D49B' D46D849"

#4==47' M:" 3' 68@6 1 T' AC05496' "8?496' 4=E' .75' B508.' B589D679' .7' .20' 38C7A6' " 8;4A6' 8;7?0' C09.4790D' <86' .20' 8A.275' 73' .246' 64"?05' =749' ;A.' .20' :50=460' .4C0' <209' 20' 0105=460D' 246' C790.8"' .54AC?458.0' 46' 97.' F97<9*1 00' SA4<E' A6 1 600' 8"67' ! ' /

*1 ," " " " 4=.75@' 49' 8' 386.G B749B' SA8D54B8' 27"D49B' 8' :8"C' ;589=2' A9D05' .20' 275606' 300.' %*1 1) 1 " " " " " P " # " " +" " " 08D' 73' 8' <7C89' 8D7590D' <4.2' 6C8 ' C4.50' 085E549B6' 89D' 90=FG "8=0' ;0249D' 4.' 8' =8D900A6' / 67C0.4C06' <4.249' 8' =57<9' 67C0.4C06' 97.*

A=4A6' 8;4A6' 679' 73' A=4A6' <86' 3=7ESA06E' .75' 49' :849' .7' .20' :57E=796A"' " 994A6' 609.' .24.205' ;@' A"'8' 49' ,' M " =" HN' .7' 6A;DA0' 05.754A6' 73' .20' 85489' :85.@*

[*1%" +" # " &8"08.0D' 208D' 73' #7C0/" ;03750' 4.' +*1 6 1 759A=7:460' <4.2' 35A4.' 89D' <4.2' <24=2' 8' .2A9D05;7".' 46' :A.' =5766G <460' .20' <27"0' <4.249' =57<9' 375C0D' 73' :7:G :406' 89D' =759E0856*

8?0D794' 68@6' .28.' .246' D09854A6' <4.2' .20' 494.48"' %' ;0"79B6' .7' %A49.A6' 8;4A6' 814CA6' 05?4"489A6' =796A"' ^<4.2' 0=4"4A6' 0.0""96' 49' ,>' 9$'~' , >N' 89D' .28.' .20' =759A=7:460' .58G ?0560D' <4.2' .20' $ ' 6.4' .20' 6@C;7" 73' .20' =4.@' 73' 8"09"48' 49' :849' 8""AD06' .7' .20' 01:"74.6' 73' .20' 38.205' 89D' 73' .20' ;57.205' 8B8496.' 4548.A6' 49' .28.' =7A9.5@" ." 46' .7' ;07;605?0D' .28.' .20' =57<9' <24=2' 09=7C:86606' .20' 340"D' 73' .20' 8;7?0' 64"?05' =749' 46' =7C:760D' 73' "08?06' .40D' .7B0.205' <4.2' 208D6' 73' :7::406' 89D' 34946206' <4.2' =759E0856*1 8@' 97.' .2060' M86F6' #4==47N :749.' .7' .20' =75798' F7' .20' 2797A5' 73' <24=2' <86' 08590D' ;@' %A49.A6' 8;4A6' 814CA6' .20' 3 ' 86' 20' <86' =8 0Dz1' :8B0' *

' B096' :"0;048*1 750"' B4?06' .<7' =7496' 73' .246' 38C4"@' <24=2' 8==75D49B' .7' 84"E "89.' 286' # ' 375' 4.6' 6A598C0*

* ' B096*1 950=75D0D' M68@6' =FE' 20"N' ;@' 246.75@' 75' ;@' 89@' 89=409.' C79AC09.' =7496' 01=0:.0D" 20' 98C0' 73' '% $ * ! !' "! ') %' 8:.0856' 79' .20' .54096' SA8D5896' 89D' 60C46' 73' .20' 085"@' ;58*66' =7498B0*1 00' 790' 73' 08=2' 09B58?0D' 49' #4==47' ' ! 6 ' 73' 8' 749*1 ?05@' :0530=.' =749' 286' .<7' 38=06' 75' 64D06' ' 790' =8""0D' .20' 7;?0560' .20' H ' >

Y *E # * H ,

7.205' .20' 50?0560' 89D*.20' 34BA4E0' 89D#"0B09D' ! 75' 496754:.474' 79' 08=2' 850' 8"4F0' 6A;0=.6' 375' =7964D058.479"

L (' B096:"0;048' 97.' 97.4=0D' 49' 750"' 47220.' F055889' 975' 49' #4==47' 2A.' 73' <24=2' =F20" 6.8.06' .2S.' 67C0' 6C8"" ;5866' =7496' 850' 01.89." *W N44 ' 8' =79.0C:7585@' 73' A"4A6' 80685' 89D' ABA6.A6' 8::0856' .7' 28?0?;009' 790' *73' .2045' C49.EC86.056" *

" ' 8' 64=F"0' .20' 64B9' 73' 8.A59' .20' 50G :A.0D' 49?09.75' 73' 8B54=A".A50' ?.209=0' 20' <86' =8""0D' $ $ ';@' .20' :70.6" 20' 34BA50' 73' .246' 496.5AC09.' 73' 2A6;89D5@' 49D09.0D' 8::0856' 79' =7596' 73' .20' 8":A5948' 0CC44' 89D' 05?4"48' 38C4"406*1 00' * ' *1 00' !' % !O!

' B096 1 73' .20' :"0;0489' 75D05' ;A.' 73' =796A"85' 589F*1 20' 64"?05' =7496' 73' .246' 38C4"@' 28?0' .<7' ?8540.406' 89D' .20' ;5866' 790' .@:0' 86' 37""7<' /

A' " " M D4"46' "0;46N" 08D' 73' 0506' =57<90D' <4.2' =759' =856*1 6 1 " L " " # " 85=A6' 8994A6' 89D' A=4A6' 54.794A6' .7B8.0D' 7==A:@49B' .2045' 506:0=.4?0' ' 89D' :5064D49B' 7?05' .20' :A;"4=' D46.54;A.479' 73' <208." 9' 67C0' 6:0=4C096' .246' 46' 8DD4.4798""@' 49D4=8.0D' ;@' 8' =759E085' :"8=0D' A:54B2.' ;03750' .20C" 0G 249D' 49' .20' 340"D' 850' .20' "0..056' " *0"#) ' N*1 00'w ' :" ,>1 600' 8"67' 54.7948' B096' :" >a *

>" 3"08D' 73' #7C0' 20"C0.0D/" ;03750' 4.' +*1' ! 1 " " " " 4=.75@' 49' 8' SA8D54B8' 8.' 3A"" 6:00D' 27"D49B' 8' ;589=2' 67C0.4C06' 8' =57<9' 49' 205' 54B2.' 289D*1 75' 8' <77DE7A.' 73' 4.' 600' # ' :" , ' "03.' 289D' =7"AC9*

H" " " " " 8;7?0' # ' ;0"7<*1' ! 1 " M 0C46N" 24:L6' :57<*1 4DD"0' ;5866* 20' 8A.275' 73' .2060' .<7' "86.' =7496' 46' A9F97<9" .' 46' .27AB2.' .28.' :7664;"@' .20@' C8@' 28?0' ;009' 6.5A=F' ;@' " 8994A6' :50.75' 49' >' 9$'~' >N' DA549B' 246' C790.8"' .54AC?458.0*1 00' #4==47' a * 20' 98C0' 73' 8994A6' M=" % ' % ' # A' 46' 508D' 79' .20' =46.7:2754' 73' 58""06' M 648N' =7490D' 49' [' M3"" =" aN*

' B096' 89' 7;6=A50' 38C4"@' 73' .20' :"0;0489' 75D05' F97<9' 79"@' ;@' 4.6' =7496' <24=2' 850' 64"?05' 89D' 28?0' ;A.' 790' .@:0' <4.2' 67C0' A94C:75.89.' ?8540.406" ." 286' ! ' 375' 4.6' 98C0' 89D' ' 375' 4.6' 6A598C0" 20' 37""7<49B' 46' .20' "086.' =7CC79' / 1

" " #" A6.' 73' 8' <7C89' <4.2' 6C8 ' .4858' 75' C4.0""8' 79' 205' 208D' ;0249D' 46' .20' + ' 73' "4;05.@*1 ! 1 " # " ' B8"08.0D' 89D' :8"AD8.0D' 34BA50' 49' 8' ;4B8' .7' .20' 54B2.' 01.09D6' .20' 54B2.' 289D' .7' 897.205' 34BA50' ="7.20D' 49' .20' .7B8' .7' 86646.' 24C' 49' 86=09D49B' .20' =85" 9D05' .20' 275606' 850' "0..056' 89D' 49' 67C0' 6:0=4C096' 8 6=75Q44MC

6'46'.20'38C4"@L6'754B49'67'46'.20'.@:0L6'C089G 49B 1 7;6=A50"# 08590D'C09'M7;6052060 =F20"'?" >,>N' 08::760'.246'.7';0'6@C;7"4=8""@8""A64?0'.7' .20' '- '098=.0D' '9$ ' a N' =79305549B' .20'54B2.'7'=4.4\09624:'79'.20'.8"4896'=24=2' :54?4"0BO'46'3A5.205'=79 0=.A50D'.7';0'2050'628G D7<0D'375.2'.@'.20'85C0D'34BA50'0567943@49B' .20'#7C89'07:"0'<27'46'50=04?49B'246'90<' 8667=48.0'73'.8"@'49.7'.20'68C0'?024="0'<4.2'24CG 60"3# 20'208D'73' 4;05.@'0124;4.0D'79'.20' 7;?0560'8"67'600C6'.7'38?7A5'.246'8..0C:.'8.'89' 49.05:50.8.479*1 8?0D794'46'73'7:49479'.28.'.7' .246'6A;0=.'73'.8"4896'8DC4..0D'49.7'#7C89' :54?4"0BO6'.20'.@:0'73' A=48'B096'^49'<24=2' 86'8"67'49'.28.'73' A548'B096'.20'208D6'73' 797A5'89D' 45.A0'850'079 7490D0' C750'8::"406 .289'D706'.246'.@:0'73' 856A"048';0=8A60'.20@ 20574=':75'89D'.20'01=4.0D'8=.479'73'.20'275606' D7'97.'=75506:79D'<4.2'.20'<75FC89624:'73'.20' .4C06'49'SA06.479'975'<4.2'.20'6A::760D'64BG 9434=8.479';A.'58.205'<4.2'.20'6.@"0'73'8'"8.05' 8B0'.28.'46'.7'68@'.20'D0=8@'73'.20'50:A;"4=*1' 00'#4==47':*a,*

1;A9D"06'73';45=209'57D6'=85540D';@'.20'"4=.756";03750'.20'24B206.'0"866'73'#7C89' C8B46.58.06':<4.2'89'810';7A9D'A:'49'.20'C4DD"0' 73'.20C'86'375'.20':A9462C09.'73'<4=F0D'D7056*' 20'57D6'.7'620<'.20'C750'"09409.'493"4=.479'375' 38A".6'=8:8;"0'73'=7550=.479'.20'810'" 7' .7'49D4=8.0'.28.'.20':05:0.58.756'73'20497A6'89D' A98.798;"0'=54C06'<050'.7';0'=A.'733'357C' 67=40.@* 2060$ '89D' '79'=7496' D097.0'.20'6A:50C0'8A.2754.@'73'.20'=796A"6'89D' 7.205';549=4:8"C8B46.58.06'86'28?49B'.20'54B2.' 89D':7<05'73'"430'89D'D08.2* 20'34BA50'73'8' =A5A"0'=2845'M6@C;7"4=8*'73'.20'=796A"85'733=0N' :"8=0D';0.<009'.<7'$ 'M67C0.4C06'<4.2' 67C0.4C06'<4.27A.'.20' 7'46'8"350SA09.'.@:0' 79'=7496'73'#7C89'38C4"406* M 00' % %! ' 89D' *N 1 20'$ '89D'8' ':"8=0D' =5766<460'<4.2'89'810';0"7<'89D'8'B"7;0'8;7?0' .20C'89D'79'790'64D0'.<7'54B2.'289D6'7490D' 8::085'79'64"?05=7496'73' 04A4"4A6'9=8'89D'KA"4A6' 60685* M 00':*,[*N 1 20'386=06'<4.2' ' 8::085'79'=7496'73'.20' 4=4A48'M 750 * $ ' HN' 89D' 75;898'38C4"406*

1 8'98C0'B4?09'.7'.20'.8;"06'73' C85;"0' 79'<24=2'.20'#7C896'D0D4=8.0D'.7' :76.054.@'.20'98C06'8=240?0C09.6'89D'.54AC:26' 73'.2045'B508.'C09'89D'C8D0'F97<9'.7'.20' :07:"0'.20' '$ ' ' $ 1.20'D8@6'<209' .20@'& '89D'<050' '.7'73305'68=5434=06'.7' .2045'B7D6'09D'D46=285B0'.20'DA.406'4C:760D'79' .20C';@'.20'! $ '86'.2760'73'50"4B479* 2060'899A8"50=75D6'<050'6A;D4?4D0D'49.7'60?0G 58"F49D6'73'<24=2'.20':549=4:8"<050 1 ,* ! 'E 1 2060'<050'67'=8""0D'207"7B@* 2060'8<3A"646.056'=796.4.A.0D' 06G ;0=8A60'.20'D8@6'73'08=2'C7A.2'357C'F8"09D6'.7' F8"09D6'<050'C85F0D'49'.20C':'89D';0=8A60'.20@ 8"67'97.0D'8'.20'50"4B47A6'=050C79406'357C'.20' ;0B4994B'.7'.20'09D'73'08=2'C79.2* 7<85D6' .20'="760'73'.20'50:A;"4=' 89D'83.05<85D6'A9D05' .20'4C:0548"B7?059C09.'4960968.0'':54D0'49'.20' B7?0597 56'89D'8DA"8.75@';8609066'49'.20'B7G ?0590D' 7==864790D'.20':576.4.A.479'73'.2060' .8;"06'89D'509D050D'.20C'A".4C8.0"@'6A;605?409.' .7'.20'01.58?8B89=0'73':549=06'89D'.20'D0B09058=@ 73'.20':07:"0* 75'8' '.7'28?0'246'98C0' + '79'.20'! '28D'8"<8@6';009' 50=F790D'89'7;0=.'73'"0B4.4C8.0'8C;4.479'86'4.' & '49D00D'790'73'.20'24B206.'2797A5'';A.'.209' 4.'<86'=793490D'.7'.20'=796A"85'89D'.54AC:28"' ! ' 20'0C:05756'97.'=79.09.'<4.2'5A"49B' .20'<75"D'8330=.0D' 4?494.@'89D'7;.5AD0D'.20CG 60"?06'79'.20'=8"09D85'86'7;0=.6'73'0?05@'F49D' 73'50"4B47A6'8D758.479*

>* ! ' ' '49'<24=2'<050'899A8""@' C85F0D'.20'98C06'73'C8B46.58.06':85.4=A"85"@' =796A"6'89D'D4=.8.756'M<209'.2060'"8..05'<050' 8::749.0DN''8"67'.20'<856'?4=.75406'89D':7"4.4=8" =289B06'73'.20'50:A;"4=''.7B0.205'<4.2'C0C7548"6' 73'60=A"85'B8C06'89D'7.205'50C85F8;"0'0?09.6* 9D'.246'<86'D790'86'<0"*.7':50605?0'.20'D8.06' 73'6A==0664?0'@0856'86'.7'289D'D7<9'.20'50G C0C;589=0'73'4C:75.89.'.58968=.4796*EEEEE 00 4.46=A6'89D'D8C6*

'C76.'4C:75.89.'6:0=4C09'73'! ';0"79BG 49B'.7'.20'="866'73' ' 6A::760D'.7'28?0' ;009'010=A.0D'8.'.20';0B49949B'73'.20'504B9'73' 4;054A6'286';009':85.48""@':50605?0D* T'9' .20'@085',['60?058" 358BC09.6'73'C85;"0' .8;"0.6'<050'D46=7?050D'49'01=8?8.49B'.20'#7C89' 375AC'89D'<050'37A9D'.7'=79.849'8'"46.'73'=79G 6A"6'D4=.8.756'89D'.2045'C86.056'73'27560' =096756'<4.2'.20'"A6.58'<24=2'.20@'="760D' .54AC:26'89D'7?8.4796'8""* 85589B0D'49'50BA"85 6A==066479'8==75D49B'.7'.20'@0856'73'.20'8E .7A489'=058* 2060'28D'0?4D09."@'01.09D0D'357C' .20'01:A"6479'73'.20'F49B6'.7'.20'D08.2'73' ABA6.A6'89D'8".27AB2'D030=.4?0'49'C89@' :"8=06'28?0':57?0D'73'.20'B508.06.'?8"A0'49' =25797"7B@* 20'D4330509.':40=06'<050'=7""0=.0D' 89D'85589B0D'A9D05'.20'496:0=.479'73' 85D498"* "0189D05'8534060'89D'D0:764.0D'49'.20'8:4.7"' <2050'.20@'6.4""* 50C849* 57C'.246'=45=ACG 6.89=0'.20@'850'B09096*'D46.49BA4620D'86'.20' ! ' + 1 9'.20'@0856,,'89D',,' .<7'7.205'358BC09.6'73'.20'68C0'C85;"0'.8;"0.6' <050'D46=7?050D'49'.20'=7A560'73'8'90<'0108?8E .479'49'.20'375AC*' 38=E64C4"0'73'.20C'<86' :A;"4620D'8.'4"89';@' 75B2064'49',,*U 1' ^ 20'3750B749B':8668B0'46'01.58=.0D'357C'89'8;"0' 85.4="0'0C;58=49B'97.4=06'73'8"":749.6'900D3A" .7';0'F97<9'79'.20'6A;0=.'+79.8490D'49'.20' . 3'$'4 ?' '6 ' 0 ' 0D4.0D';@'5* C4.2'8.'.20'09D'73'<24=2'<75F' .20'! ' ' .20C60"?06'850'B4?09*Q

'.20'68C0'.2500'38;A"7A6'D04.406'86'.20' # 'D8AB2.056'73'50;A6'/.20@'4928;4.0D'8' B"77C@'=8?0'49'85.85A6'6@C;7"4=8"73'.20' 7;6=A54.@'<24=2'09?0"7:06'.20'3A.A50'<2760' =7A560'.20@'<050'8;"0'8.'79=0'.7'.50D4=.'89D' D0.05C490'8==75D49B'.7'.20'8B89'6@6.0C'73' .49@'75'8.'"086.'<050'.20'C46.506606'73'06.49@* 20'#7C896'377"7<49B'.20'018C:"0'73'.20' &500F6'49'8'6A:056.4.47A6':58=.4=06':84D'B508.' 2797A56'.7'.2k'! ':'89D'49?7F0D'.20C'B090G 58""@'83.05':7""7';0=8A60'.20@'"4F0'.28.'B7D' :5064D0D'7?05'.20'3A.A50*

' # * M 7'.20'4=.7547A6' 8.06N*1 246'50C85F8;"0'"0B09D'8::0856'79'.20' 50?0560'73'8'?05@'5850'B7"D'=749'73' 47="0.48=* 1 20'.@:0'<24=2'8==7C:89406'4.'50:50609.

"L K4" *K K '

D548.4L6 D08.2 ' 9.7949 8 ' 79 8==7A9.*73 .20 0IG .50CO @7A.2 73 05A6 ' B8?0 205 49 C8948B4 .7 # A50"4A8 ' .20 9A :.48"6 ;049B =796ACC8.0D 8 30< @0856 "8.05# ? ?28.' 620 (86 D0=758.0D' <4.2 .20 .4."0 ' <2 4"6.' 205?2A6 ;89D' (86 ' C050"@ =0885' 46 2 48=.' :57?0D' 357C' 07496* 1 ' 20 D40D 49 .20 @085E7# =# a> ' 9 $ ', [N 8.' .20 ?4""8BD 73 8"8"0 ' 79 .20 6245.6 73 7A9.' 8A5A6 ' <2 4"6.' 79 205 <8@ .7 749 205 2A6;89D 49 @548*

7 .20 ;08A.@ 73 .246 <7C89 .20 9.7949 0C49.' ;0856 =796.89.' .06.4C79@ 49 8 ' .20' .2500 C0.8"6 '89D' :0528 :6 49 97 0I8C :"0 C750 6.54F49B"@ .289 79 .20 ;5866 C0D8""479 <20900 .20 8;7?0 :75.584.' 46 =7 :40D# A.' 205 =2858=.05 <86 ;@ 8""# 246.754=8"# 8==7A9.6 ' A9<75.2@ 73 205 38.205 89D 205 2A6;89D ' <2760 ?45.A06 28?0 ;009 .20 .20CO 73 0A"7B@ 49 0?05@ 8B0# 8A6.498 46 8=G =A60D 73 28?49B "0D 8 "430 6. " C750 D4667"A.0 .289 .28.' 73 205 C7.205# .' <86 0?09 ;0"40?0D .28.' .20 6ADD0 D08.2 73 # 05A6 <86 DA0 .7 205 8B09=@ ' 89D .28.' 620 .77F 8 60=50.' :85.' 49 .20 =796 :458=@ 73 ?4D496 8664A6 8B8496.' 205 2A6;89D# 20 C76.' 97.754796 496.89=06 73 205 "4=09.47A69066 89D =54C498"4.@ :57DA=0D 67 "4.."0 0330=.' 79 .20 C49D 73 85=A6 A50"4A6 .28.' <209 A5B0D ' 43 A9<4""49B .7 :A.' 205 .7 D08.2 .28.' 8.' "086.' 20 <7A"D D4?75=0 205 246 50 :"@ <86 T 3 <0 D46C466 .20 <430 "0.' A6 8"67 506.750 .20 D7<5@ U ' .20 0C :450# 246 4""E ADB0D 375G ;08589=0 M86 =F20" 7;605?06N T C4B2.' :0528 :6 ;0 0I=A60D ' 28D 20 97.' B790 .20 "09B.2 73 :A;"4="@ "8C09.49B 205 49 .20 8662 '89D' :7""A.0D 86 620 <86 <4.2 =54C0 0957""49B 205 49 .20 8660C ;"@ 73 7C89 D04.406*U 8A6.498 B8?0 .7 205 2A6;89D 8 B508.' 9AC ;05 73 =24"D509 ' 8C79B 7.2056 A=4 8 M600 .20 <75DN ' C85540D .7 A=4A6 05A6 ' 7CC7E DA6 89D 9.7949A6 .<496 .20 375C05 D06.490D .7 ;0=7C0 0C :0575 ' 89 " .20 "8..05 D@49B 8.' .20 8B0 73 37A5 @0856 ' 8"67 994A6 05A6 ' <27 D40D @7A9B M60D * ' ! A

8C :54D4A6 6.8.06 ' .28.' .2500 73 8A6.498L6 D8AB2.056 <050 "4?49B' 83.05 .20 :0547D <209 7CC7D96 <86 866866498.0D ' 89D 057D489 286 7;605?0D ' 6:08F49B B09058""@ ' .28.' # 950"4A6 28D 60?058# D8AB2.056 ;7C .7 24C* 1 00 >N# 43# ?44# *

05 =7496 ' 49 B7"D 89D 64"?05 M=05.849 0IG 8C :"06 73 B508.' 5854.@ 0I=0 :.0DN ' 850 =7CC79# 05 ;579\0 C0D8""4796 850 8"C76.' 8 ' 73 24B2 5854.@ ' "85B0 89D C4DD"0 ;5866 375 .20 C76.' :85.' =7CC79 ' 54649B 49 :54=0 79"@ 8==75D49B .7 .20 <75FC89624 :' 89D .20 .@ :0# 9 .2060 620 46 6.@"0D ' & *1 ' E

' 1 M<4.2 67C0.4C06 & ' # "" 48 ' 75 #' # ' 79 50?0560N*

' # # ' 73 ' .20 & #* !

< 0 / & ! #! ' %!0! ' 20 0C :5066 86 4898# M$>' , 6# 8.' .20 27C86 68"0N* 1 4 D " * ! ' "/ % ' ' ;45D ' <24=2 =F20" D06=54;06 .7 ;0 8 D7?0 89D 0975C89.' :57G 97A9=06 8 :08E209 ' 8..54 ;A.0 73 KA97# kU\' w ' 8.' .20 27C86 68"0 ' $>' , 6# 8.' .20 0?7962450 ' $H 6# 8.' .20 8C :898N* 1 % " ! ! ' .' # M .# ' 35*N 1 # ' # # M .*

' | ' * H [

' 35*N 1 # 20 B7DD066' 608.0D ' 89D' .< 7' =24"D509*' M$>' H6# 27C86N* / * ! ' " * . # M .# > ' 35*NEEEEEE ' * M$,' , 6# 27C86N* / ! * ! ' & * ' @;k"0# M 27C86 ' $H' H6# ' 0?7962450 ' $ ' , [6*N / D * ! ' | # # M$H' 6# 27C86N*E # ' E & # 09A6 608.0D# M .# , ' 35*N / * ! ' # ' D7?0# M$>' 6# 276N* 1 ' 6.89D49B ' D48D0C0D ' ="7.20D ' 27"D49B' .20 6=0 :.50 ' 89D' 8 : :"0# / ' M$,' ,a6# 27C86N* !O * / " * ! ' A9058"# :4"0 ' 6A5G C7A9.0D ' ;@ 8 ;4B8*E5E 8C0 "0B09D# A9058"# :4"0 ' <4.2 ! * ! ' " ! * * ' 79' .20 64D0 73 .20 208D*

5? 4 ' & # 20 0C :5066 608.0D 86' K.C7 ' <4.2 :08=7=F 8.' 205 300.* 1 1 / % .' ' 1<1 ' A6.' 73 .20 0C :5066*

* ' 00! / ? ! ' & .' " # (7C89 27"D49B 8' .75=2 ' 608.0D 79 8 6.8B# M 9B58?0D 49 ' 6 ' 0975C89.* 1 ' ' *1 ' + # M .# , [' 35# 08=2N* 1 (4.27A.' "0B09D# 75.A90 608.0D* 1 ' M .# , ' 35*N 1 (4.27A.' D7# 4I' 30C8"0 34BA506# M .# , [' 35*N 1 (4.27A.' D7# 646 28548# M .# , ' 35*N 1 @;0"0 89D .@6# M .# > ' 35# 9G B58?0D 49 :* H ' 73 .246 D4=.47985@N*

* & ' * 1 ! ' (7C89 608.0D ' =85540D ' ;@ .<7 7.2056* 1 " " * ! ' A9058"# :4"0* 1 (4.27A.' "0B09D# 08=7=F =855@49B 8A6G .498 .7 .20 6F406* 1 (4.27A.' D7# 25790 73 KA97 ' 6=0 :.50 89D :08=7=F# M .# , ' 35*N 1 * ! " .' 1 ' 0C8"0 68=5434=49B ;03750 H 6.89D85D6# 1 4 # 8A6.498 86 40.@ 8 @7A9B B45"# 8.' 205 300.# M 0975C89.N*E 1 " ' % 0 ! " ! ' <7 =24"D509 79 8' 608.' <4.2 8' ;8=F* 1 ! * !.' ?6' # # 4898 49 8 ;4B8# 6# :* %# * ' 85 D58<9 ;@ .<7 CA"06* 1 ' 0C8"0 34BA50 D58 :0D .7 .20 300.' <4.2 8 : :"0 89D 6=0 :.50# M$,' , 6# 8.' .20 0C ;57F0 68"0N*

! 0 ' * / $ * ! ' ! " ! ! ' 856 89D 09A6 6.89D49B*

' " % ' D8AB2.05 73 "8AD4A6 0?05A6 89D 73 4 ;48 A50"48 8 ;498 MD8AB2.05 73 85=A6 A40"4A6 89D 73 .20 @7A9B05 8A6G .498N ' <86 .245D <430 73 "8B8;8"A6 ' <27 ' 86 8 :50"4C4985@ .7 246 C85548B0 <4.2 205 ' =8A60D 205 2A6;89D .7 ;0 :A.' .7 D08.2 ' 89D .209 .20 <50.=2

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375;8D0'205'.7'<00:'375'24C*' 2060'90<'9A:G .48"6'.77F'::"8=0'49'.20'@085'73'#7C0'a '9 ' ' >>,N*' 4F0'.20':50=0D49B'7906'.246'<7560'.289'C7=F05@'73'8'C8.54C7948"'8947'9'<86'D4667"?0D'8.'.20'0I:458.479'73'8'?05@'6275.'6:8=0'73'.4C0*' 20'<86'50:AD48.0D'.7'B4?0':"8=0'.7'7.2056* T 9948' 8A6.498'M50C85F6' *' 0975C89.N' D4D'97.'37""7<'.20'=A6.7C'8D7:.0D'@'8""'.20'<7C09'<27'28D'.20'.4."0'73' ABA6.8'8.'.28.':0547D'73'8DD49B'.20'98C0'73'KA"48'.7'.2045 7<9*' 05';45.2'<86'67'4""A6.547A6'.28.'620'28D'97'900D'.7';7557<'8'37504B9'= ' 20'98C0'73' 9948' 8A6.498'46'F97<9'79"@'357C'=7496*1' 479' 8664A6'6:08F6'79"@'73'8'<430'^73' "8B8E';8"A60'<27'D06=09D0D'357C' 85=A6' A50"4A6*1' 9'38=.'.20'98C06'73' 89D'73'! ' ;0"79B'.7'.20'38C4"@'73'.28.'0C:0575*U 05'=7496'49'64"?05'89D'3456.';5866'850'30<' 49'9AC;05'89D'8""'73'.20'24B206.'5854.@'79' .206'620'46'6.@"0D' ' &* 75' & *' 20'50?0560'6'850'86'37 7<'/1 !0 * .....G' " " * ! ' "8B8;8"A6'89D 9948' 8A6.498'6.89D49B'B4?0'08=2'.20'54B2.' 289D'.7'.20'7.205*' 9'.20'340"D'46'8'6.85* >*' 4 ' &*' <7C89'6.89D6';0375'0'89' *' 79'=7496'73' 858=8""8* 4D.85*' M 47990.'?8"A06'.206'0.<7'=7496'8.', ' 3589=6'08=2*N *& ' * / " " * ! ' 8C0'6A;0=.' 86' 7*',*1 20'7;?0560';0856'.20'"0B09D' ! ' ' & ' 89D'.20';A6.'73'.20'0C:5066' 375'4.6'.@:0*' M 54=0D';@' 47990.'8.' '35*N1' 57C'8'3490"@':50605?0D'6:0=4C09'73'.246'790'73' .20'5850 6.'73'#7C89'=7496'.20'3750B749B'=A.'286';009'0I0=A.0D*' 75'8'3490'09B5?49B'8'.20' 68C0'50?0560'86'<0""'86'73'.20'7;?0560'600' 479G 90.'6 =' ' '6 '4*':'H[* b *1 75'8'.@:0'73'.20'57@8*'620:G 205D'73'.20'#7C89'"0B09D'.20';549B05EA:'73' %A4549A6'<4.2'.20'<7"3E6A=F"0D'.<496'A9D05'.20' #AC498*'34B'.500'600'% o ' 7C:048'B096* 1 +*1 20'8;?70'<77DE=A.'=8503A""@09B58?0D'357C'8'3490"@':50605?0D'6:0=4G C09'73'.28.'0"0B89.'D09854A6'46'.20'790'50G 30550D'.7'49':*>' A9D05'.20'208D'73' 7590"48' B096*' 7*>* 9'.20'7;?0560'<0'600'.20';A6.'73' 4898'D46.49BA4620D';@'8'=506=09.'6A5C7A9.49B'.20' C4.0""8'73'205'0"8;758.0"@'85589B0D'208DED5066* 0249D'46'.20'"4.AA6*' 20'"0B09D'% ' M"4.058""@'C08949B'375.A98.0'8A6:4=47A6N'46'8' 6A598C0'73'*' 7590"4A6' A""8'679'73'.20' =0"0;58.0D' 4=.8.75'8"67'=8""0D' 8A6.A6' A""8* 9'.20'50?0560'73'.20'68C0'=74A'<4.2'% 0!6' 375'."0B09D'.20'.@:0'B57A:6'.7B0.205'8'C89' ="7.20D'49'.20'.7B8'79'89'0"0?8.0D'608.'89D'.<7' F900"49B'C8"0'34BA506';0"7<'24C*' 90'73'.2060' 733056'A:'.7'.20'608.0D'34BA50'8';589=2'<4.2'.2500' 6.0C6'.20'7.205'286'246'85C6'.40D';0249D'24C* *1 * A""8'.20' 4=.8.75'<86'6AC8C0D'! ' .20' 28::@'75'.20'"A=F@'357C'28?49B';009'6A==0663A*' 49'8""'246'09.05:54606*' KABA5.28' F49B'73'.20' AC4D4896'49'8'"79B'<85'<24=2'20'6A6.8490D' 8B8496.'.20'#7C896'<86'49' ¯ ' □ ' ' $!' □ , N D0308.0D';@ 8549 6'89D'=7C:0'"0D'.7'.8F0' 503AB0'49'.20'.0554.75406'73'F49B' 7==296'73'! 8A50.8948* A""8'.27AB2'.209'79"@'60=79D'49' =7CC89D'28D'493"A09=0'097AB2'<4.2'.246'675D4D' 89D'.508=2057A6*C89'.7':57=A50'357C'24C'.20' 6A5509D05'73'KABA5.28'49.7'246'7<9'289D6*' 246' 246.754=8*' 49=4D09.'375C6'.20'6A;0=.'73'.20' 8;7?0'D06=54;0D'89D'4""A6.58.0D'=749*1 20' 6@C;7"4106'.20' ABA58.0'73' A""8*1 00' 75G 90"48'B096':*> * * ' * ':'89'8;;50?48.479'<24=2' 8::0856'79'=7496'73'.20' 7A6.89.49489'8B0* * * 206'"0..056'8::085'97.'79"@'79'=7496' 73'.20'.54AC?456' * 9.79@'89D' =.8?4A6';A.' 8"67'79'D0985447'73'.20' 60=4"48':::48'0CC48' 0C:57948'89D' 4;48'38C4"406*1 75'.20'C0896 49B'73'.20'8;;50?48.479'60' ##!'B096':*H * * ! 1 * &*' ! ' * 85=* ('1 ' 4 ' 4 ' 4

' &*

=7496 73 .20 ' 0=A9D4.@ 8: :0856 86 8 C8.579 ' ="7.20D 49 .20 6.7"8 ' 67C0.4C06 6.89DG 49B ' <4.2 .20 '+ ' 49 205 54B2.' 289D ' 89D 6A: : 75.49B 89 49389.' 49 205 "03. ' 67C0.4C06 ' <4.2 8 =759A=7: 400 49 205 "03.' 289D ' 89D ' ;0375 205 8 724"D ' .7 <24=2 620 0I.09D6 205 5462.' 289D* 1 ' 9 7.2056 620 46 608.0D ' <4.2 =24"D509 49 205 "8: ' 75 6.89D49B 8.' 08=2 64D0 73 205 ' 67C0.4C06 <4.2 790 79 08=2 85C*

' * 1 ' <7C89 608.0D ' <4.2 .2500 49389.6 9 3456.' ;5866 73 A=4""8 205 850 B7"D ' 64"?05 ' 89D 60=79D ;5866 73 .246 0C: 5066 ' <4.2 64C4"85 "0B09D 89D .@: 0*

57C .246 50?0560 M7;605?06 =F20" ' ?44 aaN 0D47;85;A6 286 8..0C : .0D .7 :57?0 ' .28.' =7496 ;08549B .20 "0B09D o "!OO ' ' 850 .7 ;0 5030550D ' 97.' .7 .20 A=4""8 ' <27 C85540D A=4A6 05A6 ' ;A. ' .7 790 <27 ' 86 .28.' 9AC46C8.46.' 24C60"3 8DC4.6 ' 28D 97 ="84C ' .7 .20 0 : 4.20.' $ ' 28.' A=4""8 ' .20 D8AB2.05 73 A50"4A6 89D 73 8A6.498 A9475 ' ;750 =24"D509 .7 05A6 46 8 5086798;"0 =79="A6479 ' ;A. ' .2050 46 97.249B 5086798;"0 49 6A: : 7649B .28.' =7496 =0"0G ;58.0 "4F0<460 205 30=A9D4.@ ;@ "8AD4A6 7CE :0489A6 ' .7 <27C 620 <86 83.05<85D6 C85540D 649=0 4.' 46 F97<9 .28.' .27AB2 28?49B 375 205 60=79D 2A6;89D 8 :54?8.0 =4.4\09 620 <86 .508.0D <4.2 8"" .20 2797A56 DA0 .7 89 ABA6.8* 1 00 ;47B58: 24=8" 97.4=0 73 o "!OO

* 1 ' <7C89 608.0D 79 .20 B57A9D <4.2 8 ="A6.05 73 B58: 06 49 205 "03.' 289D ' 89D 506.49B 205 0";7< 79 8 ;86F0.' 75 ?860 ' 46 .7A=249B <4.2 205 54B2.' 289D 8 B"7;0 8D7590D <4.2 6.856 7?05 <24=2 3795 6C8"" 34BA506 850 <8"F49B &7"D 73 - K '.

9 =7496 73 8D5489 ' 89D 8"67 73 7CC7DA6 73'.20 @085 A =" a ' 9 ' ', N ' 49 =7990=.479 <4.2 8 ?05@ 64C4"85 .@: 0 ' <0 508D .20 "0B09D ' 7960SA09."@ ' ;@ .246 8: : "4=8G .479 73 .20 .<7 D4330509.' 496=54: .4796 .7 790 73 .20 68C0 .@: 0 ' 46 49D4=8.0D .28.' T .20 085.2 <86 6.509B.2090D " ') ½ ;@ .20 $ 3 73 <7C09 =7960SA09.' 79 C85548B06*U 1 . ; ' ?44 ,a *

T 20 3"8..05056 73 7C98 :50.09D0D .28.' 8"" .249B6 <050 7<49B .7 205 20 6.85E;06:549F"0D B"7;0 50:50609.6 .20 #7C89 <75"D ' <24=2 <4.2 205 2A6;89D 0?05A6 620 B7?0590D ' 89D .7 .20 0C:450 73 <24=2 620 D06.4906 205 .<7 6796 ' 858=8""8 89D &0.8 ' <27 ' .7B0.205 <4.2 86 C89@ D8AB2.056 ' 850 .20 :57736 73 205 30=A9D4.@*U 1 ' #86=20 ' 44 ,' :4 ,' :aH>*

' &* 1 ' <7C89 6.89D49B ' 0I.09D6 205 54B2.' 289D 7?05 8 6C8"" 34BA50 6.89DE

H'

' &# H

49B ' ;064D0 205 ' 49 205 "03.' 289D 8 =7CA=7: 460 245D ' ;5866 73 &8""409A6 M 89DA54N*

0=A9D4.@ A60D .7 ;0 86=54;0D 79 =7496 .7 30C8"06 79"@ .' 46 6A5: 54649B .7 349D 205 79 .20 =749 73 89 0C:0575 1 0?09 73 67 0==09.54 89 790 86 &8""409A6 9 .20 C:0548 8;490.' 8.' 40998 .2050 850 .<7 D098544 73 "0189D05 0?0G 5A6 ' <4.2 .20 "0B09D 5 ' ;A. .2050 =89 ;0 97 D7A;.' .28.' .246 50?0560 <86 0557907A6"@ .5896305 50D 357C .20 =7498B0 73 8C608 .7 .28.' 73 205 679 9D 357C .246 =45G =AC6.89=0 4.' ;0=7C06 :57;8;"0 .28.' .20 50?0560 97<' ;0375 0 A6 7AB2.' .7 ;0 506.750D .7 .20 =749G 8B0 73 8"79498 .20 <430 73 &8""409A6* 1 ' M =F20" ' ?44 *N

' &* 1 ' <7C89 6.89D49B ' <4.2 5ADD05 49 205 54B2.' ;8AD ' 89D =759A=7: 400 49 205 "03. &7"D 73 A4:4=4A6 5894A6 9.7G 949A6*

T 20 50?0560 73 .246 =749 M7;605?06 =F20" ?44 > aN C4B2.' "08D .7 8 6A6: 4=479 73 4.6 B09A490G 9066 ' 649=0 M86 8;7?0 50C85F0DN # " ! ' 46 8 "0B09D ' <4.2 790 0I=0:.479 ' 97.' 37A9D 79 .20 =7496 73 0C:05756 ' 89D .20 .@: 0 50:50609.6 ! 0 ' 89D 97.' ! ' A.' 86 4C85D ' <2760 =7:47A6 7;605?8.4796 79 .246 =749 4.' <4"" ;0 89 8D?89.8B0 .7 =796A".' ?7A=206 375 4.6 A9G D7A;.0D 89.4SA4.@ ' 89D ' 97.' 28?49B 600 .20 =749 ' ;049B .2050375 0 A98;"0 .7 7330 5 89@ 85BAG C09.6 79 .20 7.205 64D0 ' 8C ' <0"" =79.09.' .7 8=SA406=0 49 .20 ADBC09.' 73 67 0C4909.' 8 <54.05*U ^ 246 o ' =749 46 ?8"A0D ;@ 479E 90.' 8.' , [' 3589=6*Q

4.7 & # M 0=A9D4.@ 73 .20 C:5066*N 1 246 "0B09D 79 64"?05 ' 89D 79 3456.' 89D 60=79D ;5866 73 8A6.498 .20 @7A9B05 ' <4.2 .20 .@: 0 ' 49 <24=2 8 <7C89 46 50:50609.0D ' 86 49 .20 8;7?0 09B58?49B ' <4.2 37A5 =24"D509 ' 46 .20 3456.' 49D46: A.8;"@ B09A490 =749 ' <24=2 ;786.6 73 30C8"0 305.4"4.@*

T 8A6.498 M7;605?06 =F20" ' ?44 N :57?0D 205 30=A9D4.@ ;0@79D SA06.479 ;@ .20 9AC ;05 73 205 =24"D509 ' <7A"D .28.' 205 34D0"4.@ .7 205 2A6;89D 506.0D 79 86 ="085 0?4D09=0 J 9 .20 8;7?0 =749 620 46 8==7C:8940D ';@ 37A5 =24"D509 ' ;A.' 79 =7496 496=54;0D # '% o ! " '.2045 9ACG ;05 46 49=50860D .7 641 28.' 620 28D C750 .289 641 ' =24"D509 ' C8@ ;0 B8.2050D 357C ' <28.' 286 ;009 8"508D@ 6.8.0D 49 205 ;47B58:2@ 9 =7496 ;08549B .20 "0B09D ! ! ' o ! ' .2050 850 .2500 49389.6*

' # *EEEE ' <7C89 608.0D 79 .20 B57A9D ' 27"D6 7A.' 8 ;589=2 .7<85D6 .<7 "4..0 ;7@6 6.89D49B 9085 205 ' 49

H ' *

49' .2045' ;0DE=28C;05' 89D' <24=2' <209' 8.' .20' :749.' 73' D08.2' .20@ .5896C4..0D' .7' .2045' 69=E =066756*

' &'' * 1 ' <7C89' D58:0D' 49' .20' 6.7"8' 6.89D6' 27"D49B' 8' ;589=2' 49' 205' 54B2.' 89D' .20' "79B' =8D9=0A6' 49' 205' "03.' 289D'' 456.' ;5866' 73' 8D5489' 09B58?0D' 49' :50=0D49B' :8B0' 357C' 8' 3490' 89D' <0""E:50605?0D' 6:0=4C09' 73' .20' .@:0*

' # * 1 246' 50C85282"0' "0B09D' 8::0856' 79"@' 79' 8' 64"?05'=749' 73' 854E 94898' <430' 73' 8"05489A6' 609475'' .6' 8==7CG :89@49B' .@:0' 46' 8' <7C89' 6.89D49B' <27' 27"D6' 49' 205' 54B2.' ;89D' 8' =8D9=0A6' 89D' 49' 205' "03.' 8' =7C9=7:460' 49' .7F09' 73' A94?0568'' :08=0' 89D' .20' 8;A9D89=0' 73' 8"'' .249B6' 8.' 89' 0:7=28' <209' .20' 0C:450' <86' 790' <75"DE<4D0' 6=090' 73' <85' :06.4"09=0' 89D' 38C490X =F;0"L6' 7;605?8.479' 506:0=.49B'.20' =749' 46 1 V ACA6' 0.48C' :57:.05 0:4B58:20C' 8D27=' 49A64.8.8C' 849BA"8546*U' ?4#' H *

' &<38'' * 1 ABA6.' 0"4G =4.@'' 8D5489' ;850' 208D0D' 6.89D6' ="7.20D' 49' .20' .7B8' 27"D49B' 8' B"7;0' 49' .20' "03.' 289D' 89D' 74949B' 246' 54B2.' 289D' <4.2' .28.' 73' .20' B7DD066' <27' 27"D6' 8' 6275.' =8D9=0A6' 49' 205' "03.' 289D* 1' 20' <77DE=A.' 286' ;009' 0I0=A.0D' 83.05' 790' 73' .20' 34906.' 89D' ;06.' :50605?0D' 6:0=4C096' 49' 3456.' ;5866' 73' 8D5489L6' C49.'' 6' 897.205' ?8540.@' 73' .20' 0"4=4.86' .@:0' 67C0' 3.A4."066' :8496' 28?0' 8"67' ;009' .8F09' .7' 86=05.849' .20' :85.4=A"85' .4C0' 89D' 7==8647G' <209' 4.' <86' 6.5A=F' 375' 4.' 0?4D09."@' .@:43406' .20' 0C:0575L6' 8554?8'' 49' 8' =4.@' 75' 8' :57?49=0' .7' <24=2' 0"4=4.@' <0'=7C06' 24C*

' # *EEEE 20' 0C:0575 <4.2' 246' 38=0' .A590D' .7<85D6' @7A' 89D' 49' .20' =796A"85' D5066' 46' 608.0D' 79' 8' "73.@' 358C0E<75F' "$ 1 600' .20' <75DN' <4.2' 208D' 69557A9D0D' ;@' 8' 94C;A6' 89D' .20' 54B2.' 289D' 0"0?8.0D'' 9' .20' 377.6.77'' 46' 496=54;0D' '' <24"6.' 79' 8' "7<05':"8.375C' 46' 608.0D' 8' @7A.23A'' 34BA50' 49' .20' 68C0' D5066' <4.2' 8' ;77F' 49' .20' 54B2.' 289D'' 0G "7<' 850' .20' "0..056' 646'' &7"D'' M 75C05"@' 49' .20' 509=2' 8;490.N'' 4"?05' C0D8""479'' M 89DA54N'' 1 9' 897.205' 6:0=4C09' 4=.75@' <8"F49B' <4.2' "8A50'' ;589=2' 49' 205' 54B2.' 289D' 89D' .57:2@' 49' 205' "03.'' 0"7<' %'' 4"?05' 73' 796.896' '' 49' .20' C:0548'' 8;490.' 8.' 40998*

2' 20' 6A;0=.' 73' .20' 375C0.' 73' .2060' .@:06' 46' ?05@' D43"4=A".' .7' 0I:"849' ;@ 508679' 73' .20' 7;G 6=A54.@' <24=2' 09?0"7:06' .20' 246.75@' 73' .28.' :0547D'' 796A".' .20' 385' 357C' :57;8;"0' =7:0=E .9506' 73' 89DA54' 89D' ' 20"'' 79' .20' .@:0' 73' .20' "8..05'=749*U 1 246' 46' 8"'' .28.' =F20'' 68@6' 50G 6:0=.49B' .2060' .<7' 50?05606* 1 00' ?4'' H*

' # # * 1 9'85=2' 6A:G :75.0D' ;@ .<7' 6:458'' =7"AC96' <4.249' 850' .<7* :8"AD8.0D' 34BA506' 27"D49B' 6:0856'' 9' .20' 0I05BA0' 64# '' 9B58?0D' 49' 4C'' 49D'' M 8;490.' 73' 40998N' :' 4"?'' 4"?05' 73' 796.896*

' * 1 '

* 1 20' 30"4=4.@' 73' .2045' 8B0' 75' 73' .2045'.4C06' <86' 8' =2858=.0546.4=' <24=2' 8' B508.' C89@' 0C:05756' 67"4=4.7A6' .7' 28?0' 8.E"086.' .20' 50:A.0' 73' 4.' 289D0D' D7<9' 49' 8667=48.479' <4.2' .2045' 98C06' 89D' 504B96' 28?0' =8A60D' .7' ;0' 49G 6=54;0D' 79' 67C0' 73' .2045' 34906.' =7496'' C79B6.' ?8547A6' 7.205' 496.89=06' 850' .20' "0B09D' * ' 82 4 ' ??'' g' 8' 749' 73' 8109.4A6' 89D' .28.' 73' '' &'' ' ' 79' 8' =749' 73' 858=8""8'' 9' "4F0' C89905' <0' 349D' % o!"! ' 1<<' 'k ' %' 86' 49' 814E C489' 89D' 796.896* 1 % o!"! ' ! # *!!' 75' # # ' 86' 49' 24"4:*1 % o!"! ' # *.' (2 1 ' 86' 49' 796.896' M=4.0D' 49' .20' :50=0D49B' 97.4=0N' 8"67' 49' 8B909.4446' =* 1 % o!"! ' (1 4 ' 46' .7' ;0' 37A9D' 79' =7496' 73' 9AC057A6' 7.205':549=06' 357C' 06:86489' 89D' 4.A6' D7<9G <85D6' .7' 8"05489A6' 609475' =* 1 % o!"! ' 1<1 ' 86' 79' .20' B7"D' 89D' "85B0' ;5866' 73' 8D5489* 1 ' .2060' D4330509.' 0:4B58:26' 850' 4""A6G .58.0D' 506:0=.4?0"@' 79' 08=2' 50?0560' ;@ ?8547A6' 6@C;7"6' ?4\'' ;@ 8' B8""0@' .7' D097.0' .20' =7A560' 73' :576:057A6' 98?4B8.479' 75' 8' B77D' ?7@8B0' ;@ 37A5' ;7@6' 64B943@49B' .20' 28::@ 8;A9D89=0' 73' .20' 37A5' 6086796' 73' .20' @085' M60D' * ' ! A' ;@ .20' 7"4?0' ;589=2' 89D' .20' =8D9=0A6' 86' 6@CG ;7"4\49B' .20' C06609B056' 73' :08=0' 89D' 8C4.@' "86."@' 89D' 97.' A9350SA09."@' ;@ 34BA506' 73' 4=G .75406' 86' 8..06.49B' .206E38=.' 73' 8' <85';57AB2.' .7' 8' 6A==0663A'' =79="A6479*

' * 1 A""E38=0D' ;Ag.' 73' 7C98' ;0.<009':5734"0' 208D6' 73' 858=8""8' 89D' &0.8'' &7"D' 73' '' 0?05A6'' M 00' =F20'' ?44'' ,a'' 9B58?0D' 49' F05C89' '' :4'' ?44'' 7'' N'' ' C4DD"0';5866' 73' .20' 68C0' 0C:0575' 0I24;4.49B' .20' 68C0' "0B09D' 286' 375' 4.6' .@:0' .2500' "0B8.0D' 34BA506' 608.0D' 89D' 8' 37A5.2' 6.89D49B' 79' 89' 06.58D0* 1 9B58?0D' 49' 8?05=8C:' ') ' '

' # * 1 20' 0C:0575' 49' .20' .7B8' 608.0D' 49' 8' =A5d"0' =2845' 89D' 27"DG 49B' 8' B"7;0'' 4=.75@' 357C' ;0249D' :"8=49B' 8' "8A50'' =57<9' 79' 246' 208D'' 9' .20' 7::764.0' 64D0' 850' .<7' 30C8"0' 34BA506' D58:0D' 89D' 6.89D49B' 790' 73' .20C' 27"D6' .20' '+ 1) * 1 '' '' + '' &'' ' G ' &'' #' &'' A6.6' 38=0' .7' 38=0' 73' 0?05A6' "0I89D05' 89D' 73' 246' C7.205' 8C.08'' &7"D' C0D8""479'' 9B58?0D' 49' 47990.' 4'' H[a'' ^ ' ;08A.43A'' <75F' 73' 85.' ;A.' 49' <24=2' "0I89D05' "77F6' C750' "4F0' 89' 0C:50W' .289' 89' 0C:0575*0 2050' 46' 8' 60=79D' ;5866' 73' .20' 68C0' 504B9' 28?49B' .20' 50?0560' .@:0' 8;7?0' D06=54;0D' ;A.' <4.2' .20' 208D' 73' "0I89D05' 8"790' 79' .20' 7;E '' # * 1 ';86F0.' 3A"'' 73

H >

C7D059 34 50E208D 89D 50:50609.0D .20 .9.0"84@ :57.0=.75 .7 <27C 86 <4.2 .20 C7D059 0D4G .05589089 684"756 .20 624: <86 D0D4=8.0D 2050 850 64I 64..056 49 8 "490 20"7< .20 :4"7. 89D .20 5ADD05 46 :57 0=.0D .257AB2 .20 A::05 <75F6 73 .20 SA85.05*U) : , , 7 ="?44*

&* ' * * * * * * "!) '# $ ' ' ' ' 1 456. ;5866 73 A=4A6 05A6*

T "85B0 :50.75489 B8""0@ <4.2 .20 0C:0575 50="4A49B A9D05 .20 + ^75 7598C09. 73 .20 6.059 2050 850 64I 57<056 89D 79 .20 3750=86."0 46 8 C86. 58F49B 375<85D6 <4.2 8 684" A:79 4. 620<49B .28. .20 ?0660" 46 B749B <4.2 .20 <49D 83.*1 9 .20 <75F 73 8@.496 é * 6 í .20 684" 46 50:50609.0D 86 8 ;89905 ;A. 2050 4. 46 A9A6A8""@ "85B0 508=20D ;09. .7 790 @85D 89D 6200.0D 27C0 .7 897.205 8AD =05.849"@ 86646.6 49 :57:0""49B .20 ?0660"*1 246 C0D8" M8DD6 8:. C@.2N <86 6.5A=F 8 , H 375 .20 6830 98?4B8.479 89D 28:.@ D0"4?056 89=0 73 05A6 3.7C .20 :054"6 73 608 89D <85 A. 496.08D 73 ;049B 8. .20 208D 73 246 85C@ .20 "AIA547A6 :549=0 .77F .28. 7::75.A94.@ 73 ?464.49B &500=0 49 8 ?0660" C8B9434=09."@ 8D7590D 89D 3504B2.0D <4.2 C4C06 89D CA64=4896 é 0 C8D0 246 ?7@8B06 .7 7549.2 89D .7 .2096 M68@6 .20 7C89 246.75489N 8C4D6. 679B6 89D 6@C:279406 89D 8. 08=2 73 .20 C76.:=0"0;58.0D =4.406 73 648 8C:2@"48 89D 4"4=48 20 6A3G 3050D 24C60"3 .7 ;0 D0.8490D ;@ 246 :8664796 86 8 ?7"A:.A85@*Ł U 1 * ' ' : ' 7 ==\"4I?* &* * * * * * 624: <4.2 C89@ 57<056 79 67C0 6:0=4C096 0:.A90 6.89D6 79 .20 :57<* >9D ;5866 73 * A50"4A6*

246 =749 605?06 8DC458;"@ .7 4"""A6.58.0 .20 0I:50664796 73 8:4.7"49A6 M02* > 4AO"*N 49 5030509=0 .7 .20 50.A59 73 A50"4A6 ;@ 608 357C .2096 .7 #7C0 T #0.A5949B .7 .8"@ 49 8 ?066 60"" 20 C0. <4.2 8 ?47"09. 6.75C*U 46 06=8:0 357C .246 D89B05 46 .20503750 8..54;A.0D 79 .2060 =7496 $ 20 68C0 .@:0 46 8"67 .7 ;0 6009 79 =7496 73 7CC7DA6 73 .20 @085 * * , <4.2 .20* "0B09D % O!"! ! 4 2 ;A. 4. 46 8"67 89 06.8;"4620D 38=. .28. 7CC7DA6 <86 .20 =7C:89479 73 A50"4A6 49 .246 ?7@8B0 89D :054"* 1 =F20"? ?44* * 20 B4 0@ <86 .20 .@:0 73 .20 #7C89 #0G :A;"4=*

75 67C0 50C85F6 79 .20 6A;0=. 73 98?8" 85=24.0=.A50 89D 0SA4:C09. A9D05 .20 #7C896 600 # # * # K *1 20 0C:0G 575 608.0D 79 8 =A5A"0 =2845 :"8=0D 79 8 .<7 7.205 34BA506 6.89D49B 79 08=2 64D0 73 24C* . .20 377. 73 .20 .54;A98" 850 .<7 F900"49B 34BA506 27"D49B A. 2045;89D6* 9 .20 0I05BA0 &7"D 73 796.89.490 .20 &508.* 796.89.490 86646.0D ;@ .20 .<7 806856 246 6796 796.89.490 A9475 89D 546:A6 46 2050 64..49B 79 .20 ADBC09. 608. 8AD 8::0856 86 8;7A. .7 D0=4D0 <4.2 246 A6A8" 60?054.@ .7<85D6 =79SA050D 98.4796 79 .20 38.0 73 .20 ! 89D .20 7?05 <27C 546:A6 B8490D .20 ?4=.75@ H> 89D <27 850 :056794 40D 86 F900"49B 6A::"4=89.6 4C:"7549B .20 0C:0575 :85D79 89D C05=@*1 246 0"0B89. =749 46 09G B58?0D 49 8 "89. ++ 6 5* 444* :* *

&* 20 ;A6.6 73 4=.75@ 89D 08=0 64D0 ;@ 64D0*1 1) *1 : :* 7 20 ;A6.6 73 76.9C96 89D 05G =A"06 64D0 ;@ 64D0 ;7.2"89508.0D* &7"D C0D8"G "479 73 76.ACA6* M 8"A0D 8. ,> 3589=6 ;@ 47990. 49 <2760 6 = =* 44* [a 4. 46 0I SA464.0"@ 09B58?0D*

K089 546.89 49 B4?49B 8 3845"@ 8==A58.0 D0G "4908.479 73 .246 ?05@ ;08A.43A" C0D8""479 D0G 6=54;06 4. 86 0I24;4.49B A"06 334B406 DA 76.AC0 :k50 $ =L1 49 7.205 <75D6 .20 208D6 73 76.ACA6 609475 89D # 7 1 28. 89@ <54.05 "4FO 24C60"3 <27 <4.2 8 :57909066 49D0OD .7 49DA"BO 49 .20 389=43A" .20 =79 0=G .A58" 89D .20 D46=A564?0 D46:"8@6 90?05.20"066 8 :5737A9D F97<"0DB0 73 C@.27"7B@ 89D 73 89G =409. 246.75@ =7C;490D <4.2 990S94?7=8" :57736 73 =8:8;4"4.@ .7 375C A6. =79="A64796 357C 9AG C46C8.4= C79AC09.6 1 .28. 6A=2 8 <54.05 627A"D 28?0 38""09 49.7 89 05575 73 .246 675. 46 97. 8 "4.."0 0I.5875D4985@* 0 286 D790 67 27<0?05 97. 79"@ 49 .20 :50609. 496.89=0 ;A. 8"67 .<7 7.2056* M 00 = =* 444* ,H :"8.06 7* , 89D , :4* 7* , N* (28. 8DD6 .7 .20 8:::8509. 6.589B09066 73 .20 28""A=498G .479 46 .28. 246 894C8D?0564796 79 0?09.6 =79G 90=.0D <4.2 .20 504B9 73 76.ACA6 ;085 4CG C0D48.0 5030509=0 .7 C89@ 73 .28. 0C:0575L6 =7496 79 <24=2 .20 <27"0E"09B.2 34BA50 73 05G =A"06 46 50:50609.0D 04.205 467"8.0D"@ 75 49 8667G =48.479 <4.2 246 7<9* 2060 .20 <75.2@ T U F F N 286 4"""A6.58.0D <4.2 <0 ED064B90D 09B58?49B6 ;@ .20 ;A549 73 4=85. 89D 357C .2060 4. 46 0?4D09. .28. B508. :549=0 89D =79SA0575 86 20 <86 1 C:0575 89D ABA6.A6 49 8"" ;A. 6098.7548" 50=7B94.479 1 76.ACA6 "4FO 7.205 6A==0663A" 67"D4056 73 375.A90 89D 73 7;G 6=A50 ;45.2 493"8.0D <4.2 .20 54D0 73 246 ?40E

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8D750D' 88' 8' B7DD068' ;@ . ;'0' #7C896 ' 8==75D49B' 47' 4=057 ' 8=.8A.4A6 ' 89D' 7.2056# .. 4A6' 8"8E' .4996' D0D4=8.0D' .7' ! ' 8' .0C : "0 ' 9085' .28.' 73' KA : 4.05 ' <2050' 620' 28D' : 5406.6' 89D' 68=5434=06' : 0=A"485' .7' 205' <75624 : # * 9' D0985444' 7.' .20' 4=4948' 89D' 7.205' #7C89' 38C4"406 ' 205' 208D' 8 : G' : 0856 ' 67C0.4C06' =57<90D' <4.2' 7"4?0 ' 86' .20' : 50605?05' 73' : 08=0 ' 8.' 7.2056' 8D7590D' <4.2' "8A50" ' 86' .20' BA8589.00' 73' ?4=.75@# 20' .@ : 0' 73' .20' 68C0' D4?494.@ 0I2424.8' 4.60"3' 49' ?8547A6' <8@6' 79' 4C : 0548# =7496# 6' 54 ' M.20' B7DD066 0560"3N' .20' 34BA50' 79' 8' =749' 73' "8AD4A6' &7.24=A6' 46' .28.' 73' 8' <7C89 ' <4.2' 8' 6 : 085' 49' 205' "03.' 289D* 1 ' 6' ' ' 620' 8 : : 0856' 79' 8' "85B0' ; 5866' 73E "7.498* 1 6 %! ' & 3 ' 620' 6.89D6' 27"D49B' 8' =759A=7 : 4.0 ' 79' 64"?05' 73' 8I4C489A6# 7C0.4C06' .20' .@ : 0' =79646.6' 73' .<7' 54B2.' 289D6' 7490D' 75' <4.2' 8' =8DA=096' 89D' .<7' =759E0856 ' 20"D' 2@ .<7' 54B2.' 289D6 ' 75' <4.2' 8' C24.85@' 6.89D85D' 20"D' 2@ .<7' 54B2.' 289D6 ' ; A.' .209' <0' 508D' %! ' # $ 0 ! " ' 86' 49' 4.A6' M : # , aN ' 75' ' + 4 ??A ' 86' 49' "85B0' ; 5866' 73' 4.0"G' "496 ' 89D' 8"67' 86' 49' 05?8# 9D' 49' .28.' =860' .20' .<7' A94.0D' 289D6' <050' C089.' .7' 6@CG ; 7"4\0' .20' B77D' 384.2' 89D' 34D0"4.@ 73' 67"D4056' 89D' : 07 : "0' .7' .20' 504B949B' : 549=0 ' 89D' 97.' .7' 50G : 50609.' ! ' 49' 205' SA8"4.@ 73' B7DD066# I8CG : "06' 73' .20' "8..05 : F49D' 850' 8"67' .7' 20' 379AD' ' =7496' 73' 8" ; 49A6 ' 89D' A : 409A6*

20' .@ : 0' 73' 8' D58 : 0D' 30C8"0 ' 27"D49B' 49' 205' 54B2.' 289D' 790' C4"4.84@' 0964B9' : "89.0D' A : 54B2.' 79' .20' B57A9D ' 89D' =855@49B' 897.205' .5896G ?0560"@ A9D05' 205' "03.' 85C ' 8==7C : 89406' .20' "0B09D' " " $ ' 6 $ " ! ' 79' B7"D' 73' "8AD496K # M600' : # >, *N

' & 8# ' ! 3 1 &77D' 84.2' 6.89D49B ' 27"D6' 49' .20' "03.' 289D' 8' ; 86FO.' <4.2' 35A4.' 89D' 49' .20' 54B2. ' 0856' 73' =759# 9' .20' 340"D' F ' ' 1 1) ' ' &4 .7' B i ! ' # # M "7.498' AG' BA6.8' ^<4300' 73' .20' C : 0575' 58 89N# A6.' 73' .20' 0C : 5066# 456.' ; 5866* 1 20 8 ; 7?0' 09B58?49B' 46' 83.05' 8' =86.' 357C' 8' 50C85F8 ; "@' 3490' 6 : 0=4C09' 49' .20' 54.462' A60AC*

246' =749' 46' 790' 8C79B' 7.205' =79?49=49B' : 57736' 73' .20' 24B2' 06.00C' <4.2' <24=2' 58 89' 2797A50D' .20' 0C : 5066 ' <4.2' <2760' 98C0 ' 86' 246' <430 ' 20' 2050' 8667=48.06' .20' : 05679434=8.479' 89D' 8..54 ; A.06' 73' 4D0"4.@# 28.' 0C : 0575 ' 49D00D' 8"<8@6' C894G 306.0D' .20' B508.06.' 506 : 0=.' 375' .20' ?45.A06 ' 89D' .20' A.C76.' =793#D09=0' 49' .20' .8"09.6 ' 73' "7.498 ' .7' <27C' 20' 09.5A6.0D' . ;' 5049' 73' B7?059C09.' <2090?05' 20' 60.' 7A.' 375' D46.89.' 0I : 0D4.4796# 9' .20' 7A590@ ' 27<0?05' DA549B' <24=2' 205' 2A6 ; 89D' H

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<86' 8..8=F0D' ; @' .20' C8"8D@' 73' <24=2' 20' D40D' 8.' 0"49A6' 49' 4"4=48' 620' 8077C : 8940D' 24C4' 89D' ; 57AB2.' 246' 86206' .7' #7C0* 1 00' # ! ' ' # # # # # #" # + ' ' # # # # 20' 0C : 0574' 7CC7DA6' 89D' 246' : 50.75489' : 5030=. ' *W.89D49B' .7B0.205' 74Z' 8' ' 49' 3579.' 73' 60?058" 67"D4056 ' <08549B' 6240"D6' 89D' =855@49B' C4"4.85@ 0964B96# ' ; 5866' C0D8""479' 7.' 0I=0""09.' D064B9' 2%,' 38 ; 54=' 09G' B58?0D' 49' 84' 89.' 4.6 ' ' 1 + ' : # > ' 97<' 49' .20' ') ' ' ! ' ' + # * 1 20' 0C : 0575' M&75E' D489A6' 496N' 49' 8' C 4.85@ 28 ; 4. ' 89D' A : 54B2.' : 76.A50 ' 46' =57<90D' ; @' 4=.75@' 357C' ; 0249D' 8.' .20' 68C0' .4C0' .28.' 20' 7496' 6' 54B2.' 289D' <4.2' .28.' 73"8 67"D.05# 9' .20' "7<05 : 85.' 73' .246' 64"?05' C0D8""479' 850' .20' : 05679434=8.479' 73' .<7' 54?056 ' 608.0D*

2060' 54?056' 64B943@' 067 : 7.8C48' M86' C8@' ; 0' 6009' 49' .20' <0""EF97<9' =749' 73' 58 89 ' 496=54 ; 0D' ' ' + ' ' + ' ! ' * ' %' <2050' "8A50"6' <050' B8490D' ; @' .20' #7G' C89' 375=06 ' DA549B' .20' 504B9' ; 3' .20' .245D' &75G' D489' ' 79' 7.205' =7496' 73' .28.' 0C : 0575' .20' A9' 8 : : 0856' 49' 8' SA8D54B8 ' ; @' <24=2' 46' .7' ; 0' A9D05G' 6.77D' .28.' .20' 86.' 28D' @40"D0D' .7' .20' 4C : 054E8" "0B4796' M =F20" ' ?44# H, M4=1 ' 64C4"85' .@ : 0' .7' .20' 8 ; 7?0 ' <4.2' .20' 8DD4.479' 73' .<7' C4"4.85@' 09G' 64B96 ' 46' 6.5A=F' 79' 8' 64"?05' C0D8""479' 73' &8"E' "409A6 ' 79' <2760' =7496' .20' 0 : 4B58 : 26' 73' ! ' , ' ! ' , 0 ' ! ' ! ' 850' 8"67' .7' ; 0' 37A9D ' .7B0.205' <4.2' 8' 9AC057A6' 605406' 73' , 4

' + * 1 ' <7C89' 6.89D49B ' <27' 27"D49B' 49' 205' "03.' 289D' 8' 5ADD05' 50?0560D ' : 50G' 609.6' 8' B"7 ; 0' .7' .20' 0C : 0575# 246' 0 : 4B58 : 2 ' SA7.0D' ; @' 8ADA54 ' 86' 357C' 8' ; 5866' C0D8""479' 73' 57 ; A6 ' 46' A9A6A8"' 89D' .4""# .246' 496.89=0' M68@6' =F20" ' ?44# [N ' A9F97<9' 79' =7496* 1 ' 09=0375<85D ' 75.A90 ' 49' D0"4?0549B' .20' 0CG' : 450' .7' 57 ; A6 ' 620<6' .28.' 620' 28D' 50 : 760D' 49' 24C' "$ ' ? .20' B508.06.' =793#D09=0*

' # 75' # 75' * 1 k ! ' 1 .20' 34D0"4.@ 73' .20' 67"D4056N* 1 ' 246' 0 : 4B58 : 2 ' <24=2' 3456.' 8 : : 0856' 49' .20' C49.' 73' 8=549A6 ' =79.49A49B' .7' &8""409A6' M600' 8 ; 7?0' =A.' 357C' 8' B7"D' 6 : 0=4C09N ' 46' 37A9D' 7==A5549B' A9D05' 9085"@ 08=2' 6A==0664?0' 504B9' D7<9' .7' 79G' 6.89.496' 2"75A6' 89D' 8109.4A6# 7' .246' C4"4.85@' "0B09D' 46' 67C0.4C06' 8DD0D' # 75' && ' 75' && # ' # .6' 8==7C : 89@49B' .@ : 0' 46' B09058""@ .20' D58 : 0D' 34BA50' 73' 8' <7C89 ' 67C0G' .4C06' 6.89D49B ' 67C0.4C06' 608.0D ' ; A.' 8"<8@6' 27"D49B' 790 ' 89D' A6A8""@ .<7' C4"4.85@' 0964B96 ' 75' 67C0' 7.205' 50 : 50609.8.479' 73' .20' 6.89D85D6' 89D' 08B"06' 73' .20' #7C89' 85C406 ' 86' 49' 85808"48 ' "8B8 ; 8"96 ' &75D48976' 4A6 ' 76.AC76 ' 8I4E' C489A6 ' =# =*

8A6.498 ' 20A=0 7CC7DA6 46 8"67 508D &0.8 850 97.0D 79 .2045 =7496 08=2 " 44 C08949B .20 679 73 0 : .4C4A6 0505A6* 6 ' 8==75D49B .7 =796.89. ' A68B0 ' .20 D7A;"0 64BA4 06 .<7 C : 05756 75 67 814C49A6 8\8 89D 796.89.4996 850 .2A6 =8"" 0D 79 =05.849 =7496 20@ 850 D097C498.0D 904.205 975 0 975 .' ;9. 246 90<' .4."0 <86 4C 50660D 79 .20 C49.8B06 73 .2760 .<7 :549=06 8 9 H M86 4. 8 : : 0856N ' A9D05 .20 37""7<49B =45=AC 6.89=06 1 814C49A6 8\8 49D4B989. 8. .4ADE 49B .20 .4."0 73 ABA6.A6 =7930550D ;@ &8"054A6 814C489A6 79 4=494A6 246 A9475 49 589F <24"0 20 24C60"3 <86 D0940D .20 2797A5 09D08G ?7A50D .7 7 ; .849 .20 68C0 D46.49=.479 ;@ 67C0 =7C : 8=. 75 7.205 8?7<49B 24C60"3 .450D 73 .20 98C0 73 80685 89D =7C : "8494B 73 ;049B <579B 0D 49 28?49B 79"@ .20 .245D 589F 49 .20 0C : 450 8664B90D .7 24C 8"054A6 814C489A6 49 ?849 A5B0D 24C .7 8=SA406=0 49 .20 85589B0C09.6 20 ;8D C8D0 .' "09B.2 &8"054A6 @40"D4B9 .7 .20 7 ; 6.498.0 4C : 75.A94.406 73 4 814444 9A6 ; 9. 8. .20 68C0 .4C0 A9<4""49B .7 50.58=. <28. 20 28D D790 4A 38?7A5 73 4=494A6 6A6 : 09D0D .20 .4."0 73 4=685 89D 50605?49B .28. 73 ABA6.A6 01="AG 64?0"@ 375 24C60"3 89D 375 4=494A6 B8?0 .7 814 C4CA 89D .7 796.89.4996 .20 98C0 73 $ ', + M 9B96.75ACN* 1 20 =79="ADG 49B <75D6 73 8=.89.4A6 49 50"8.49B .20 0?09. 850 1 V 4=.A6 =79.A588=42 .7""4. 60685AC 97C0A 60 4=4A4ACSA0 44BA6.76 8 : : 0""8. 814C49AC 0. 796.89.49AC 4"476 ABA6.75ACN*U 1 @ 6A : G : "@49B 86 .20 97C498.4?0 .7 .20 <75D 4 M86 286 ;009 D790 ;@ 8"A\0 <2760 508DG 49B 46 6A : : 75.0D ;@ 4C85D 89D 8 : :57?0D 73 ;@ =F20"N 8""4 D4334=A".@ 49 W9.05 : 50.49B .20 : 86G 68B0 46 50C7?0D 89D .20 C0894 9B .2A6 509G D050D =0"85 46 3A""@ =79345C0D ;@ =7496 .28. 28?0 =7C0 .7 "4B2.* 1 60=79D ;5866 <24=2 ;0856 79 790 64D0 .20 "8A508.0D 208D 73 814C49A6 <4.2 .20 "0B09D 0124 ; 4.6 79 4.6 50?0560 .20 6.89D49B 34BA50 73 .20 0C : 05756 B094A6 27"D49B 49 790 289D 8 : 8.058 89D 49 .20 7.205 8 =759A=7 : 48 57A9D 4.' 46 508D & 4 79 897.205 C4DD"0 ;5866 73 814C49A6 4.' 46 46 1 2050 46 8"67 <4.2 .20 68C0 .@ : 0 '8 =749 73 796.89.490L6 857A9D <2760 208D =57<90D <4.2 "8A50" 46 89D 79 .20 50?0560 <4.2 7.205 64C4"854.406 67 86 .7 "08?0 97 D7A ; .' ;A. .28. .2060 =7496 <050 6.5A=F 8. .20 68C0 .4C0 89D :"8=0 T 7< M68@6 4C85D 49 246 8997.8G .4796 79 K7 ; 05.N 649=0 79 .20 50?05606 73 .20 =7496 <205079 814584G 89D 796.89.490 850 =8""0D F $ <0 349D 49D4330509."@ 1 89D 1 4.' 46 98.A58" .209=0 .7 =79="AD0 .28. .20 90<' .4."0 =508.0D ;@ &8"054A6 814C489A6 : 85.77F 0SA8""@ 73 .20 .4."0 73 C685 89D 73 .28. 73 ABA6.A6 .77F 79 7906 <24=2 A: .7 .28. : 0547D 28D ;009 F97<9 49 .20 0C : 450*U 2050 <86 49D00D 8 .4C0 <209 .20 8 : : 0""8.479 73 ! <86 49305475 .7 .20 8 : : 0""8.479 73 ABA6.A6 .77F 79 246 =7496 .20 98C0 73 79 73 KA"4A6 8496 89D H >

A=4A6 6796 73 B54 : : 8 28D ;@ .2045 B589DG 38.205 ABA6.A6 .20 .4."0 =7930550D A : 79 .20C0 73 4"44 ABA6.4 49 75D05 .28. 246 8D7 .479 73 .20C C4B2. ;0 C8D0 F97<9 .7 .20 <27"0 <75"D* 4 ; 054A6 =8""0D 24C60"3 T ABA6.4 4"4A6*U 1 4.A6 89D 7C4.489 <050 8""7<0D .20 8 : : 0""8.479 73 T 796 73 06 : 8648986 ABA6.A6 U 1 A=4A6 05A6 DA549B .20 "430 73 9.7949A6 4A6 28D 97 7.205 D46.490.479 .289 .7 ;0 =8""0D ! 8A6.498 A9475 8"67 89D A=4""8 <050 =8""0D ! A. M86 4C85D 7 ; G 605?06N T 49 8"" .2060 =8606 .20 98C0 73 F $ C85F6 64C : "@ .20 ; 45.2 75 8D7 : .479 73 .2760 : 549006 .' <86 97. 8 .4."0 73 D4B94.@ 4. B8?0 .20 589F 73 m685 904.205 .7 A=4A6 05A6 975 .7 99496 05A6 9 .20 =860 73 814 C49 89D 796.89.490 79 .20 =79.585@ .20 .4."0 73 `. & # <86 8 90<' D4B94.@ 89D 8 589F 6A : 05475 .7 .28. 73 .20 r 6856*U 7 =7C : "0.0 .20 : 57736 79 <24=2 .246 7 : 49479 46 37A9D0D .20 68C0 8=A.0 89D : 5737A9D 9AC46G C8.46. 286 8990I0D .7 246 50C85F6 .20 09B58?G 49B 73 8 C0D8" <24=2 =05.849"@ .257<6 B508. "4B2. A : 79 .20 6A ; 0=. 49 SA06.479 .' 46 8 C4DG D"0 ; 5866 79 <24=2 796.89.490 A94.06 .20 98C0 73 F $ <24=2 20 D054?0D 357C 246 ; 45.2 8"790 .7 .20 .4."0 73 F $ 0 <24=2 &8"054A6 814C489A6 28D =7930550D A : 79 24C 57A9D .20 208D 73 796.89.490 =57<90D <4.2 "8A50" <0 508D %o ' o ' " % 9 .20 50?0560 <24=2 0124G ; 4.6 .20 75D4985@ .@ : 0 73 .20 B094A6 73 89 0CG : 0575 850 .20 <75D6 & ! %!o & M 7 .20 &094A6 73 .20 79 73 .20 % / 8 .4."0 97. 498 : : 57 : 548.0"@ B4?09 .7 89D 8==0 : .0D ;@ 79G 6.89.490 M83.05<85D6 0C : 0575 89D =8""0D .20 &508.N <2760 38.205 796.89.496 2"75A6 89D <2760 B589D38.205 ;@ 8D7 : .479 814C489A6 05E =9"096 28D ;009 : 89D .20 C : 0575 "8AD4A6 6A598C0D &7. ; 4=A6 <86 790 73 246 89=06.756* 1 M 4C85D 8D K7 ; 05. 44# H .7 H > 7# 1 00 .20 <27"0 73 .246 "AC497A6 8997.8.479N* * 1 C79B6. .20 #7C896 2 D8AB2.05 <86 97. 8"<8@6 =8""0D 83.05 .20 + 73 205 38.205 / 375 018C : "0 "0509948 .5A6=4""8 D89B"05 73 M.20 0C : 0575N %# 0664A6 58 89A6 0=496 97 : 8.0598" 98C0 28?49B ;009 .8F09 375 205 <86 =8""0D 83.05 .28. 73 205 C0 7.205# 20 D8AB2.056 73 0C : 05756 850 79 67C0 =7496 6.@"0D : .' 79 7.2056 .28. 8 : : 0""8.479 46 7C4..0D# 2A6 8A6.498 A9475 46 67C0.4C06 508D & ! : 44 8. 7.205 .4C06 % ! & ' #!!' &# * 1 9 "4F0 C89905 KA"48 .20 D8AB2G .05 73 4.A6 46 9AC46C8.4=8""@ 6.@"0D 04.205 & & * 1 5 # # # & 89D 8"67 C ?4 ! !' %!O! * # # : 8"C .500* 1 456. ;5866 73 05?8* 1 00 4? 4=4* " % .20 3456. <430 73 207G D764A6 .20 &508. ; 759 49 849 D8AB2.05 73 9.79496 : 5030=. 73 &8A" 620 <86 =0"0 ; 58.0D 375 205 : 40.@ 89D 375 205 ;090?7"09=0 .7 .20 : 775# 5=8D4A6 89D 7975476 <050 205 6796 ;@ .20 8 ; 7?0 98C0D 0C : 0575 <27 C85540D 205 ;0G 3750 246 8==066479 .7 .20 4C : 0548" .25790# 20

=75D49B' .7' 8=.89.496' 89D' 7.205' <54.056N =85G 540D' .7' .20' 24B206.' :4.=2# T' 8C' :500.05 ?05E ;75AC' "4=0A.48C ' 9AD8;89.A5 3"8B4.89.0' :7:A"7 C050.54=06' S760' 6:0=.8.7506' 4C:AD4=48' C7.4;A6 D0.490509.*U' P;46' 306.4?8"' <86 350SA09."@ F0:.' A:' ;@' .75=2E"4B4.' <209' 4B2.' "09.' .7' 49D0=09=@ 73' B06.A506' 205' 84D' .7' =796ACC8.0' 4.6' :57?7G =8.4?06' ;@ D00D6' 73' D0;8A=205@*

* *1 246' 0:4B58:2' 8::0856' 79' 8' D09854A6' 73' .20' 05?4"48' B096' <4.2' .20' .@:0' 73' 8' <7C89L6' 208D' 28?49B' 90=F"8=0' 89D' 0856 549B6' .20' 2845' ;049B' 8D7590D' <4.2' 3"7<056* 1' 2050' 46' 8' ';0249D' .20' 208D#' 9' .20' 50G ?0560' <0' 508D' =*' * $!0' " ' %' 9D' .20' .@:0' 50:50609.6' .<7' <8554756' 49' 6275.' C4"4.85@' D5066' <4.2' ;54CC0D' =8:6# 20@ 6.89D' 7::764.0' 08=2' 7.205' 27"D49B' 6240"D6' 79' .2045' "03.' 85C6' 89D' 74949B' .2045' D58<9' 6<75D6' 24"." 89D' ;"8D0' .7B0G .205' 86' 49' .7F09' 73' =7930D058=@ 75' 8'"489=0*

246' 3490' 64"?05' =749' 286' :50609.0D' 97.' 8' 30<' D4334=A".406' 49' .20' <8@ 73' =7550=."@ 0I:"84949B' 4.6' "0B09D6' 89D' .@:06# 20' D4330509=0' 73' 7:49479' 8C79B6.' 9AC46C8.46.6' 46' 75' 58.205' 286' ;009' 86' .7' .20' 3456.' 496.4.A.479' 73' .20' ! ' ==75DG 49B' .7' 0""04A6' 8.05=A"A6' .20@ =7CC09=0D' 49' .20' @085' 73' #7C0' [, ' 9$ ' " ' > N' # 052?4"4A6' ;049B' .20' 50:A.0D' 754B498.75' 73' .2760' 306.4?8"6# =F20" SA7.06' 86' 8' ="A0' .7' 86=05.849' .20' D8.0' 73' .20' 0?09.' 8;7?0' 8""AD0D' .7' .20' 37""7<49B' :866 68B0' 357C' ?4D' " 8 ' ?" H> N/1

79?09 50' :8.406' 0.' 64' ;090' 3"7508.' 89996 8C494;A6' 976.546' M "7580N' 899A8' 306.8' ?7?09." D9A4CA6' ?7.7# 796A" =AC' =7967"0' "AD76 A6.AC47' 80986' :0567"A050' C424

^ 20' 8.2056' 850' 8660C;"0D' 89D' 43' .20' @085' 286' :57?0D' 8;A9D89.' 49' 3"7<056' .20@ ?7.0' 89' 899A8" 306.4?8"' .7' C@ B7DD0666E624:# ' 97D' C@ 8=SA406=09=0# 76.AC496' 89D' 80986' .20' =796A"6' 28?0' =85540D' 4.' 49.7' 0330=.' ;@ =0"0;58.49B' B8C06' 375' C0' " ' ' 375' C@ 68.4638=.479' 75' 2797A5NQ# P 20' A.275' 73' . ' B706' 79' .7' 7;605?0' .28.' .20' 3750B749B' SA7.8.479' 357C' ?4D' 600C6' .7' ;0' 8.' ?85489=0' <4.2' .20' 6.8.0C09.' 73' 0""04A6' 649=0' .20' =796A"8.0' 73' # 76.AC4A6' ";49A6' 89D' # 7:4"496' 80986' .77F' :"8=0' 49' [,' M # =# , HN# A.' 20' 68C0' :70.' 286' 0"60<2050' 684D' .28.' .206'0 ! ' ' 28D' 38""09' 49.7' 90B"0=.' <24=2' .20' B7DD066' 28D' 50609.0D' ;@ 8""7<49B' 205' :57DA=.479'6' .7' ;0' ;"4B2.0D' 89D' 49' =7960SA09=0' 73' .28.' =8"8C4.@' ;@ 8' D0=500' 73' .;0' 098.0' "7 %' 49' [,' 899A8" 89D' :05:0.A8" =0"0;586 .479'6' 73' .20' ! ' <050' ?7.0D*

20' 4938C406' =7CC4..0D' 8.' .20C' ;0=8C0' 27<G 0?05' 67' 50?7".49B' .28.' 8.7' .20' =09675' ;049B' 790' D8@' :50609.' 49' .20' .208.50' 8' 35409D' 50C85F0D' .7' 24C' .28.' .20' :07:"0' 0C;8558660D' 8.' 60049B' 24C' .2050' D850D' 97.' =8"" 8==75D49B' .7' =A6.7C' 375' .20' :A;"4=' D46:"8@ 73' C050.54=47A6' D0:58?4.@*

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9D' .246' B508.' #7C89' 67' B58?0' 89D' 67' 60?050' 28D' .20' =7C:"84689=0' .7' 50.450' .28.' 20' C4B2.' 97.' 49.055A:.' .20' A9;54D"0D' "4=0960' 73' .20' :07:"0' 975' 79' .20' 7.205' 289D' :7""A.0' 246' 0@06' <4.2' .20' 64B2.' 73' D4675D056' =7CC4..0D' 8.' 6=Z' 6:0=.8="06# 20' :07:"0' 4.' 46' 8DD0D' 8::50=48.49B' .246' 86' 8' =79=06647G' .7' .2045' ?4=47A6' .86.06' ;06.7<0D' 8' .27A689D' :"8AD4.6' A:79' 8.7# 246' 38=.' 85G .48"# M# , + ' HN' 2AC757A6"@ B"89=06' 8.' / 1'

7660' 7=76r' DA"=0=;C' 68=5AC' "7580' 06.76SA0' "A6A6' 0.' "4=0A.48C' ?A"B4* A5' 49' .208.5AC' 8.7' 60?050' ?0A46.4' 9' 4D07' .89.AC' ?t9t586' u.' 064506*

^T 6' @7A' CA6.' 28?0' ;009' <0"# 8=SA849.0D' <4.2' .20' 54.06' 73' .20' C45.23A"# "758' .20' 27"4D8@ 09.05.849C09.6' 89D' .20' ;578D' "4=09.47A6906 66 73' .;0' 58;;"0' <2@' ' 6.584.E"8=0D' 8.7' D4D' @7A' 620<' @7A5' 38=0' 49' .20' .208.50' z' 4D' @7A' 508""@ =7C0' 49' 3' .7' <8"F' 7A.' 8B849' zQ

A.' 49D00D' .20' 68C0' 68.4546.' 28D' :50?47A6"@ 684D' .28.' 67C0' 73' .20' 350SA09.056' 73' "758L6 06.4?8"' 49' 0:4B58CC8.4=' "89BA8B0' =79.09D0D' .28.' 8.7' 7AB2.' 97.' .7' 28?0' 09.050D' .2045' .208.50' 75' 28?49B' 09.050D' 627A"D' 28?0' 50C8490D' .7' <4.9066' .20' '7 ' 7' .246' A6794A6' 49' 8"# :57;8;4"4.@ 8""9D08' M68@6 =F20"N' <209' M49' ' H [' # >[N' 20' .2A6' <54.06'/1

0=979' "86=4?4 "758"48' 60.8.;08.54 %9r' 6:0=.650' ?7"89.' SA4' ?7"A666' 90B89.*

^T' "67' .20' 7@7A6' "758"48' 73' .20' "4=09.47A6' .208.50' <24=2' .20@ <27' C76.' D0:50=8.0' .20C' 6.4"# D0645' .7' 600*UQ

@ .20' "4.AA6' ;0249D' .20' 208D' 79' .20' 7;?0560' 73' .20' =749' 09B58?0D' 8.' .20' .7:' 73' .246' 85.4="0' .20' C790@05' <27' =8A60D' 4.' .7' 20' 6.5A=F' :57G ="84C6' 24C60"3' 8' D06=09D89.' 73' # 052?4"4A6' .20' 8ABA5' <27' <86' :50.75' 49' [a' 9$ ' " ' a[N# A.' .20' <75FC89624:' 7 .20' D09854A6' ;549B6' 4.' D7<9' .7' .20' m685489' 8B0' 89D' 209=0' 4==47 M:# >, N' 8B5006' <4.2' =F20"# 89D' <4.2' 750"' .28.' 4.' <86' 6.5A=F' 49' .20' "86.' :0547D' 73' .20' 50G :A;"4=' 89D' ;@ .20' SA06.75' 73' 5A.A6' 89D' 866 64A6' 49' , ,' 9$ ' " ' HN# 9' :"8=49B' 79' .;0' 7;G ?0560' 73' ;46' =749' .20' ;A6.' 73' "758' <4.2' 8' B8@ 208DED5066' 73' 3"7<056' .20' C790@05' :8@6' 2797A5' .7' 246' =0"0;58.0D' 89=06.75' .28.' ! '+ ' $

0I.' 86' .7' .20' .@:0' 73' .20' 50?0560' <24=2' 49D4=8.06' 04.205' .20' 8""489=0' 73' #7CA"A6' 89D' 8.496' 75' .20' =796:458=@ 73' .20' .<7' ;57.2056' 86=8' 8B8496.' .20' "430' 73' r685# .' 46' 68@6 #4==47' 6A=2' 8' .@ 40' 73' 8""489=0' 86' 46' 6009' A94G 375C"@ 50:50609.0D' 79' =7496' 73' .<7' .8""489' =4.406' .0""8' 89D' 8:A8' ;A.' .7' <24=2' 4.' 46' .7' ;0' 6:0G =48""@ 50305500D' 46' 97.' F97<9# T' 490' DA;47' M7;G 605?06' =F20"' # H, N' ?0.A6' 8"4SA7D' 4""A6.54E A6SA0' 370DA6' 8' SA7:48C' 0I' B09.0' 05?4"44' D0985446' 5097?8.A5*U ! ' 46' 8"67' 6A::760D' .7' ;0' .@:4340D' ;@ .20' 208D' 73' 8' <7C89' =57<90D' <4.2' 8' =28:"0.' 73' 3"7<056' 89D' <4.2' 8' 3"7<05 ;0249D' 4.' 79' .20' 7;G ?0560' 73' 8' D09854A6' 73' .20' "8AD48' B096' 28?49B' 375' "0B09D' =# ' =# # 20' :75.584.' 6A334G =409."@ =75506:79D6' <4.2' .28.' <24=2' ?4D' D58<6' M"# 4?# ! %'/1

4""0' ?0A4.' ?8544G' '"75AC' D08' A018' =757946*

f ' * 1 # *

^ 20' B7DD066' =7C06' =57<90D' <4.2' B85"89D6' 73' 8' .27A689D' ?8540D' 3"7<056Q

L A.' .20' 50?0560 ' <24=2' ;0856' .20' .4."0' 73' .'

46' 89D' 8' 608.0D' 4C8BO' 73' 790' 73' .2760' =286.0' :5406.06606 ' 46' ; A.' 4""E 86675.0D' <4.2' 89@' 50=75D' 73' .20' "7508" =0"0;58.479* 1 0O' "o ! ' B096 :' >, *

' ' # * *' #* 1 ' <7C89' 6.89D49B ' <4.2' ;589=2' 49' .20' 54B2.' 289D ' 89D' =759A=7:4 r' 49' .20' "03.* 1 1) 1 " o ' .'

' * ' "8A508.0D' 89D' ;085D0D' 208D' 73' 05G =A"06*

4C85D' D0' "8' 86.40 ' 49' 246' 8997.8.4796' .7' K7E' ;05.' M4' >aaN' <86' .20' 3456.' .7' D06=54;0' .20' 8;7?0 ' 86' ;049B' .20' "0B09D6' 89D' .@:06' 73' 8' 64""?05' =749 49' .20' . 'F ' =8;490.' 73' 246' .4C0' M, HaN* 0220" ' <27' SA7.06' 4C85D ' =8""6 4.' T' 64"?05' 73' &8";8 U' 89D' 50305549B' .7' 4. ' 86' 790' 73' 60?058" =7496' .28.' 8""AD0' .7' .20' 6A==06606' 73' .28.' 0C:0G 575 ' C8F06' .20' 37""7<49B' 50C85F / 1 T' 3' =7496 ' ;08549B' .20' "0B09D' * ' * *' M600' ' ' ! ' 8 ' $ ' N ' <050' 6.5A=F' DA549B' .20' 504B9' 73' &8";8 ' .2050' 8 : :0856' .7' ;0' 97' D7A;' .28.' .20' :50609.' 790 ' 496=54;0D' * " o ' 7 2 ' 46' .7' ;0' 8667=48.0D' <4.2' .20C' ' 06:0G =48""@' 86' 4.6' .@:06' 3A59462' 89' 8DC458;"0' 8""0B75@' 49' 8""A6479' .7' .2760' .4C06* 75 ' 86' 05=A"06' 79' 246' 50.A59' 357C' :849 ' 83.05' 6.8@49B' 80A6 ' .20' 57;;05 ' 506.750D' .20' 60?09' 24""6' .7' 3500D7C ' 67' &8";8 ' 50.A5949B' 357C' .20' 68C0' =7A9.5@ ' 83.05' .20' 7?05.257<' 73' 057 ' B8?0' "4;05.@ .7' #7C0' :"89.0D' 79' .2760' 60"3E68C0' 60?09' 2 "6 ' 89D' ;57AB2.' 4.' .7' :866 ' .28.' .20' 375.A90' 73' .20' #7G C89' :07:"0' 627A"D' 79=0' C750' ;0B49' .7' 3"7A5462*U M?4* >a N*

*1 *1 * Ha,

' 4 4 * <7' 67"D4056' 74949B' 289D6* 1 '

&* A9' 49' SA8D54B8* 1 # * .'

(2 1 2' M (=N &* (7C89' 27"D49B' 8' B"7;0* 20' 37""7<49B ' 8.' , ' 3589=6' 08=2' ?4* "7?4 ?4 #4*' KA:4.05' 4=0:275A6' 6.89D49B* 1 * $' 2 2 2' #7C8' 4=0:275A6' 608.0D* 1 !* ' 1_16 9 *' 856' <8"F49B / * ! ' !" *!' 856' <4.2' 6:085' 89D' .57:2@* M 57AB2.' $H' 8.' .20' 8C:898' 68"0N*

^ ' B7"D' =749' 73' "75489 ' 37A9D' 8.' 0DD49BE' .79 ' <86' ;7AB2.' ;@ 5* 7?0' K7906' 375' $,>* 1 2050' <050' 97' B7"D' =7496' 73' .246' 0C:0575' 04.205' 49' .20' 27C86 ' .20' 0C;57F0 ' 75' .20' 0?7962450' =8;490.60*

' 8' 3"7<05 ' 8 : :0856' 79' =7496' 73' SA4"E' "496' "75A6 ' 8' C790.85@' .54AC?45' 73' ABA6.A6* 1 ' 20' .@:0' 73' .28.' 50?0560' ;0856' 8""A6479' .7' .20' =7B97C09* 84""8A.' B4?06' 4.' 86' 246' 7:49479' .28.' .20' 3"7<05' 50:50609.0D' 79' .20' D0A854A6' 8""AD0D' .7' M600' SA4""48' B096 ' :* ,N 46' A9F97<9' .7' ;7.8946.6* 8?05=8C:' M49' ' ' %' =79.09D6' .28.' 4.' 46' .20' 3 ' ^M=A8?76 1 .20' ;"AO' =759' 3"7<050* =F20* M?* , HN' ;"A9."@' 68@6 1 ' T' 0.' .2760' "77F' .7' 4. ' <27' 850' =79?05689.' <4.2' .20' 6.AD@*U

' " ' %' ;57.205' 73' 8=4.A6 ' <27C' 20' 28D' 37""7<0D' 49.7' .20' 86. ' 89D' 79' <2760' D08.2' 20' <86' 8=F97<"0DB0D00CE' :0575 ';@' .20' 098.0' 89D' ;@ 8"" .20' :57?49=06 ' 01=0:.' @548 ' <2760' 85C@' 6A: :75.0D' .20' =8A60' 73' 572A6* ' =4?4" <85' <86' 79' .20' :749.' 73' 096A49B' 357C' .20' 54?8"624:' 73' .2060' .<7' =7CG :0.4.756 ' <209' "75489A6' <86' F4""0D' ;@ 246' 7<9' 67"D4056 ' 9085' 856A6 ' 79"@' .2500' C79.26' 83.05' 20' 28D' 866AC0D' .20' :A5:"0 ' * *> * 1 .@"0' 1 * * * ' # ' &* 1 ' 275.' 86' <86' 246' 504B9 ' .20' 50?0560* 73' 246' =7496' 28?0' 6A334=409.' ?8540.@' .7' 620<' .28.' 8.' "086.' .20' 7C89' C49.' <86' 8=.4?0' <4.2' 246' 98C0' 89D' 0334B@' <24=2' 8: :085' 8C79B' 7.2056 ' 79' 8' ;5866' C0D' E "479 ' 28?49B' .20' 0:4B58:2' 73' ' &* 89D' .20' .2500' C790.60' 6.89D49B ' <4.2' .2045' 8..54G ;A.06* 46' 64"?05' 73' ;860' C0.8"' 850' 73' .20' 60G =79D' D0B500' 73' 5854.@' 60=79D' ;5866' 5850 ' .245D' ;5866' =7CC79*

20' 37""7<49B' B7"D' 73' .20' A6A8"' 64\0' 850' ?8"A0D' ;@ 47990.' 8.' , > ' 3589=6' 08=2' ?4* "

' D09854A6' 73' .20' A5C48' 38C4"@' <4.2' "0B09D' #4' 89D' .20' 208D' 73' 797A5' 375' 4.6' 7;G ?0560' .@:0' 0I24;4.6' 49' .20' 50?0560' .20' "0B09D' * & ' 89D' 8' 6"7<' SA8D54B8 ' 79' <24=2' 46' 8' ;86F0.' <4.2' 8'$ & ' 49' 4.' M600' 8;7?0N* 9' 0I8=."@' 64C4"85' .@:0' 73' 50?0560' 8: :0856' 79' B7"D' 89D' 64"?05' =7496' 73' 4.A6* 1 84""89.L6' 0IG :"898.479' M44* :* a N 73' .246' D0?4=0' 46' 4.6' 50G 30509=0' .7' 8' .54AC:2' 73' .28.' 0C:0575L6' 89D' .28.' $ & ' 75'58.205') ' 64C4"85' .7' <28.' .20' B7DD066" # ' =855406' 49' 205' 289D' D097.06' .20' 27:0' 50:760D' ;@' .20' 098.0' 89D' :07:"0' 73' #7C0' 49' .20' ?4=.7547A6' 85C6' 73' KAD.08L6' =79SA0575*

'$ & ' 8==75D49B' .7' "49@' <46' .20' 6@C;7* 73' :549B ' 89D' 49' =79345C8.479' 73' .246 ' 79' .20' =7496' 73' .20' 37A5' 086796' M;@ 9.7949A6' 4A6 ' 7CC7DA6 ' 89D' 7.2056N' <0' 60O' .20' ;7@' <27' :056794306' .20' ?0598" SA85.05' 73' .20' @085' ;085G 49B' 8' ;86F0.' "8D09' <4.2' 3"7<056* 1 0O' "&0!' 89D' ' *

' 75' ' M "8?4A6N' 8' "7<E;759' 4.2@9489 ' <27' 8.57=47A6*@' 866AC49B' .20' 4C:0G 548* :A5:"0 ' =8A60D' .20' D0:764.479' 73' 246' 67?0G 504B9' 8A54=4A6 ' 89D' .20' CA5D05' 73' .28.E0CG :0575' 89D' 246' 38C4"@' ' ' >* 9' 04B2.' @0856' 830.5<85D6' 20' <86' 24C60"3' .8F09' :5467905' 49' 79G 6.89.497:"0 ' 89D' D0=8:4.8.0D* 9' 67C0' 73' .246' ?4""849L6 ' ;5866' =7496 ' <2050' 246' 6.@"0' 46' ' ' &* 20' 89D' 246' <430' 079.48' 8: :085 ' :57G 38949B' 2546.489' 6@C;7"6' <4.2' .2045' A6A5:0D' 89D' ;"77DE6.8490D' D4B94.406*

* 1 ' .508.@' 73' 8""489=0' C8D0' ;@' 790' :07:"0' <4.2' 897.205' :07:"0* C79B6.' .20' #7G C896 ' 49' 085"@' .4C06 ' 8""489=06' <050' 8"<8@6' C8D0

20 .<7 208D6 79 .20 7;?0560 850 .2760 73 .20 <27 85=.20 # $ + 9 8 6:0=4C09 73 .20 8;7?0 D09854A6 09B58?0D 49 '4==47 " > 7# >N .20 "0..056 # 8::085 ;03750 .20 208D6# 246 46 C8D0 6.4"" C750 ="085 49 64C4"85 .@:06 73 .20 9.48 89D A":4=48 38C4"406# 75 67C0 0I:"898.75@50C85F6 79 .2060 D7C06.4=D04.406 .20 508D05 46 5030550D .7 .20 (75D # 1 T 20 C49.73 L79.04A6 M68@6 =F20"N 8D7:.6 .2060 .@:06 ;0=8A60 86 <0 "0859 49 .20 =860 73 .20 A":4=48 38C4"@ .20 098.06 <050 20"D 49 .20 24B206.2797A5 8. A6E =A"AC 357C <24=2 .7<9 .20 79.04 754B498""@ =8C0"U 00 . ? >, *

8?0D794 M=4.0D ;@ '4==47 :# aHN 68@6 .28. .20 894A6 79.04A6 73 .20 64"?05 =7496 89D 8"67 73 "85B0 ;5866 ="8660D <4.2 .20 C49.8B06 73 .20 79.=48 B096 CA6. ;0 .20 68C0 :0567 9 <27 <86 D0309D0D ;@ 4=057 649=0 49 .20 90<"@ED466 =7?050D 358BC09. 73 .20 758.47 9 D0"4?050D ;@ 24C # 79.04A6 46 0I:5066"@C09.4790D 86 246 C79=.8" .54AC?45 8AD 246 SA06.75# 0 <86 :50.75 49 [M9# =# aN 89D .209=0 4. 46 .7 ;0 4930550D .28. 8"4..0 <24"0 ;03750 20 <86 C790@05

H# =# 20 208D 73 8 @7A9B C89"8A5=8.0D ;0908.2 <24=2 46 .20 $ = *1 8 <49B0D ;7@ 54D49B 79 8 B78.# 9 .20 340"D 73 .20 =749 850 .<7 +8 <4.2 8 6.85 7?05 08=2# 0"7< 46 .20 .2@56A6# <4.249 8 C@5G ."0 B85"89D*

20 :75.584. 79 .20 7;?0560 73 .246 D09854A6 46 49 .20 7:49479 73 =F20"# 24C60"3 97.49=750 50=."@ ;0"40?0D .7 ;0 .28. 73 :7""7 0 7?46 .7 <27C .20 .2A9D05;7". A9D05 .20 208D ;0856 8""A6479# 6 .7 .20 <49B0D ;7@ 64..49B 79 8 B78. .20 68C0 =7CC09.8.75 68@6 .28. 4. 600C6 .7 ;0 58.205 .20 T 4 $ 7 N .289 86 .7 7.2056 4. 286 8::0850D .20 34BA50 73 A:4D 49 <24=2 7:49479 M68@6 20N , 37""7< 866054 <27 50B85D6 6A=2 34BA506 73 <49B0D =24"D509 0I=0:. <209 .20@ 27"D 8 ;7< 75 89 897< 86 20 ;7990.6 73 .20 476=A54 ;0"79B .7 .20 .'# 6 .7 <2@ .20 .2@56A6 89D .20 C@5."0 =57<9 375C :85. 73 .20 .@:0 8AD 8"67 86 .7 <27 <86 894A6 79.04A6 .20 8A.275 73 .2060 D09854 .20 9AC46C8.46. 73 40998 <4.2 246 A6A8"50:AD48.479 73 =79 0=.A50 64C:"@ 8DD6 T N

'4==47 49 DO6=54;49B .20 8;7?0 D09854A6 68@6 T 246 894A6 79.04A6 CA6. 28?0 ;009 C790@05 8;7A. MG# =# N 89D 679 73 .28. 84A6

H

79.04A6 <27 <86 .7 894..6 79.04A6 :50.75 49 &8A" :76.05475 .7DN [j =# aN 89D 50=F790D 8C78B .20 + ; @ 4=057*

8?0D79 ;0"40?06 .20 49389. 34BA50 79 .20 B78. .7 ;0 C089. 375 .20 B094A6 73 - + 1 608.0D 79 .20 ;8=F 73 246 7<9 B78. ^ C8"E .23=8Q 89D 46 73 7:49479 .28. .20 504.058.0D 8:G :08589=0 73 .20 =8:6 73 .20 476=A54 ;0856 8 AE 6479 .7 .20 754B498"# =7A9.5@ 73 .20 C790.8"# 3A9=.47985@ <27 =8A60D .20 =749 .7 ;0 6.5A=F*

20 20"C0D ;A6. 73 856 <4.2 ;A. "4.."0 ;085D# 0249D 4. 8 .57:2@* 1 - 9 85C0D 27560C89 54D49B 8. 3A"" 6:00D# 9D05 24C 850 .<7 C4"4G .85@ 34BA506*

246 46 790 8C79B C89@ 38C4"@ =7496 49 <24=2 ;7.2 "0B09D6 89D .@:06 850 49?7"?0D 49 A9=05.849.@ 89D .20 0I:0=.8.4796 5846 0D ;@ 04.205 8 3A 496=54:.479 75 89 49.0506.49B DO?4=0 850 C750 75 "066 D468::749.0D# =F20"# N?"# :# >> N D706 97. 50B85D 4. 86 W68.4638=.754"@ C8D0 7A. <2@ + + 8::0856 79 .20 7;?0560 975 <27 .20 27560C89 46 74" .20 50?33"60 975 .7 <27C .20 496=54:.479 496 5484 ME) 627A"D ;0 8664B90D# 0 D0G 6=54;06 .20 .<7 85C0D 34BA506 ;0908.2 .20 27560L6 300. 86 09B8B0D 49 649B"0 =7C;8. <24"6. 479E 90. 6006 49 .20C .<7 090C406 <27C .20 =8?8G "405 286 "84D :576.58.0*

'4==47 09D08?7A56 .7 6A::"@ 67C0 73 .2060 D064D058.8# 0 :5797A9=06 .246 A;"4A6 P79E .04A6 8:4.8 .7 28?0 ;009 C790@05 49 .20 .2 @085 73 #7C0 9s a N 43 97. "8.05# 0 50G B85D6 .20 .@:06 73 .20 8;7?0 09B58?0D =749 86 8""AD49B .7 =05.849 0I:"74.6 :05375C0D ;@ 8 C0CG ;05 73 .246 38C4"@ .28. 46 .7 68@ .7 .20 C4"4G .85@ .54;A90 894A6 79.04A6 <27 A9D05 .20 *=7CC89D 89D 49 :50609=0 73 4.A6 4D4A6 M:# H> N 49 0".4;0548 D46:"8@0D 246 :57<066 ;@ 6"8@49B .20 090C@L6 B09058"*

7C0 .249F .28. .20 .54;A90 8;7?0 C09.4790D <86 ;57.2050 73 .20 79.04A6 8:4.8 <27 6.5A=F .246 D0984#4A6 ;A. 4.6 349 0 <75FC8962 4:=855406 4. D7<9 .7 8 "8.05 :0547D* 1 ^ 5# F05C89 .249F6 .28. .20 208D 73 .57:2@E;08549B 856 .7B0.205 <4.2 .20 50?0560 .@:0 503056 04.205 .7 .28. 6A=G =0663A" :89462 0I:0D4.479 75 .7 67C0 7.205 6:0=434= ?4=.75@*Q

* 1 04"0D 208D 73 79=75D*E '=*E # # # # &589D :75.4=7 73 .<7 6.7540 6*

246 =749 =7CC0C758.06 .20 + M&090G 58"49 =7CC89D 73 89 85C@N 4.A6 4D4A6 A9D05 <27C .20 .54;A90 # 79.04A6 37AB2. 89D 506:0=.G 49B <27C 600 =749 7# >49 4D48 B096 3:'H> N* #& # $' #) 3 1 9 .246 6A;0=.# 7 4C:75.89. .7 .20 9AC46C8.46. 89D 67 49.0506.49B 49 89 246.754=8" :749. 73 ?40<'67C0 B09058" 7;605?8.4796 <4# ;0 37A9D 49 ::# >a,

a ' z # *

89D >a[73 .246 ?7"AC0 A9D05 .20 208D 73
$ A.' 375 3A5.205 49375C8.479
506 : 0=.49B .20 <75F6 73$ 8C79B6.' .20
#7C896 .20 508D05 46 06 : 0=48""@ 5030550D .7 8
?8"A82"0 0668@ ;@ .20 D4.75 73 .20
375 KA"@ , 49="AD49B 8 C86.05"@
"0..05 .7 5 F05C89 357C 5 A5B79 <4.2
50B85D .7 .20 : 58=.4=06 73 .20 &500F 375B056* 1
20 <27"0 D46605.8.479 C054.6 8..09.479 375
=7CC09=49B <4.2 085"@ 0 : 7=26 73 89.4SA4.@ 4.
: A56A06 .20 246.75@ 73 C790.8" 358AD6 .257AB2
.20 C4DD"0 8B06 D7<9 .7 .20 .4C06 73 7A5 7<9
AD756 89D .A85.6*

* ! *1 90 73 .20 .4.A"85 0 : 4G
.20.6 B4?09 79 =7496 .7 0=09.4A6*

* #* !

#* # *EEEE ! * 8 : : 0856 350G
SA09."@ 79 =7496 73 ABA6.A6*

* * ! ! *1 9 64""?05
89D ;5866 73 7CC7D96 89D 64"?05 73 7C98*

* * *1 75 89 0I : "898.479 73 .246 8 ; G
; 50?48.0D "0B09D 600 $ 3 ! B096 : * H*

*1 75.4C0 8 B7DD066 .7 <2760
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20 =7CC79 : 07 : "0 50B85D0D 205 86 8 D4?494.@
<27 D46.54 ; A.0D B77D 89D 0?4" 8C79B6.' C89G
F49D 8==75D49B .7 205 =8 : 54=0 89D <4.27A.'
28?49B 89@ 50B85D .7 C054.* A.' .20 C750
60964 ; "0 : 75.479 73 .20 89=409.6 04.205 D0940D
.20 0I46.09=0 73 .246 D .@ 75 A9D056.77D ;@
75.A90 977.2=5 .289 4?490 57?4D09=0 <2760
D0=5006 ;049B A9F97<9 .7 C75.8"6 2AC89 0?09.6
8 : : 085 .7 28 : : 09 ;@ =289=0* 20 #7C896 <27
<050 8.' 20 085"406.' : 0547D 73 .2045 246.75@ = 79G
.09.' .7 =796A".' F ! 8.' 9.4AC
83.05<85D6 8D7 : .0D .20 B7DD066 49.7 .20 9AC ; 05
73 .2045 .A.0"85406 89D =7960=58.0D 9085"@ .245.@
.0C : "06 .7 205 49 .20 D4330509.' D46.54=.6 73 .20
=4.@* 05?4A6 A""4A6 60.' .20 3456.' 0I8C : "0 <2=2
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"85B0"@ 8D7 : .0D 49 .20 .4C0 73 .20 50 : A ; "4=* 1
20 C : 0575 057 ; A4".' 8 .0C : "0 .7 75.A90 73
.5896 : 8509.' 6.7906* 20 #7C896 : 50.09D0D .28.'
75.A90 28?49B' D0605.0D .20 0564896 89D 66@G
54896 89D 83.05 28?49B 3"7<9 "4B2."@ 7?05 8=0G
D7948 89D 6009 "0I89D05 : 05462 : 8660D 7?05
49.7 B@ : .' 89D @548 89D 8.' "86.' 8554?49B 79
7A9.' 8"8.490 .250<' 864D0 205 <49B6 =86.'
8<8@ 205 <200"' 89D 09.050D #7C0 .205 .7
.8F0 A.' 205 8 ; 7D0 375 0?05* 1 ! & d' ?4""8L6
38?7A54.0 D4?494.@ 7 .7 205 97.' .7 24C60"3 75 .7
246 7<9 <46D7C 20 <86 8==A6.7C0D .7 86=54 ; 0
8 .20 B"75@ 73 246 C89@ 6A==0663A" 8=240?0G
C09.6 89D 49 8 9647 .7 .246 866AC0D .20
98C0 73 ! *1 20 #7C896 B8?0 C89@ D43G
30509.' 98C06 .7 .246 ?0568.4"0 B7DD066* 20
37""7<49B 850 .2760 <2=2 8 : : 085 79 =7496 ?4*/
9.48.498 798 0"4I 756 8"8 A"402546
89096 ;60SA096 54C4B0948 ODA!' "86."@
75.A98 ABA6.8 75 ABA6.X 89D 75.A98 7E
: A"4 #7C894 M600 .2760 98C06 % 8 : : 0856 79 B508.*9AC ; 05 73 " ,
: 0548" =7496 49 08=2 C0.8" 89D 64\0 357C AG
BA6.A6 .7 47="0.489 <4.2 .20 "0B09D ;
; A.' C750 350SA09."@ '89D
99D05 .20 34BA50 73 @7A9B <7C89 28 ; 4.0D 49
.20 6.7"8 6.89D49B M86 49 .20 37""7<49B 09G

* *

B58?0D 0I8C : "0 73 8D5489 3456.' ; 5866N 75 608.0D
; 7"D49B 49 .20 54B2.' 289D 8 5ADD05 506.49B 79
.20 :57<' 73 8 624 : 89D 49 .20 "03.' 289D 8 =75E
9A=7 : 460* 9 67C0 .@ : 06 8 <200* 8 : : 0856 8.' 205
300.' 75 A9D05 205 =2845 86 49 "; 49A6 &75E
D489A6 * =* 9 7.205 6 : 0=4C096 <0 600 205
<4.2 .20 5ADD05 : "89.0D 79 8 B"7 ; 0 86 49 05A6
7CC7D96 =* ; A.' .20 =759A=7 : 460 46 205 49G
?8548 ; "0 8..54 ; A.0*

! 46 608.0D <4.2 2 @7A9B ; 7@ ; 03750
205 79 8 =749 73 KA"48 7C98 6.89D49B <4.2 2
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8 =7"AC9 86 49 8D5489 49 8 .0C : "0 73 64I
=7"AC96 79 8 =749 73 50 ; * &8""A6*

! 8"67 8 : : 0856 <4.2 ; + 79 3456.' ; 5866
73 8D5489 89D 73 0"4A6 80685* 20 46 600
49 8 =2845 7 : : 764.0 .7 .20 0C : 0575 <27 46
68=5434=49B 86 49 0 : * 0?05A6* 1 ^ 20 60D09.'
B7DD066 46 684D .7 D097.0 .20 0C : 0575L6 375.A90
.7 ; 0 345C 89D 6.8 ; "0* 7C0.4C06 !
27"D6 <4.2 205 54B2.' 289D 8 6275.' 6.833 75 .4""05
8.' 20 .7 : 73 .20 5ADD05 86 49 9.7949A6 496
"; 49A6 =* 9D 79 2 <0""EF97<9 =749 73
7CC7D96 M.00 3A5.205 79N 620 64.6 27"D49B 2
2756 0 ; @ .20 ; 54D"0* 9 8 =749 73 &0.8 620 46
50=AC ; 09.' 79 .20 B57A9D <4.2 8 <200* 89D =75E
9A=7 : 480 ; @ 205 64D0Jz

! 89D 75.A98 798 <050 ; 7.2
<75624 : : 0D 49 .2045 506 : 0=.4?0 .0C : "06 8.' #7C0*
84 89.' 46 73 7 : 4947 .28.' .20 .<7 ; A6.6 79 8
=749 73 .20 #A6.48 B096 M P75.A960 9.48.06N
<050 49.09D0D .7 : 0567943@ 1 89D !
1 00 &

W' + '# *
<7 ; 085D"066 ; A6.6 64D0
; @ 64D0 79 0 73 <2=2
<0856 8 20"C0.' 89D 46
98F0D 86 385 86 .20 ; 5086.'
89D ; 7"D6 8 : 8.058 .20
7.205 286 8 C4.0""8 79 205
208DED5066 89D 8 .A94=
="760 .7 .20 90=F ; 7.2
: "8=0D 79 8 3"8..090D =4 : E
: A6 08=2 0I.50C4.@ 73 <2=2 46 7598C09.0D
<4.2 8 58CL6 ; 08D* 1 ! # & E
+* * * 9 8".85 79 <2=2 46 496=54 ; 0D
#30_j0 # 438W* 1 9 64"?05 73 .20 #A6.48
B096 6.5A=F 99D05 ABA6.A6 49 .20 @085 73
#7C0 H 9s - , N*

! <86 =8 0D ; @ .246 .4."0 73 "7=8"4.@ 79
8==7A9.' 73 8 =0"0 ; 58.0D .0C : "0 050=.0D .7 205
2797A5 8.' 9.4AC 8 .7<9 49 8.4AC 97.' 385
357C .20 608 =786.' M97< M % .20 ; 45.2E : "8=0
73 057* .' .246 : "8=0 620 <86 D7A; ."066 49

Ha 5 b *

:8668B0' ;0B499498 T' 75.A98' 660?7' .A.8' A00 -!/!0$ F(

7C@54z' %A009' 73' ."40' 8668B0.=0' M =@.248N' 28?49B' "0859.' ;@ 04:05409=0' .20' 98.A50' 73' 75G .A90' .2A6' 8DD506606' @5A6' <209' 49DA"B49B' 246' D508C' 73' 28::49066 1 ;7?0' 8"" .249B6' "0859' .246' .5A.2' .28.' .2050' 46' 8' =@="0 73' 2AC89' 8338456' <24=2' 49' 4.6' 50?7"A.479' :05C4.6' 97.' .20' 68C0' 49D4?4DA8"6 .7' ;0' 8"<8@6' 28::@hL M 057D7.A6 4# =# > N# 20' <86' 8' 6@C;7" 73' <27' 28D' C89@ 8..54;A.06' 49' =7CC79' <4.2' L75E .A90# 0509=0' =796.89."@ 8""AD06' .7' ! ' ' <209' C8..056' 28?0' .A590D' 7A.' :576:05G 7A6"@* 1 M?44# H' 89D' Ha\# !

* 7' 8;4D49B' 75G .A90 1 46' .20' 0:4B58:2' 73' 8' 64"?05' 89D' ;5866=749' 73' 7CC7DA6' 73' <24=2' .20' .@:0' 46' 8' <7C89' 608.0D' <4.2' 8' =759A=7:4m 49' 205' "03.' 289D' 89D' 27"D49B' <4.2' 205' 54B2.' 8' 27560' ;@ .20' ;54D"0* 246' 620<6' .28.' 7CC7DA6' :84D' 246' ?7<6' .7' 75.A90' A9D05' .20' 6A598C0' 73' ' ' 8' 6A:05G 6.4.479' 73' <24=2' 27<0?05' .2050' 850' 7.205' 89D' 8;A9D89.' 496.89=06' .7' ;0' 37A9D' 8C79B6.' #7C89' <54.056# ! ' ' 46' :58460D' ;@ 758=0' 9o' 44# D0' >aN' 86' 7::760D' .7' ! ' ' A.' .20' 508679' <2@' .20' B7DD066' 86' 49' .246' =749' 627A"D' ;0' 27"D49B' 49' .20' 27560' 600C6' 7;6=A50# 0528:6' 4.' <86' ;0=8A60' 75.A90' <27' 46' 2050' =8"" 0D' ' C4B2.' 28?0' ;009' .20' 68C0' 86' 75.A98' o ' .7' <27C' ?A"?4A6' "8==A6' 83.05' 28?49B' ;@ .20' 6.509B.2' 73' 246' =8?8"5@ 375=06 D0308.0D' .20' 0".4;054896' ?7<0D' .7' 050=.' 8' .0CG :"0' <24=2' 8=4.A6' 8""AD06' .7' 86' 6.89D49B' 9085' 9.4AC* 1 00' =F20"' ?44# ,[* 5 # ' # * M 7' <7CF9"@ 75.A90N* 1 ' 30C8"0' 34BA50' 608.0D' <4.2' 8' 5ADG D05' 49' 205' 54B2.' 289D' 89D' 8' =7CA=7:4r' 49' 205' "03.# &7"D' 89D' 64"?05' 73' 8A6.498' .20' @7A9B05# 9B58?0D' 49' 7"; # =' , = 6' ! ' ' <86' 89' 7;0=.' 73' 8D758.479' 8.' #7C0' 89D' .28.' 86' 085"@ 86' .20' .4C06' 73' 05E ?4A6' 9" A6' 67' .20' 6.8.A0' 73' ! ' <86' <4.2' 205' .0C:"0' =7960=58.0D' 8.' .20' .4C0' <209' M86' .20' "0B09D' 50"8.06N' .20' 09.508.406' 73' 246' C7.205' D0.0550D' 7547"89A6' 357C' D06.57@49B' .20' =4.@# 7' .246' D04.@ 5030509=0' 46' C8D0' 49' .20' 37""7<49B' :8668B0' 73' 06.A6' 1 T' "67' .20' 6.8.A0' 73' ! ' 8 ' 8.' .20' 37A5.2' C4"0G 6.790' 73' .20' 48' 8.498' 46' 375;4DD09' .7' ;0' .7A=20D' " $ ' ' ½' 68.0' ;@ 205' <27' 28D' ;009' ;A.' 79=0' C8550D*\' 8A6.498' .20' @7A9B05' M7;605?06' 84""89.' :# , [N' 7<0D' 8' B508.' D0;' .7' .28.' D4?494.@' 86' 620' <86' .20' D8AB2.05

* 73' 89' 0C:0575 1 49D00D' .20' 0"D06.' D8AB2.05 1' 89D' <86' C85540D' .7' 89' 0C:0575* # ' % ' " _' # # # * 1 ' <7C89' 6.89D49B' <4.2' 8' :8.058' 75' 8' 5ADD05' 49' .20' 54B2.' 289D' 89D' 8' =759A=7:48' 49' .20' "03.# 0=79D' ;5866' 73' 9.7949A6' 4A6* 1' 9B58?0D' 49' .20' ') ' ' ' 246' 50?0560' 3456.' 8::0856' 79' .20' =7498B0' 73' .N# =# a, ' 9 ' , [N' .27AB2' D06.490D' .7' ;0' 350SA09."@ 0C:"7@0D' DA549B' 9.79490L6.<09.@E 60=79D' 49?06.4.A50' <4.2' .20' .54;AA4.489' :7<05' 49' ;7.2' B7"D' 89D' 64"?05# ' 649BA"85' =289B0' 357C' 79' =7967989.' .7' 897.205' 73' 64C4"85' 67A9D' 46' 0I0C:"4340D' 49' .246' 496.89=0' 73' # ~ ! / ' A.' 79' 8% .20' 6:0=4C096' <24=2' =8C0' A9D05' =F20 6' 97.4=0' 4.' 46' 496=54;0D' 018=."@ 86' 8;7?0' B4?09' <205086' 8==75D49B' .7' .20' A6A8# C0.27D' 73' 6:0""49B' 4.' 627A"D' 28?0' ;009' $ 9N / ' M 00' .20' :24"7"7B4=8# 50C85F6' 79' .246' 308.A50' 73' .20' =749' 733050D' ;@ .20' 8A.275' 73' ! ' ' ?44# > N* 1 ==75D49B' .7' 4=.75' .2050' <050' 8.' #7C0' & ' .0C:"06' 73' ! ' 1) ' 0 ' 790' 73' <24=2' 46' =79 0=.A50D' ;@ 84 89.' .7' 28?0' ;009' 506.750D' ;@ 9.794A0# 246' ! ' ' <86' 8=F97<"0DB0D' 8.' #7C0' 49' .20' D8 6' 73' "8A.A6' 375' .20' 6"8?0' 0794D8' M "89.# 649# # 444# 6=# HN' <209' 86F0D' ;@ <28.' D04.@L6 98C0' 620' <7A"D' :50305' .7' ;0' 8DD50660D' 50:"406' ;@ .28.' 73' ! ' 1) 0 9' 897.205' =749' 73' .20' 68C0' 0C:0575' <4.2' 8 1 ' $ = ' 375' 4.6' 0:4B58:2# 75.A90' :"8=06' 205' 5ADD05' 79' .20' :57<' 73' 8' 624:# T' 246' D097.06' 68@6' 8.49' .28.' .20' B7DD066' 28D' 620<9' 20560"3=79D06=09D49B") 0 %' 49' 8"" .249B6' .7' .20' 0C:0575' .20' 5ADD05' 89D' 6.059' 73' 8' B8"G "0@' 8::085' .7' 64B943@' .20' 8=240?0C09.' 73' B508.' ?4=.75406' 89D' .20' 28::@50.A59' 73' .20' "0B4796*U #P P ' # +* 1 75.A9S' .28.' ;549B6' ;8=F ^.20' C:0575' 49' 6830.@Q* ! 1; ' # *Z' * & * # %# #* 1 ' 64"?05' 89D' 8' B7"D' =749' 73' ABA6.A6' 6.5A=F' A# =# H[' M9# =# ,aN' ;085' .20' 3750B749B' 496=54;0D' 79' 89' 8".85' 89D' 4.' <86' 350SA09."@ 8D7:.0D' ;@ 246' 6A==066756' 86' 43' 0C:05756' ;57AB2.' <4.2' .20C' .20' ! ' 73' .20' =4.@' 73' .20' :57G ?49=0' 75' 73' .20' <75"D* 1 ABA6.A6' <209' C89@' 89D' ?8547A6' 2797A56' <050' D0=500D' .7' 24C' 49' 246' 8;609=0' T' <7A"D' 8==0:.' 97.249B' 0I=0:.' :05C466 6479' .7' =7960=58.0' 89' 8".85' .7' ! ' 6 ' 89D' .28.' .20' D8@ 73' 246' 50.A59' 627A"D' ;0' 49E 0"9D0D' 8C79B6.' .20' 27"4D8@6' 89D' =8""0D' ' N' 246' 0?09.' .77F' :"8=0' 49' .20' @085' 8;7?0' C09.4790D' 89D' .20' 9AC46C8.4=' C79AC09.' =75G 57;758.49B' .20' 246.7548G' M 479N' 46' 3A""@ 4""A6G .58.0D' ;@ .20' =8"09D85' <24=2' 50=75D6' .28.' .20' 0C:0575' 6' 3 . ! ' # ! " ' $ #' %#' #' #' # # # 49' 7.2056' # ' # E' ' #' ' #' * 1 75.A90' 608.0D' ?04"0D' 89D' 57;0D' 27"D49B' 49' .20' 54B2.' 289D' 8' 5ADD05' <24=2' 506.6' 79' 8' B"7;0' 49' .20' "03.' 8' =759A=7:48# 456.' ;5866' 73' 8D5489* 20' #7C896' <050' 8==A6.7C0D' .7' 509D05' .289F6' 89D' :05375C' 68=5434=06' .7' ! ' * ' ' <2"6.' =0"0;58.49B' .20' 50.A59' 73' .20' 504B9G 49B' :549=0' 357C' 246' ?464.' .7' D46.89.' :57?49=06* 1' 246' 46' 620<9' 79' =7496' ;0B49949B' 86' 8;7?0

5 # L ' # P+*

' # K # Ha

.7"490 7A9.' 89D 7A9.' 8"8.490 ' 6A557A9D0D ;@ :75.4=706 ") 8 % ' 89D .20 627:6 73 C790@ =289B056 " % ' 89D ;049B .20 C76.' 89G =409. ' <86 67C0.4C06 " $ ' ' 75 J9654E ' 75 64C:"@$ 1 K7"496 60685 ;A4".' .28.' <24=2 ;0856 246 98C0# 9D .20 49=50860 73 49G 28;4.89.6 6.4 ' 50SA4549B C750 8==7CC7D8.479 73 .246 F49D ' ABA6.A6 ;A4".' 8' .245D# 0?058# 6A=G =00D49B 0C:05756 06.8;"4620D 90<$ ' 8.' #7C0 ' 6A=2 86 06:86489 89D 7C4.489 ' <2760 <75F ' .27AB2 79"@ 3494620D ;@ 05?8 ' <86 =8""0D$ ' ' 86."@ ' 58 89 89D 9.7949A6 498 0SA8""@ =79.54;A.0D .7 .20 0C;0""462C09.' 89D =79?09409=0 73 .20 B508.' C0.57:7"46 ;@ 64C4"85 =796.5A=.4796* 1 4.46=A8 1 4 49*

6.8.0D ' <4.2 ABA6.A6 ' 89D 7==A5549B 83.09?85D6 A9D05 06:86489 ' 58 89 ' 8D5489 ' 9.7949A6 4A6 ' # A50"4A6 ' # 05A6 ' 7CC7DA6 ' =* 75.A90 <86 684D .7 D46.54;A.0 <08".2 ;@ 205 =759A=7:48X ' 89D .7 <40"D ;@ 205 5ADD05 .20 B7?059C09.' 73 2AC89 8338456*

75.A90 608.0D ' 86 49 .20 8;7?0 09B58?49B ' <86 C089.' .7 D097.0 .28.' .20 375.A90 73 .20 0C:0575 <86 345C 89D 6.8;"0 ' <205086 620 46 8"C76.' 8"<8@6 D0:4=.0D 86 A:54B2.' 89D C7?49B 79# "# .2060 850 0SA8""@ 8::57:548.0 .7 8G D5489L6 50.A59 83.05 350SA09.' 8;609=06 8;578D ' 89D .7 .20 B09058# 6.509B.2 89D 60=A54.@ 73 246 B7?059C09.' 8.' 27C0*

' # *1 246 0:4B58:2 8:G :0856 79 6C8"" ;5866 =7496 ' <4.2 .20 .4."06 73 Y42 85W{.' ; ' =7CC79 8"4F0 .7 47G ="0.489 89D 246 =7""08BA0 8I4C48AA6 05=A"0A6* 20 B7DD066 6.89D6 <4.2 8 & ' 8.' 205 300.# 9 .246 :85.4=A"85 =F2="# 50C85F6 .28.' T .20 6 ' <24=2 <86 89 8..54;A.0 73 0C0646 '627A"D 2050 ;0 8::57:548.0D .7 75.A90 ' <4"" 6A5:5460 97 790 <27 F97<6 .28.' .20 .<7 B7DD06606 :85G .77F 73 8"C76.' .20 68C0 98.A50*U 1 M?44#* :# N* # 1 *1 75.A90 89D 7:0 79 8 B7"D 89D 8 ;5866 =749 73 8D5489 09B58?0D 83.05 .20 8D7:.479 73 # 4 "4A6 89D 6.5A=F ;@ 75D05 73 .20 098.0 .7 D064B98.0 .20 75.A90 89D .20 7:0 <24=2 8D5489 89.4=4:8.0D 89D 09.05G .8490D 357C .28.' 8D7:.479 375 .20 :05679434=8G .479 73 ! ' 7==A56 86 73.09 79 .20 =7496 73 .20 $$ ' 86 .28.' 73 ; + ' D706 79 .2760 73 .20 ' 1 84 89.' ++ '6 ' # 44# :# , H* # # 85F0.' :A;"4= :"8=0* 1 9 89=409.' .4C06 .2050 <86 97 =4.@ 75 .7<9 67 6C8"" ' ;A.' 4.' 28D 4.6 :A;"4= :"8=0 ' <2050 .20 4928;4.89.6 ' .7B0.205 <4.2 .20 :7:A"8.479 73 .20 904B2;7A5G 49B =7A9.5@ ' C4B2.' 8660C;"0# 2760 73 .20 #7C8A6 ' D46.49BA4620D ;@ .20 8::0""8.479 73 ! ' <20.205 8.'#7C0 ' 7549 .20 7.205 =8:4.8"6 73 .8"@ ' <050 73 89 7;"79B 6SA850 49 375C ' 73 <24=2 .20 <4D.2 <86 0SA8# .7 .<7E.245D6 73 .20 "09B.2# 2050 <050 8.' #7C0 60?09.009 73 .2060 :A;"4= :"8=06 75 C85F0.6 ' 37A5.009 73 <24=2 <050 8::57:548.0D .7 .20 :A5:7606 73 .58D0 49 :57?4G 64796 89D 7.205 C05=289D460# 2060 <050 =8""0D $ ' ' 20 7.2056 ' <2050 8660C;"406 73 .20 :07:"0 <050 20"D ' 89D <2050 A6.4=0 <86 8DG C4946.050D ' <050 98C0D $ ' ' 89D 7 ' ' C79B .20 C76.' 97.0D <050 .2760 C85F0D ' ;@ .20 0:4.20.6 73 6 ' - ' 20 3456.' 73 .2060 <86 .20 B589D06.' 89D .20 C76.' =0"0;58.0D ' 97< .20 ' + ' ' 4.' 7==A:40D .20 6:8=0 ;0.<009 .{50 8:4E

' # 3# # #%# #" ' # 3# # # 40<' 73 790 73 .20 09.589=06 73 .20 =0"0;58.0D 75AC 73 58 89# 20 6ACG C4.' 73 .20 0D434=0 46 7==A:40D ;@ 8 .54AC:28# =85 .7 <24=2 37A5 275606 850 28590660D ' 89D 49 <24=2 .20 34BA50 73 .20 0C:0575 C8@ ;0 D46G .49BA4620D# 7 .20 54B2.' 89D "03.' 73 .20 SA8DG 54B8 850 .57:2406 89D 6.8.A06* 1 1 ' # ' # ' B4 ' 4! '9. ' ' # ' $ ' ' W##) ' # ' ' 1 # # ' # ' M 7 .20 C:0575 58 89 ' ABA6.A6 .20 &05C89 .20 8=489 ' 7?0504B9 79.433 ' ^49?06.0D <4.2 .20 .54;A94.489 :7<05 =796A# 375 .20 641.2 .4C0 ' 38.205 73 .20 =7A9.5@N* 1 456.' ;5866*

20 75AC 73 58 89 ' ;A4".' ;@ =7CC89D 73 .28.' 0C:0575 89D 67 =8""0D ;@ 24C60"3 <86 64.AG 8.0D 49 .20 .2 D46.54=.' 73 .20 =4.@ 86 # 4=.75 .06.43406# 479 98C06 86 4.6 85=24.0=.' :7 7E D75A6 73 8C86=A6 .20 68C0 <27 =796.5A=.0D .20 <79D053A" ;54DB0 7?05 .20 89A;0* .' <86 .7 349D 8 "0?0" 89D 8 6A4.8;"0 64.A8.479 375 .246 5097<90D 75AC .28.' 58 89 75D050D .20 / .7 ;0 5DA=0D 49 204B2.' 01G 8=."@ 67 C89@ 300.' 86 .20 6:458" =7"AC9 9AC;056 246 38=.' 286 ;009 01:5066"@ 6.8.0D ;@ 479 89D 46 =79345C0D ;@ .20 496=54:.479 79 .20 :4""85 4.60"3# M 0D " o ' ::># EHH N* 1 28.' 4.' <86 0C;0""462 0D 49 0?05@ :85. ' <4.2 6.8.A06 73 C09 89D 275606 89D <4.2 C4"4.85@ 0964B96 46 620<9 97.' 79"@ ;@ .20 8DC458;"@ 0I0=A.0D =749 M357C 8 3490"@ :50605?0D 6:0=4C09 73 <24=2 .20 8;7?0 =A.' 286 ;009 09B58?0DN ' ;A.' 286 8"67 ;009 50=75D0D 49 246.75@ ;@ 8A689486 89D A"A6 &0"E "4A6 .20 "8..05 73 <27C 8DD6 .28.' .2050 <86 496=54;0D 79 4.6 <8""6 6 ' $! ! ' " % .28.' 46 ' $' ' + ' 98C0"@ .2760 <24=2 <750

a # ' # K *

.8F09' 49' .20' 8=489' =8C:84B96'' CC489A6 85=0''''49A6' 6:08F6' 73' T'4.6' =796.5A=.479U' 86' T'C85?0''''7A6' 357C' .20' 0790A5509=0' 73' .20' D04.406 .20C60''?06U' " ' ' ' ' '

% ' 9D' 20' 6.8.06' T'4.6' B4B89.4=' :57:75.4796' .7' 28?0' ;009' 6A=2' 86' 6A5:8660D' D06=54:.479' 89D' =7A"D' 90?05' 8B849' ;0' :57DA=0D' ;@ .20' 8B09=@' 73' C89*U' 9o' "4?*N 1 C79B' 7.205' :40=06' 73' 60A":E .A50' <4.2' <24=2' 4.' <86' D0=758.0D' .20' 68C0' <54.05' C09.479\6 .20' 6.8.A0' 73' 58 89'/1 T' .20' ?05@' 790' M7;605?06' =F20"N' <24=2' 49' C@'7:4G 9479' 8:-0856' 79' 246' =7496' 6.5A=F' DA549B' 246' 64I.2' =796A"8.0*U' A.' .20' 6:"09D7A5' 73' .246' 0D434=0' 286' ;009' 8 9D0D'.7' 8.' 8' CA=2' "8.05' D8.0' ;@ 86647D7596' <2050' 20' 68@6 1 7 '$ ' ') ' ' ' ' ' 8@' 0?09' 8.' .20' ="760' 73' .20' 04B2.2' =09.A5@' 73' .20' 2546.489' r58' 4.6' 50C8496' <050' 6.4''''' 67' 50C85FG 8;"0' .28.' 7:0' &50B75@' .20' &508.' :86649B' .28.' <8@' <86' 604\0D' <4.2' 6A=2' 8DC458.479' 375' .20' B094A6' 73' .20' :549=0' <27' 28D' 58460D' 67' C8B9434G =09.' 8' C79AC09.' .28.' 20' 28D' .20' 285D4277D' .7' 6A:::"4=8.0' .20' A:50C0' 049B' 375' 58 89\6 0IG 0C:.479' 357C' .20' 0.0598'' :8496' 73' 20 '' 8' :58@05' <24=2' 86' .20' 6.75@' B706' <86' B589.0D' ' .27AB2' 4.' 46' C8..05' 73' 86.79462C=39.' 27<' 8A'' .20' D08G =79' MM9' ' F' 4 $$' - %' =7A"D' 28?0' =7A9G .0989=0D' 89D' :A;"4620D' 6A=2' 8'38;"0* 1 . ' ' ' ?4'' H>*

20' 0I=8?8.4796' 0I0=A.0D' ;@ 75D05' 73' .20' 509=2' B7?059C09.' 49' , ,>' 506A".0D' 49' D46G =7?0549B' .20' .58=06' 73' D4?056' 0D434=06' <24=2' 375G C05"@' 7598C09.0D' .20' 75AC' 89D' 83375D0D'.7' 89' 8;"0' 85=24.0=.' 9.7947' D4 #7C8946' .20' 7:::75G .A94.@' 73' "8@49B' 7A.' 8' :"89' 73' .20' 75AC'' 246' :"89' 46' B4?09' 49' .20' H5D' 0D4.479' 73' 85D494L6 6 ' ' :A;"4620D' 8.' #7C0' 49' , , ' <4.2' 97.06' 89D' 8DD4.4796' ;@ 9.7947' 0;;@' C0C;05 73' .20' #7C89' =8D0C@' 73' 5=2 r 7"7B@* 1 0A75E C89.'' + '6 ' :'' [*

20' 75AC' =79.8490D' <4.249' 4.6' 6:8=47A6' 09G ="76A50' ;064D06' .20' 0D434=0' 50:50609.0D' 49' .20' B7"D' 86' <0''' 86' ;5866' C49.' 73' 58 89' 7.205' 85G =24.0=.A58'' 7;0=.6' 73' B508.' 0"0B89=0' 73' D064B9' 89D' 54=29066' 73' 7598C09.'' 9' 790' 64D0' <86' 8' .0C:"0' ' 79' .20' 7.205' .20' 864"4=8' ":48' M60D' :'' , [N' 49' <24=2' 6.77D' 89' 0SA06.5489' 6.8.A0' 73' 58 89' ;579\0' ' 8"67' 9085' 4.' 8"4;585@'' 9D 49' .20' =09.50' 5760' .20' ;08A.43A'' :4'''85' <24=2' 0I46.6' 49' B77D' :50605?8.479' .7' .246' D8@*

9' B4?49B' 89' 09B58?49B' 73' .20' 3456.' ;5866' =749' <24=2' 50:50609.6' 8' .0C:"0' <4.2' "8.058'' :75.4=706' M89D' .<7' 34BA506' 68=5434=49B' 8.' 89' 8".85' ;03750' .20' $ ^ % ' '' 2'' 0975C89.' 49' 246' + ' 68@6 1 T' 246' ' ' + ' $' 7 ' .' <86' .27AB2.' .28.' 58 89' 28D' =8A60D' 4.' .7' ;0 050=.0D' 49' 2797A5' 73' 67C0' D4?494.@' 89D' .28.' 4.' <86' 8D5489' <27' 83.05' 28?49B' D0434=0D' 246' 8D7:.4?0' 38.205' =7960=58.0D' .246' .0C:"0' .7' 24C'' .' 46' C750' :57;8;"0' 89D' 4.' 46' <28.' .20' "0B09D6' 73' .<7' C0G D8"6' B4?0' A6' .7' A9D056.89D' .28.' .0C:"0' 49' SA06.479' M60D' 89' 09B58?49B' 73' 4.' :'' H[' 73' .246' D4=.47985@N' <86' D0D4=8.0D' .7' 58 89' DA549B' 246' "430E.4C0' ;@ 8' 098.A6' 796A".AC*U

1 & ' # # *1' ' .57:2@' 9085' <24=2' 46' 8' <7C89' 49' .20' 8..4G .AD0' 73' B5403' 608.0D' 79' .20' B57A9D*1 9' .20

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7;?0560' ' '' '' &'' 8AG 50''''0D' 208D' 73' 796.89.490' .20' &508.'' &7"D*1' 9B58?0D' 357C' 8' 6:0=4C09' 49' 54.462' A60AC*

#06:0=.49B' .20' 589=4' 89D' .20' "8C8994' 67' 350SA09."@' 89D' 79' ?8547A6' 7==864796' ?89SA4620D' ;@ 796.89.490' .20' 0==''06486.4=8'' 89D' 60=A"85' 246.754896' 73' .20' :0547D' 3A59462' 8;A9D89.' 49G 375C8.479' 86' D7' 8"67' .20' 8A.2756' 73' .20' :8906 B@54=6'' .' 8B5008;"@' .4=F"06' .20' 085' 73' 8' :07:"0' .7' 2085' 73' .2045' 090C406L' D0308.' 89D' .20503750' .20' 0I:5066479' 4 '6 ' <86' 97' 49G 8:::57:548.0' 6@979@C0' 375' .20' "8C8994' 89D' 589=4' 49' .20' 06.4C8.479' 73' 8' :07:"0' 67' 4A?0E' .058.0"@' 8..8=20D' 86' .20' #7C896' <050' .7' .20' =5A0'' 6:0=.8="06' 73' .20' =45=A6'' 75' 796.89.490' 8==75D49B' .7' A.57:4A6' M+*N' T'83.05' .20' 6"8AB2G .05' 73' .20' 589=4' 89D' "8C8994' .77F' .2045' F49B6' 89D' 0I:760D' .20C' .7' .20' 3A5@' 73' <4"D' ;086.6' ;@ <8@' 73' :A;"4=' 620<6' 73' C750' .289' 75D4985@' C8B9434=09=0*U' 9D' 357C' .28.' .4C0' .20' ' ! ' .77F' .2045' =7CC09=0C09..' <24=2' 850' 97.4=0D' 49' .20' =8"09D85' 73' 24"7=8"A6' <24=2' 8C;004A6' 286' :A;"4620D' 357C' .20' 4C:0G 548'' "4;585@*1 =F20"'' ?444'' *

' 79' 7.205' =7496' ' & ' # # 20' .@:0' 68C0' 86' 79' .20' 8;7?0' =749'' &7"D' 73' 546:96*1 M 89E' D 454 1 0''''0549' ' 4'' :'' , N*

20' 8A.275' 73' ' 68@6 1 T' 57C' .246' =749' <0' ="085"@' :05=04 ' .28.' .20' 0I:"74.6' 73' .20' 38.205' 850' 50=75D0D' 79' .20' C49.8B0' 73' .20' 679*U' A.' .24_'6A50"@' 46' 97.' ?05@' 0I.5875D4985@' 649=0' 4.' <86' 546:A6' <27' B8490D' C750' .289' 790' 73' .20' ?4=.75406' 8''' ADD' .7' 49' .20' 3750B749B' "0B09D' 8=.49B' 49' 246' SA8"4.@' 73' C685' 89D' 86' B09058'' 49' =7CC89D' 73' 89' 0I:0D4.47985@' 85C@' 99D05' 246' 38.205' 8B8496.' .2060' .<7' 98.4796' <2760' A94.0D' 50??"."357C' .20' #7C89' @7F0' 20' 0330=.AG 8''''@' 6A:::50660D' 49' '' '' H> *

! 1 20' =7A9.5@' .2A6' 98C0D' <86' 589E' =48' 5409.8"46' "@49B' ;0.<009' .20' 8490' 89D' .20' #2490' 89.0=0D09."@' 375C49B' :85.' 73' &05C8948'' ' <86' 8' 50B479' =2403"@' "@49B' ;0.<009' .20' 89A;0' 89D' .20' .CA2"' 790' 73' .20' 975.2059' .54;A.85406' 73' .20' 89A;0'' .' :50609.' 8''' .28.' <86' =8''''0D' "8C899484' 46' 49=''AD0D' 49' &05C89@* ! 1 20' :07:"0' 67' 98C0D' 49' 796.89G .490L6' .4C0' 850' 97.' .7' ;0' =7937A9D0D' <4.2' .20' &8A"6'' 9D' 8==75D49B' .7' :85.489A6' 89D' 4=.75' .20' ' <050' 8' D46.49=.' 98.479' 357C' .20' 589F6' 89D' &05C896*1 00' o ! ' .' 1 4 ' :'' H>*

'' ! 1 00' '59?'' ?'' :'' [* # &'' ! 1 00' *97:'' $ &' '' ' :' * & ' '' ! $ (' SH ' # & E' ! ' M 7' .20' 35A4.E;08549B' 0506N'' 00' :'' , a * # # ' #& *E&589.6' 73' 7C' .7' .20' "0;6' 496.4.A.0D' ;@ 05?8*1

0Ø &4 47*EEEE 0Ø 8"67 #0 $!' $$

' *

' B096 ' :"0;0489 ' ;A.' 73 =796A"85 58AF* .' .77F 4.6 6A598CØ 357C .2Ø .7<9 73 8"06 ' 49 8C:8948 0"4 I ' <20900D E ' 46 D054?0D* 1 ' 2Ø =7496 73 .246 38C4"@ =79646.' 73 79"@ 79Ø .@:0 ' 60558.0D D098544 ' 89D 5850* 2Ø 37""7<49B 46 8 D06=54:.479 73 4./1

' 4* <7 =79 7490D @7A.23A* 208D6 ' .2Ø 375C05 "89508.0D ' .2Ø "8..05 B8"08.0D* 03750 .2Ø 79Ø ! ' ;0"A9D .2Ø 7.205

8 1 * <7 30C8"Ø 34BA506 ' 79Ø 27"DG 49B 8 07CA07:4 r ' 89D 28?49B 8 08DA=096 89D * ;0249D 205 ' .2Ø 7.205 :8"AD8.0D ' 89D 27"DG 49B 8 6=0:.50 ' <4.2 54B2.' 377.' 79 8 B"7;0 ' ;0249D <24=2 46 496=54;0D *

#06:0=.49B .2Ø 208D6 73 ; ' 89D ' 8 97.4=0 73 .2Ø A=48 B096 C8@ 2Ø 5030550D .7* 1 ' 2Ø .@:0 79 .2Ø 50?0560 ' 49 <24=2 .8"@ 89D #7CØ 6.89D 74949B 289D6 ' 46 50B85D0D ;@ .2Ø "0859OD 86 8""A64?0 .7 .2Ø 506.758.479 73 :08=0 .39D 8C4.@ ;0.<009 .2Ø #7C896 89D .2Ø :07:"0 73 .2Ø D4330509.' .8"489 6.8.06 <209 8.' "09B.2 .2760 54B2.6 73 =4.4\09624:' <050 =79=0D0D .7 .2Ø "8..05 <24=2 ;@ 8 B09058* 50?7".' 89D 50675.' .7 85C6 ' .20@ 28D 67AB2.' .7 8=SA450* 1 85.2t"tC@ 503056 .246 =749 .7 .2Ø .508.@ 09.050D 49.7 ;@ A""8 <4.2 .2Ø 98.4796 73 .8"@ ;A.' 79"@ X ' 8C79B 7.205 =79 0=.4C06*

=F20* " ' a> N ' =7964D056 4.' D4334=9".' .7 D4?490 <4.2 <28.' C8B46.58=@ .2Ø A=496 A34A6 8"0996 5030550D .7 79 .246 D09854A6 <86 49?06.0D 89D <27 <86 .2Ø A=496 75DA6 <4.2 <27C .246 50?0560 A94.06 24C 49 =7""08BA0624:* 1 #4==47 M:* a N 6.8.06 .2Ø .2 .20 3456.' 98C0D <86 C790@05 73 .2Ø 50:A;"4= 8;7A.' 9 s " a N 89D 8=G =75D49B .7 479 .2Ø 68CØ :0567 9 <86 :50.75 49 =79 A9=.479 <4.2 A=496 75DA6*EEEE 8?0D794 =79=A56 49 .2Ø 7:49479 .28.' 79 .246 C0D8"' 49 24B2"@ 0I:50664?0 =2858=.056 46 50:50609.0D .2Ø 38C7A6 8=.' 73 50=79=4"48.479 8==7C:"4620D ;0G .<009 #7CØ 89D .8"@ 83.05 .2Ø CA5D057A6 67=48" <856* 0 8DD6 .28.' .2Ø 50C0C;589=0 2050 :05:0.A8.0D 73 .28.' 0?09.' CA6.' 28?0 ;009 89 06:0=48" 6A;0=.' 73 :54D0 .7 904A6 75DA6 ' ;0=8A6Ø .8"@ :8=4340D 620<0D 246 8..8=2C09.' ' MP% .7 .2Ø 64DØ 73 8:4A6 A.4"A6 3456.' B0906 58" 73 .2Ø #7C896 49 .2Ø .8"489 <85* 9 .246 D09854A6 <0 600 #7CØ ;0""4B0509.' 89D .8"@ 3056 .4"0 86 D46.49BA462OD ;@ .2045 506:0=.4?0 8..54G ;A.06 50=4:57=8""@ 73305 54B2.' 289D6 .7 08=2 7.205* 9D ;0=8A60 6A=2 50=79=4"48.479 28D ;009 0330=.G 0D 97.' ;@ 375=0 73 85C6 ;A.' .257AB2 .2Ø ?45G .AØ 89D 2797A5 73 .8"@ ' 73 <24=2 #7CØ <86 .2Ø =8:4.8"' 67 <0 600 2050 .2Ø 208D6 73 .206Ø .<7 D4?494.406 <27 28D 08=2 .2045 .0C:"0 ;A.' 67 A94.0D .7B0.205 ' .28.' 97 790 =74DD 09.05 .28.' 73 797A5 ' <4.27A.' 3456.' :86649B .257AB2 .28.' 73 45.AO*E5 0Ø ' ! ' =* :* a *

T 45B4* M7;605?06 DD4679N 49646.6 79 .2Ø 9AC;05 ' 49 4.6 D06=54:.479 89D 600C6 .7* 249.' 8.' .2Ø <49B6 <0 600 79 4.* 0 286 <75F0D A:' 6A=2 8 9746Ø 89D .05575 49 .2Ø =7C:764.479 73 246 2A9D05E;7".' 86 =8997.' ;0 0I:50660D ;@ 8 :09=4" 75 B58?49B .77"U / 1

506 4C;546 .75.4 58D476 .506 99;46 8S8768Ø DD4D0589.' 59.4"4 .506 4B946 0.' "4.46 A6.54* A"B7506 AA97 .=5534=76 6794.9CSAØ C0.ACSAØ 46=0;89.' 7:054 338CC46SAØ 60SA8=4;A6 4586* ' "4;* *

2500 58@6 73 <54.209 5849 ' 73 345Ø .2500 C750* 3 <49BØD 67A.2059 <49D6 89D =" 7AD@ 6.750 6 C89@ :85.6 .2Ø D508D3A" C4I.A5Ø 358C0 9D 30856 850 8DD0D 89D 8?09B49B 38C0* 7$5

C79B6.' 7.205 0I8C:"06 73 .2Ø $ 8:G :08549B 79 #7C89 =7496 850 .2Ø 37""7<49B 1 ' A"=89 46 6009 374B49B 4.' 49 .2Ø :50609=0 73 .2Ø B7DD066 4905?8 79 8 ;5866 C0D8"G "479 73 9.7949A6 4A6*1 456.' ;5866 =7496 6.5A=F A9D05 4;054A6 .7 .2Ø C0C75@ 73 ABA6G .A6 ;0854AB 375 7;?0560 "0B0AD 4<6 89D 4<6 # .@:43@ 246 :75.584.' <4.2 8 .2A9D05;7".' ;0375Ø 4. 86 43 2Ø <050 ;OG =7C0 .257AB2 246 8:7.207646 - + 89D 49?06.0D <4.2 .2Ø 3A"C498.49B :7<05 504B90D 49 208?09 <4.2 .2Ø F49B 73 B7D6 89D C09* 9D 86 KA:4.05 46 50:50609.0D ;08549B .2Ø .2A9D05E;7".' 67 .2Ø 34BA50 73 ABA6.A6 <4.2 58D48.0D 208D ' 89D 27"D49B .2Ø $ 8::0856 79 8 ;5866 C0D8""479 73 4;054A6 C49.0D ;@ .2Ø + ' 73 A54867 &' 858\798 :849 M09B58?0D 49 84""89.' F ' ; ' ; + N* 1 9 8 =749 73 897.205 46:89489 =7"79@ ?4* 00685E ABA6.8 ku % 6.5A=F 49 2797A5 73 ABA6.A6 DA549B 246 230E.4C0 <4B0D <49B0D 2A9G D05;7".' 64C4"85 .7 .28.' 79 .2Ø 8;7?0 09B58?49B* 9Ø 73 .2Ø 085"406.' 0I8C:"06 73 8 #7C89 =749 <4.2 89 08B"Ø 6.89D49B 79 .2Ø $ 46 .7 ;0 6009 79 8 D09854A6 73 * 9.7949 M60Ø :* > 73 .246 D4=.47985@N* 2Ø 68CØ 6@C;7" 8::0856 350SA09."@ 79 =7496 73 ABA6.A6 506.750D ;@ 4.A6 89D ;@ 7C4.489 04.205 467"8.=D"@ 75 <4.2 89 08B"Ø 6.89D49B 79 4.* 9 8 "85BØ ;5866 D0D408.0D .7 8"4BA"8 ;@ .2Ø :89462 =7"79@ 73 60685E 9BA6.8 M * * *N .2Ø #7C89 08B"Ø 46 :"8=0D 79 8 .2A9D05E;7".' ;0.<009 .<7 6.89DE

85D6⁴ 20 68C0 .@ : 0 7==A56 79 =7496 ⁴ ⁴ ⁴ #W_58O ' 6.5A=F A9D05 "8AD4A6 89D A9D05 057* 1 2050 46 8 "85BO ; 5866 73 &8" ; 8 ' 79 < 24=2 7C0 6.89D6 27"D49B .5896?0560"@ .20 "0B47985@ 6.89D85D ' <24=2 46 D46.49BA4620D ; @ 89 08B"0 ' <4.2 .20 $ = ' 49 246 .8"796 " ' ' ++ ' ⁴ ⁴% 20 ! ' X 6 "! J ' 73 4.0""4A6 286 .20 08B"0 89D .20 .2A9D05E ; 7". ' 375 4.6 8==7C : 89@49B .@ : 0* 1 06 : 86489L6 " " * ! ' 2) 4 ' 0I24 ; 4.6 8"67 .20 .2A9D05E ; 7". ' ; 0G 908.2 .20 ="8<6 73 .20 "0B47984@ 08B"0* 1 9 64"?05 73 06 : 86489 ' 89D 79 B7"D 89D 64"?05 73 4.A6 ' 8 : . 0856 8 .2A9D05E ; 7". ' : "8=0D 2754\79G .8""@ 79 8 .25790 M60D <77DE=A. ' ; 0"7<\N* 1 "G .27AB2 :0=A"485"@ 8664B90D .7 K7?0 ' .2050 850 496.89=06 73 .246 8..54 ; A.0 ; 049B 8 : : 57 : 548.0D .7 897.205 D4?494.@ ' ?4\⁴ K7?0L6 D8AB2.05* 1 9 64"?05 89D C4DD"0 ; 5866 73 4.A6 ' 89D C750 350G SA09."@ 73 7C4.489 ' 4905?8 6.89D6 27"D49B .20 ' 49 205 "03. ' 289D ' 89D .20 $ ' 49 205 54B2.* 1 ' "85BO ; 5866 73 7C4.489 0I24 ; 4.6 .20 60D09. ' 4C8B0 73 ! ##! $' " ' <4.2 .20 .2A9D05E ; 7". ' 89D 6 : 085⁴ " ' ++ ' $ ' I4?*N 1 97.205 "85BO ; 5866 73 7C4.489 50 : 50G 609.6 .20 0C : 0575 $ 27"D49B K7?0L6 .2A9G D05 49 246 54B2. ' 289D ' 89D .20 ' 73 D4?494.@ 49 246 "03. ' =57<90D ; @ 4=.75@ 357C ; 0249D⁴ " ' ⁴ ⁴ 7⁴ > N* / ! ##! ' " *D * ' 8B"0 <4.2 0I : 89D0D <49B6 6.89D49B 79 .20$ ' = ' 4"?05 89D C4DD"0 ; 5866 73 7G C4.489⁴ ") ' ⁴ ?4⁴ 7⁴ , N* / ⁴ * ! " ⁴ ! J ! ' 2A9D05E ; 7". ' 6A5C7A9.0D ; @ 89 08B"0⁴ ") ' $ ' I?44⁴ 7⁴ , N* 1 03750 SA4.G .49B ' .20 0I8C : "06 3A594620D 357C ' .20 "8?489 C49.8B06 ' 8 6 : 0=4C09 73 06 : 86489L6 64"?05 46 6A ; 7490D / 1

" . * ' (') ' (') 1 ' ' " ' ⁴ : ⁴ : ⁴ 20 $ ' ' : "8=0D 79 8 .25790 M?4\⁴ ' .28. ' 73 KA : 4.05N⁴ 20 ' "4B2.949B <86 50B85D0D 86 6@C ; 7"4=8⁴ 73 <85"4FO : 7 <05 M 4"D0N 1 8 : 7 <05 8"67 =79G 7490D⁴ M8==75D49B .7 0B05N <4.2 : A ; "4=⁴ A.4"4.@ ' 86 49D4=8.0D 79 8 D09854A6 73 .20 8 ; 48 B096⁴ M 0D : ⁴ H , ' 73 .246 ?7"AC0N⁴ 9 .20 " $!' # ! ' ⁴ ! ' ; 5866 C0D8""479 73 58 89 ' <0 60D .20 34BA50 73 KA : 4G .05 27"D49B 246 : 57.0=.49B 289D ' 85C0D ' <4.2 8 .2A9D05E ; 7". ' 7?05 .20 208D 73 .20 0C : 0575 ' 6.89D49B 8. ' 246 300.* 1 64C4"85 .@ : 0 46 D06=54 ; 0D ; @ 479A0. ' 357C 8 "85BO ; 5866 73 8D5489* 1 ' .<7E37"D 50 : 50609.8.479 73 .246 .A.0"85@ 7 ; 0=. ' 73 4C : 0548" 49?7=8.479 46 3490"@ D46 : "8@0D 79 8 ; 5866 C0D8""479 73 ⁴ 05A6 ' 49 <24=2 20 89D ⁴ A50"4A6 6.89D ; 0908.2 .20 .7<0549B 34BA50 73 T .20 2A9D0505*U 1 9 8 B7"D =749 73 9G .7949A6 496 ' .20 4C8BO 73 KA : 4.05 46 608.0D ' <4.2 .20 $ = ' 89D ' .20 "0B09D E ' ⁴ M : 89204C ' 5⁴ 4⁴ >aN* 1 20 "4B2.949B <86 0C ; "0C8.4=8" 73 4?490 57?4G D09=0 ' 86 46 ="085"@ 620<9 79 .2760 =7496 <24=2 50 : 50609. ' .20 $ ' =79 7490D .7 .20 "0B09D ' .7 ; 0 .0 9 79 B7"D 64"G ?05 89D "85BO ; 5866 73 9.7949A6⁴ M 0D 8 ; 7?0N⁴ 1 7496 6.5A=F A9D05 858=8""8 89D 8"67 A9D05 814C489A6 ' 506 : 0=.4?0"@ ; 085 375 .2045 .@ : 0 73

' * 1 '" *

50?0560 8 "479 <4.2 58D48.0D 208D ' =855@49B 8 .2A9D05E ; 7". ' 49 4.6 C7A.2* 1 9 8 ; 5866 C0D8"G "479 73 47="0.489A6 ' KA : 4.05 608.0D 27"D6 .20 $ ' 89D ' 89D 89 08B"0 6.89D6 8. ' 246 300.* 1 75 8 3490"@ D064B90D .@ : 0 73 #! ' (2 (@ 2 ' ; 589D46249B .20 $ ' 600 "0I89D05 0?05A6 ' :⁴ HH 73 .246 D4=.47985@* ABA6.A6 ' <209 49 : 849 ' 98557<"@ 06=8 : 0D ; 049B F4""0D ; @ "4B2.949B ' 89D .20"D 8 .2A9D05G 6.75C 49 B508. ' D508D 0?05 83.05<85D6* 1 00 "7?46 '9 ! A ' B096 ' : "0 ; 0489 ; A. ' =796A"85 EEEE 38C4"@ D46.49BA4620D 375 .20 24B2 7"34=06 7==AG : 40D ' 89D .20 .8"09.6 D46 : "8@0D ' ; @ 60?058⁴ 73 4.6 C0C ; 056⁴ . ' 286 79"@ .20 .<7 37""7<49B =7496 73 #7C89 D40 / 1

, ⁴ ⁴ &8"08.0D 208D 73 #7C0 ' ; 03750 4.' +* 1 6 *1 ⁴ ⁴ 0"7<' , ' " o ' 4=.75@ ' 98F0D .7 .20 <846. ' BA4D49B 8 ; 4B8 8. ' 6 : 00D >⁴ ⁴ ⁴*4 ⁴ S⁴ ⁴ ⁴ ⁴ 8C0 .@ : 0' 86 .20' : 50=0D49B* . ' 46 97. ' F97<9 <27 <050 .20 8A.2756 73 .2060 D09854* ' B096 ' : "0 ; 048 ' 73 <24=2 .20 37"G "7<49B .<7 C79=.8⁴ .@ : 06 79"@ 850 F97<9 / 1

, ⁴ 085D0D 89D "8A5=8.0D 208D 73 KA : 4.05* 1 ' 6 1 =⁴ ⁴ 4=.75@ 27"D49B 8 : 8"C ' ; 589=2 ' 89D ' =57<949B 8 .57 : 2@ ' 6A : : 75.0D 79 .20 627A"G D056 73 8 F900"49B ' =8 : .4?0 ' "W 9 ' 5030509=0 .7 ' =749 7⁴ ' =F20⁴ 68@6 T ' 057 8B849 .20 ' 89.4=4 : 8.479 73 246.754=8⁴ 49.0506. ' 58460D ; @ .20 98.A50 73 .20 8 ; 7?0 .@ : 0 ' 89D <24=2 ' 43 37A9D 79 89 4C : 0548" =749 ' <7A"D 6=85=0"@ 384⁴ .7 ; 0 508"460D ' 46 49 .246 =860 73 8 38C4"@ 0 ' D468 : : 749.0D⁴ . ' 46 79 97 <0"⁴ 8A.209.4=8.0D B57A9D6⁴ .28. ' 89.4SA85406 C8F0 7A. ' .246 A9D89496 .7 28?0 ; 009 8 0 ' 73 04 : 47L6 49 .20 AC89.490 <85 ' 89D⁴ .28. ' .20@ 8667=48.0 .20 .@ : 06 73 4=.75@ 89D .20 .57 : 2@ <4.2 .20L08 : .A50 73 .28. ' 5097<90D ' : 89462 ' =4.@ AC89.48 ' 83.05 4.6 .<09.@ @0856 73 50646.89=0 .7 .20 #7C89 : 7<05*U M?⁴ >>, *N

>⁴ &8"08.0D 208D 73 #7C0* 1 6 5 1 =⁴ E ⁴ 79 .20 0I05BAO⁴ ; 7?0 46 %⁴ M49.05 : 50.0D 0 % ' .54AC : 28⁴ 34BA50 <4.2 6=0 : .50 ' 75 6C8""⁴ <89D ' 49 246 289D ' 6.89D6 49 8 6"7<' SA8DG 54B8 ' BA4D0D ; @ 8 98F0D =24"D ' <27 46 608.0D 79 790 73 .20 275606 ' 89D =855406 8 ; 589=2 73 "8A50"* 8?0D794 89D 75B2064 ' =4.0D ; @ #4==47 ' .249F .28. ' .20 "4.." 0 ' 34BA50 <24=2 =79DA=.6 .20 SA8DG 54B8 ' 50 : 50609.0D 79 .246 D09854A6 ' <86 C089. ' 375 .20 ' $ ' + ' 75 679 73 67C0 : 8.54E

={89 .54AC:205 $ 0 M64..49B 79 .20 27560 901. .7 .28. @7FOD .7 .20 :7"0 73 .20 =85N .7 <27C 4. <7A"D <0"" ;0"79B .7 ;085 .20 ;589=2 73 "8A50" 1 .28. .246 =749 50=8""6 .7 50G C0C;589=0 .20 .54AC:2 73 &8496 854A6 375 246 ?4=.75406 7?05 .20 4C;54 49 [H 9$ ' " ' , ,N 1 .28. .20 ;7@ 79 .20 27560 <7A"D .20503750 ;0 .20 @7A9B 854A6 1 .28. "86."@ .20 C790@05 49 .246 =860 <7A"D ;0 &8496 A9D894A6 38.205 73 .20 38.205E49E"8< 73 .20 C76. "08590D 855s 50=75D0D 2@ A @ M8D % 5 "4; 4 0: > i HN* ^ 246 46 8"" ?05@ ="0?05 89D B4?06 89 246.754=8 49.0506. .7 .20 .@:0 385 C750 8..58=.4?0 .289 8 C050"@ 8""0B754=8 790 =7A"D 4C:85. 2A. 83.05 <28. =F20" =749=4D49B <4.2 866054 68@6 73 6A=2 34BA506 73 =24"D509 4. 600C6 ;06. .7 50B85D .20 49389. =8?8"405 79 .20 8;7?0 50?0560 86 790 73 .2760 ?8BA0 89D 389=43A =508.479 73 #7C89 6A:056.4.479 =8""0D 8 & 1 00 3;_E : : HaH =A. 7 HQ* 20 D09854A6 73 .246 38C4"@ 28?49B ;009 37A9D 8C79B6. .20 D0:764. M90 54:76.4B"47N 73 4067"0 4. :764.4?0"@ 506A". 6 .28. 4. <86 6.5A=F ;03750 9$ ' " ' N 1 #4==47 : a[N* # M 20 37A9D05 75 06.8E 2"46205 73 :08=0N 1 246 C8B9434=09. .4."0 8=G =7C:89@49B .20 .@:0 73 .20 0C:0575 6.89D49B .7B8.0D 89D ?04"0D <4.2 89 7"4?0 ;589=2 49 246 54B2. 289D 8::0856 79 .20 50?0560 73 8=749 73 0: 0?05A6 M;7.2 B7"D 89D 64""?05N 6.5A=F :57G ;8;"@ 83.05 246 0I:0D4.479 8B8496. 89D ?4=.75@ 7?05 .20 85.24896 7. 79"@ 246 =5A0 679 &858E =8""8 2A. 0?09 KA"48 7C98 246 <430 <86 8""7<0D ;@ .20 3"8..05@ 73 .20 68C0 C49. <24=2 =8""0D 205 .7 62850 .20 2797A5 73 37A9D49B :08=0 M86 A6A8" 79 .20 <4"D059066EC8F49B :549=4:"0 73 #7C89 :7"4=@*N # 1 00 " 3 ! 18"67 & H* # B096 :8.54=48 8C79B6. <2760 C0CG ;056 <86 .20 B508. &8C4""A6 ;A. 20 46 97. 97.4=0D 79 4.6=7496 . 8"67 49="ADOD 7.205 B508. C09 <27 34""0D 24B2 0C:"7@C09.6 A9D05 .20 50:A;"4= 246 B096 ;589=20D 49.7 38C4"406 <2760 50G 6:0=.4?0 6A598C06 86 .20@ 8::085 79 D098544 850 * . 46 A9=05.849 <20.205 .20 57==24 <050 73 :8.54=489 589F 75 97. 09 9AC46C8.4= ?8540.406 850 B4?09 49 750" 89D 04B2. 49 #4==47 <27 7;605?06 1 T 64 28997 D4 0668 C7".0 C790.0 0. "8 .0558 90 Dc 6:0667 D0""0 9A7?0*U &7"D ?05@ 5850 64"?05 =7CC79 .6 ;5866 850 .20 89D 4.6 :85.6 20 37""7<49B 850 8C79B 4.6 :549=4:8 D09854 / 1

80;= .54AC?45 A54A6 57==2A6 679 73 &0C6 CA6. 28?0 ;009 C790@05 8;7A. 20 @085 9$ ' " ' , , N 20 <4.2 386=06 89D 20 208D 73 0506 D7A;."066 8""AD0 .7 67C0 B"75@ 73 .20 A548 B096 89D :0528:6 .7 .20 3456. :50375 73 #7C0 A = B B B' 9$ " ' H N 89D <27 49 .28. 8B0 73 .20 50:A;"4= <86 0 + ': ;A. 4. 46 C750 5086798;"0 .7 50B85D 20 208D 73 0506 86 503058;"0 .7 67C0 D46.49BA4620D =A5A"0 0D4"0624:49 .246 38C4"@ .289 .7 .20 8=240?0C09.6 73 .20 3456. :50.75 .20 =2845 <4.2 .20 8I0DE 386=06 6.4"" C750 6.579B"@ :749.6 .7 .20 D4=.8.75G 624:73 A54A6 8C4 A6* 2060"0B89. D09854 .257AB2 .20 D46=7?05@ 73 C790.8 D0:764.6 850 620<9 .7 ;0"79B .7 8 .4C0 89.05475 .7 9$ ' " ' N (0 2050 600 8==09.6 0C:"7@0D 49 .20 8;;50?48.479 73 <75D6 89D 8"67 89 0I8C:"0 73 503490C09. 49 :579A9=48.479 .246 ?05@ <75D % $! ;049B A60D 496.08D 73 % ! / #4==47 a Ea * > ' 08D 73 8 .A550.0D <7C89 ;0249D 4. 46 8 2AC89 377.1 6 1 : % * ! 496=54;0D 79 .20 3579. 73 8 =A5A"0 =2845 1 9 .20 0I05BA0 " * ! 1 00 89 09B58?49B 73 .246 349 D09854A6 49 : ,>* @ .20 "86. <75D 4. 46 ="085 .28. 357C .20 .24=F9066 73 .20 377. .246 ;589=2 73 .20 A548 B096 D054?0D 4.6 :0=A"485 6A598C0 A54A6 73 .20 .24=F 377. 9 + % =A5A"0 0D4"0 CA6. 28?0 ;009 =79.0C:7585@ <4.2 8994A6 89D 50E .794A6 M:"0;0489 0D4"06 600 : ,>N 89D =79G 60SA09."@ C8B46.58.0 49 a 9$ " ' [N @ .20 208D 73 @;0"0 89D .20 =2845 73 7334=0 5030509=0 46 C8D0 .7 .20 0B8"06489 B8C06 =0"0;58.0D <4.2 0I.5875D4985@ :7C 49 .20 @085 8;7?0E 98C0D 1 #4==47 : a H 7?## 08D 73 K89A6 ;435796 ;085D0D 89D "8A508.0D 1 6 1 # !0! * #7C0 6.7".8.0D 89D B8"08.0D 6.89D6 27"D49B 8 600:.50 89D .20 286.8 49 .20 "03. 289D 89D =57<949B 8 .57:2@ <4.2 .20 54B2.1 9B58?0D 49 ' # $ A548 B096 7 444* A54A6 24"A6 679 73 A=4A6 46 =79G 64D050D ;@ 5649 37""7<0D ;@ 84 89. 89D 8?05=8C: .7 28?0 ;009 90:20< 73 A54A6 24"A6 =796A" <27 .7B0.205 <4.2 &84A6 "8E C494A6 09 7@0D .20 2797A56 73 .20 .54AC:2 375 ?4=.75406 B8490D 7?05 .20 4BA5489 &8A"6 49 [H, 9$ ' " ' >>HN 38.205 73 .20 :50.75 73 [H 9$ ' " ' , ,N 9 246 C790.8 .54AC?458.0 <24=2 7=G =A550D 8;7A. 20 C4DD"0 73 .20 =09.A5@ 83.05G <85D6 A54A6 49 2797A5 73 246 38C4"@ <86 :"0860D .7 50:50609. .20 .54AC:2 49 SA06.479 1 0D 3A5.205 50C85F6 ;@ #4==47 79 .246 D09854A6* 08D 73 #7C0 B8"08.0D ;0249D 4. +1 6 1 #: 507 4898 <4.2 .20 =506=09. 79 205 3750208D 49 8 ;4B8 8.6:00D 8;7?0 46 .20 75 :A5:"0E620"" 1 8""A64?0 .7 .20 6A598C0 73 # + 866AC0D ;@ .246 ;589=2 73 .20 A548 B096*

246 =749 46 8664B90D ;@ =F20 .7 A=4A6 A54A6 A5:A507 <27 <86 :50.75 A9D05 .20 =796A" & A50"4A6 &7..8 49 [[9$ ' " ' > N 1 75B;064 ;0"40?06 .28. .20 C790@05 73 .20 D0G 9854A6 8;7?0 D06=44;0D <86 .20 A=4A6 A54A6 A5:A507 <27 49 .20 @085 8;7?0EC09.4790D

, 95 ?.8 A6.73 0506 =57<90D <4.2 =759E0856 ;0249D .20 208D 46 89 085 73 <208. 89D ;03750 4. 8 B5849 73 ;85"0@ 1 # *1 4 4 =A5A"0 =2845 ;0.<009 .<7 386=06 <4.2 8106*

H

B77D 204B2.2 89D 8D589.8B07A6 34BA50 46 3750208D <86 <549F"0D 246 9760 8SA4"490 89D 246 208D ;8"0 49 3579. 8"27ABZ 79 C850D 49 73 246 =7496 M06:0=48""@ .2760 49 "85B0 ;5866N5 .28. D030=. 46 C750 75 "066 =79=08"0D 20 0C:"7@G C09.6 .257AB2 <24=2 20 :8660D 28D B4?09 24C ;C902 01:05409=0 89D 20 8::080D .7 ;0 <75.2@ 73 =7CC89D49B #7C896 ;A.246 28562 4901758;"0 =2858=.05 89D .20 675D4D 8?854=0 73 246 D46:764.479 <24=2 D46:"8@0D 4.60"3 49 09G D08?7A56 ;@ A9.4C0"@ :8564C79@ .7 50:"09462 89 0128A6.0D .5086A5@ .2060 .7B0.205 <4.2 246 90B"0=.73 ;A;"4= 8338456 <24=2 20 "03. .7 3A9=G .47985406 <27 =7CC4..0D 493494.0 8=.6 73 49G A6.4=0 A9D05 246 98C0 509D050D 24C 67 589=2 .20 C750 7D47A6 86 20 28D =8A60D 0571G C4946G .056 .7 ;0 :A. .7 D08.2 20 8330=.4796 73 .20 :50.75489 BA85D 89D 73 .20 506. 73 .20 85C@ 20 A..05"@ 06.589B0D ;@ .20 503A68 73 8 .7 <24=2 .20@ =7964D050D .20C60"?06 09.4."0D 20 =7960SA09=0 73 .246 <86 .28. .20 85C@ 73 &05C8948 A:05475 .77F .20 "08D 49 .257<49B 733 4.6 8""0B489=0 (209 .246 0?09. <86 8997A9=0D .7 .20 0C:0575 20 4CB4900D .28. 20 28D 49=A550D =79.0C:. 97. ;@ 246 38A".6 ;A. 79 8==7A9. 73 246 8D?89=0D 89D =24"D"066 8B0 89D 8==75D49B"@ 20 8D7:.0D 467 5AB4 4=4948AA6 M 8=4. 46.4 , N 8 97;"0 89D D46.49BA4620D @7A9B C89 79 .20 , .2 73 K89A85@ >>9 aN A. 20 C8550D .20 0330=.73 8 :57=00D49B 49 4.60"3 "8AD8;"0 89D 8==0:.8;"0 .7 .20 :07:"0 ;@ 8 35062 496.89=0 73 ;46 4998.0 8?854=0 75 <209 79 .20 49.57DA=.479 73 246 8D7:.0D 679 467 .7 .20 67"D405@ 20 6.4"" 7C4..0D 8"" C09.479 73 .20 D798.4?0 8. 8 .4C0 <24=2 67 :0=A"485"@ D0C89D0D 4.1 .27 =28B5490D 8. 60049B 89G 7.205 :5030550D .7 24C60"3 86 .20 8D7:.0D 679 73 &8";8 8?84"0D 24C60"3 73 .20 50=09."@ 01G =4.0D 300"49B6 73 .20 85C@ W89D .77F :7660667 73 .20 =8C:.64 D8@6 83.05 .20 8D7:.479 20 B09058 300"49B ;049B .2A6 .589630550D .7 .20 90< =2403 &8";8 <86 D0605.0D ;@ 246 8D20509.6 89D .7B0.205 <4.2 467 <86 866866498.0D 79 .20 ,[.2 73 K89A85@ 73 .20 68C0 @085*1 0 =F20" ?4 >aa1 08A?846 4 ,

46 6.@"0 79 =7496 46 & 1 # # & # &# #* 1 # & # #& 1 20 ;5866 89D 64"?05 M<4.2 67C0 D46G .49BA4620D 01=0:.4796N 850 =7CC79 .20 B7"D 850 5850 M506.4.A.4796 ;@ 58 89 ?05@ 5850N 89D 97.<4.26.89D49B 246 ?05@ ;5403 504B9 .20 <27"0 0124;4.60?058 =A547A6 50?05606*

75 8 6:0=4C09 73 246 :75.584.A50 49 64"?05 600 * * *1 K*E # #& & &# 850 208D 73 .20 0C:0575*

& & *

< o / " " 3 ! '# * ! " ! $ M 8"A0D ;@ 47990.8.' >'35*N 1 ! = M 57AB2. 8. .20 27C86 68"0 $H a6*N 1 # $ M .* 35*N 1 0C8"0 27"D49B 0856 73 =759 M 0?796245 68"0 $, ,>6*N 1 CG :0575 79 27560;8=F M 58.."0 68"0 $>'>6*N 1 0C8"0 <4.2 0856 73 =7C* M 57AB2. $, >, [6 8.20 27C86 68"0N_1 4;05.@ 6.89DG 49B M#06.750D ;@ 58 89 8"A0D ;@ 47990. 8. > 35*N 1 0 $ $ s ! M .* [35*N H >

& *1& * H

1 + M,>'35*N 1 =* 4"4G .85@ 34BA50 M 27C86 68"0 $a " 6*NEEEE $?4 4I M .* >'35*N 1 o ! M 27C86 $, 6*N 1 ! $ $ $! M 58.."0 $>', 6*N 1 # :* M 58.."0 $, , 6*N 1 4=.75@ <54.49B 79 8 ;A=F"05 M .* 35*N !O * 1& OO! / ! # ! M .* H 35*N 1 M >'35*N 1 6* .* M =* 6* M 27C86 $ 6*N 1 6? % 08D 73 :849* M> 35*N * & * 1 o " ! 20 0C:0575 28589BA49B 246 67"D4056* M .* H 35* 0C <77DE =A. 49 :* *N 1 # M 58.."0 68"0 $ >6* D*N 1 + 6* =* =? * M$>' 6* 8. .20' 5AC0"" 68"0N*EEEE ! # ! " o ! o M 58.."0 $>' >6*N 1 ! $ # $O!" M 27G C86 68"0 $, 6*NEEEEo!$$$ $! M .* H 35*N 1 s? & 466 * 5=2* M 0G ?7962450 68"0 $>' >6*N / ! 6666 M .* 35*NEEEE 2 2' $! MH 35*NEEEE & * M 35*1 20 =4.@ :056794340D 608.0D 79 85C7A5* M 24B2"@ :50G 605?0D 3490"@ :8.498.0D 6:0=4C09;57AB2.$ 6* D* 8.20 8C:898 68"0N* & *EEEE 20 B8"08.0D 75 20"C0D 208D 73 89 0C:0575 46 97. A9350S909. 357C .20 .4C0 73 57;A6 89D 4. 46 6.4"" C750 =7CC79 79 B7"D =7496 73 .20 "7<05 0C:450 06:0=48""@ <209 .20 0C:0575 46 50:50609.0D 49 3A"" :897:"@ 20 20"C0. 46 67C0.4C06 09=45="0D <4.2 .20 "8CE0" =57<9 75 <4.2 58@6* 1 * ?44* H ,*

& # # *1 00 1 o *! & # 75 +8 8 =8: .20 C85F 73 4;05.@ 00 0!$ 1 .46 8"67 .20 8..54G ;A.0 73 05=A5@ 00 # & * , *1 00 # o " ! ! & 8 :"0;0489 38C4"@ ;0"79B49B .7 <24=2 850 .20 37""7<49B .2500 =7496 49 "85B0 89D C4DD"0 ;5866 8""=7CC79/1

* ' & ' ' ' ". # ' ' ' ' :* :* M600:' ,N *=*1 6 *1 =4?46' $.' 76' <4.249' 8 =57<9' 73' "8A50"' ;0.<009'.<7' ;589=206'73'.20'68C0*

>* ;?0560 A94375C <4.2 .20 :50=0D49B*1 6 ' 4 4= 49 8 "8A50" =57<9* H* * 1 850 208D 73 9BA6.A6*EEE 6 1 =* = 00 444?4 * * * * * 9 .20 340"D 6* =* &8496 &8""A6 A:05=A6 <86 C790.8" .54AC?45 A9D05 .20 B7?059C09. 73 =.8?489A6 ABA6.A6 97. ;03750 >' 9s ' ' > N 49 <24=2 @085 .20 "8..05 866AC0D .20 .4."0 73 60685* 20 =57<96* 73 "8A50" 850 .2760 ?7.0D .7 .20 C:0575 ;@ .20 098.0 89D .20 #7C89 07:"0 89D .20 6* =* 46 8""A64?0 .7 .20 :5057B8.4?0 73 .20 098.0 .7 6.54FO ;5866 =7496 <24"6. .7 .20 0C:0575 ;0"79B0D .20 :54?4"0B06 73 .20 B7"D 89D 64"?05 C49.6*

& *1 &8A" 89=409."@ =7C:5460D .20 .05G 54.75406 <24=2 850 97<' =8""0D 589=0 89D 7CG ;85D@ 20 375C05 ;049B ;0@79D .2C 7A9G .8496 86 50B85D6 #7C0 28D .20 98C0 73 4 K+ 89D .20 "8..05 + 1 5896G 8":490 &8A" 8B849 <86 6A;D4?4D0D 49.7 .2500 :85.6 98C0"@ 89D * 7B8.8 <24=2 "8@ 79 .20 64D0 73 .8"@ <86 67

& * & * [

@085 ' &8""409A6 <86 09B8B0D 49 .20 <85 <4.2 .20 4 357C <24=2 20 D054?0D 246 C4"4.85@ 2797A56*

, , '9 ' '>[N*1 796A" 375 .20 .245D .4C0 46 50 : 08. 0D ?4=.7540 6 49 &05C8948 7 ; .8490D 375 24C 86 <0"" 86 375 246 38.205 .20 6A598C0 73 &092894=A6*

, , , '9 ' ' >[N*1 76.ACA6 49?8D0D 89D .77F :766066479 73 .20 &8""4=' :75.479 73 .20 0C:450*

, ,> 9 ' '>[aN*1 76.ACA6 28?49B B7.' :766066479 73 &8""7949A6 89D .7 246 7<9 4901 : 48;"0 D462797A5 ' :A.' 24C .7 D08.2 &8""409A6 =79.09.0D 24C60"3 <4.2 :"8=49B ;46 CA5D050D 679 49 .20 589F 73 .20 B7D6

, ,H 9 ' '> N*1 246 @085 4.' 46 ;0"40?0D 8"05489 60=058" C4"4.85@ B7?059756 49 D4330509.' :57?49=06 A6A5:0D .20 67?0504B9 8A.275 .@*1 &8""409A6 :57=00D0D =796A" 375 .20 37A5.2 .4C0*

, , '9 ' '> ,N*1 A549B .20 =8:.4?4.@ 73 8"05489 60?058" C4"4.85@ B7?059756 49 D4330509.' :57?49=06 A6A5:0D .20 67?0504B9 8A.275 .@*1 C79B6.' .20C <86 9B09AA6 49 =0648 <27 27<0?05 <86 .8F09 89D D0=8:4.8.0D ;@ &8 40996" "67 0B8"489A6 49 " @54=AC 8=5489A6 89D 246 6796 49 .20 86. 89D 7.205 :50.09D056 73 "066 4C:75.89=0

8"46.8 :5030=.' 73 .20 :50.754896 A9D05 8"0G 5489 49 =79 A9=.479 <4.2 D098.2A6 49B 73 8"C@4E8 D57?0 8:75 357C <@548 49.7 05648 89D 50E06.8;"4620D 75 8.' "086.' 6A6.8490D 375 8 .4C0 .20 #7C89 :7<05 49 .20 86.*

, , ['9 '7' > >N*1 &8""409A6 =796A" 375 .20 343.2 .4C0 =0"0;58.0D 8 .54AC:2 7?05 .20 05G 64896 =79SA050D ;@ D098.2A6 6 790 60.' 73 A6A5:056 30"" 7.2056 5760 .7 866AC0 .20 :A5:"0*

, , '9 ' '> HN*1 #0.A5949B .7 #7C0 &8"G "409A6 3A"34""0D .20 50;0""4A6 50"8.06 .28.' .246 0C:0575 28?49B .8F09 @\89G .4AC 89D 49 6:4.0 73 6 :57C460 .7 .20 =79G .585@ :A.' 4.6 B8554679 .7 .20 6<75D 50.A590D 49 8"" 286.0 .7 C0 86 .27AB2 20 28D 8==7CG :"4620D 8 B508.' 89D "8AD8;"0 <75F 89D .2050 =0"0;58.0D .20

, , '9 ' '> N*1 &8""409A6 =796A" 375 .20 641.2 .4C0 49?06.0D D098.2A6 375 246 ?4=.7540 6 7?05 .20 0564896 <4.2 8"" .20 2797A56 73 89 ABA6.A6*

, , '9 ' '> [N*1 8"0548996 A9475 ;57.205 73 &8""409A6 :57=00D0D =796A" 49 =7 08BA0624:' <4.2 8=57 A=A""A6 #A349489A6*

, ,a 9 '7' > N*1 &8""409A6 =796A" 375 .20 60?09.2 .4C0 7 .246 @085 4""0C79.' 503056 .20 D06.5A=.4?0 49?8647 73 4.2@948 89D 8 "85B0 :75.479 73 648 4975 ;@ .20 =@.24896*

, > ' 9 ' ' > N*EEEE 20 &7.26 .246 @085 8B849 "84D <86.0 80648 89D .20 05A"4 58?8B0D &500=0 89D 648 &8""409A6 60.' 7A.' 375 &500=0 .7 34B2.' .2060 ;85;854896*

GHUG 9 ' '> N*1 #0=8""0D 49.7 .8"@ ;@ .20 60D4.479 73 A507"A6 <27 ;8D D0="850D 24C60"3 0C:0575 89D <24"6.' ;0640B49B 49 4"89 .20 90< =7C:0.4.75 &8""409A6 <86 866866498.0D ;@ =79G 6:458.756 49 .20 C79.2 73 85=2 49 .20 [.2 @085 73 246 8B0 0 28D C85540D 7590"48 8"79498 ;@ <27C 20 28D 8"7949 96*

A=2 7;6050?06 .20 AD4=47A6 =F20" 1 6A=2 <86 .20 09D 73 &8""409A6 89 0C:0575*

.7 <27C 246.754896 28?0 86=54;0D 0?05@ ?4=0 4C8B498;"0 89D <2760 :57:05 ?7=8.479 600C0D .7 ;0 97.' .20 B7?059C09.' 73 8 .8.0 ;A.' .20 49DA"B09=0 73 6"7.2 89D A9;799D0D "4=09.47A6G 9066 89D .246 8.' 8 A9=.A50 <209 89 0C:450 D4?4D0D 8C79B 67 C89@ A6A5:056 ' .20 49=A564796 73 ;85;85489 275D06 357C 0?05@ 64D0 .20 50G 90<0D 58?8B06 73 .20 :"8BA0 <24=2 =7CC09=0D 49 .20 504B9 73 50;79489A6 1 D0C89D0D 8 :549=0D 09D7<0D <4.2 C758" ^20 <86 97.' D034=409.' 49 :2@6408"0 =7A58B0 C8B9894C4.@ 89D D0=46479 3 .20 =5A0".@ 89D ?49D4=.4?0906 73 246 =28G 58=.05 <0 C8@ B8.205 67C0 97.479 35C 20 0:46."0 49 <24=2 20 09 7496 0"05 05489A6 .7 D06.57@ .20 :85.46896 73 .20 A6A5:05 9B09AA6 éCA.4"8.0 .20C L 20 68@6 éF4"" 89D 0I.05C498.0 .20C @7A A9D056.89D C@ C49D 506:0=.49B .20C 8F0 @7A5 7<9 .20 58B0 73 24C <27 <54.06 .2060 75D056 <4.2 246 7<9 289D*L (4.2 6A=2 :05?05.0D 300"49B6 4.' 46 97 C8..05 73 6A5G :5460 .28.' 7 246 7.205 D0"49SA09=06 627A"D 28?0 8DD0D .20 8"C76.' 49=50D4;"0 4C:40.@ 73 "77F49B 79 A9C7?0D 8.' .20 =8:.4?4.@ 89D 4B97G C4947A6 .508.C09.' 73 246 38.205 ;@ .20 0564896 89D .28.' .246 <86 .20 79"@ 49 A5@ <24=2 20 C8490D A98?09B0D ;@ 790 <27 49 0?05@ 7.205 =860 ;028?0D <4.2 4C:"8=8;"0 60?054.@ 2050 46 27<0?05 .20 ;06.' 508679 375 6A::7649B .28.' 20 :5030550D 246 38.205L6=8:.4?4.@ 7 246 3500"7 <4986CA=2 86 8"05489L6 6.54=.' C758"6 <050 8 :05G :0.A8 50:578=2 .7 246 7<9 0975C4.406 79G 60SA09."@ 4.' 46 97.' 67 CA=2 .7 20 <79D050D 8.' .28.' .246 A9<75.2@ :549=0 <86 =A.' 733 8.' "86.' ;@ 246 7<9 6A;0=.6 86 .28.' 67 "79B 8 .4C0 0"8:60D ;0375 8 05=A"06 8::0850D .7 6A::5066 6A=2 8 C796.05* 1 . ' ' ?44 Ha *

20 ;5866 =7496 73 &8""409A6 850 375 .20 C76.' :85.' =7CC79 67 850 .2760 49 ;4""79 B7"D 89D :A50 64"?05 ?05@ 5850 9 .2060 20 46 6.@"0D & ' ' +' &8""409A6 8:.0856 79 67C0 73 246 =7496 <4.2 8"0548996 8"79498 89D 8"7949A6 C79B6.' .20 C790@ 6.5A0F ;@ .246 0C:0575 850 .7 ;0 97.0D .20 :40=06 <24=2 20 =8A60D .7 ;0 506.750D 49 2797A5 73 C89@ 73 246 :50D0=066756 <27 28D ;009 :"8=0D ;@ =7960=58.479 49 .20 589F 73 .20 B7D6 357C ABA6.A6 D7<9 .7 "0189D05 0?05A6 .' D0605?06 2050 .7 20 50C85F0D .28.' 357C .20 504B9 73 0 :.# 0?05A6 .7 &8""409A6 .20 6.89D85D 73 .20 64"?05 =7498B0 <86 6A==0664?0"@ 50DA=0D 2060 :40=06 850 =A6.7C854"@ D064B98.0D 86 ;049B 73 64"?05 8".27AB2 .28.' C0.8 28D :57B50664?0"@ ;009 8""7@0D 49.7 ;4""79 73 8 ?05@ "7<' 6.89D85D 57C .20 8B0 73 &8""409A6 64"?05 C790@ ;0=7CG 49B C750 89D C750 D0;860D 89D @0.' 67C0 =7496 73 :A50 64"?05 28?49B 7==864798""@ ;009 6.5A=F 20 ;4""79 :40=06 850 ="8660D 60:858.0"@ 7 .8F0 .20 D8.0 357C "8AD4A6 &7.24=A6 .2060 =7496 <050 97 ;0..05 .289 =7::05 <8620D <4.2 64"?05 86 50E06.8;"4620D 1 00 09949 ' ?7"4 : H>'

& ' ' & *

7 :8B89 :549=0 :0528:6 .06.4340D 246 D0G ?7.479 .7 67 C89@ D4?494.406 86 &8""409A6 D4D 79

& *

246' =7496'# 2050' 850' 50?0560'6 49' 246' C49.' <24=2' 506 : 0=.4?0"@' 0I24 ; 4.' .20' 4C8B06' 73' KA : 4.05 ' 0 : 0' .A90'# 856 ' 05=A5@ ' 4898 ' 4905?8 ' .20' A9 ' A"=89 ' 8==2A6 ' 4=.7548 ' 05=A"06 ' 0A6' AG BA6.A6 ' 89D' 8 ; 7?0' 8 ' .20' 506. ' :7"'"7 ' <27C' .20' =7496' 73' .246' 0C : 0575' D0 : 4=.A50' 49' ?8547A6' 8..450'# .' <7A"D' 600C' 49D00D' .28. ' 8C4D6.' .20' 6A557A9D49B' : 054"6' 89D' =8"8C4.406' 73' 246' .4C0 ' 357C' :06.4"09=0 ' 357C' 085.2SA8F06 ' 89D' 357C' .20' 6"8AB2.05' 73' <856' .2508.0949B' 24C' 89D' .20' 0C : 450' 4.60"3' <4.2' D06.5A=.479 ' &8"'409A6' <86' 8==A6.7C0D' .7' 49?7FO' 8"C76.' 8"'"# .20' ' + ' 375' 246'

20' 37"'"7<49B' 850' 8C79B' .20' 58506.' 50?0560'6 / < o ' oo! / " ' " % * ! ' (2 ' C : 0575' 6.89D49B' 49' C4"4.85@' 28 ; 4. ' 27"D49B' .20' ; 86.8' : A58 ' 49' .20' C4D6.' 73' 37A5' C4"4.85@' 0964B96'# M 8"A0D' ; @ 47990.' 8.' H 3589=6N*EEEE %! !' = ! ' M C8"'"# C0D8"'"479 ; 57AB2.' $H' a6'# D'# 8.' .20' 5AC0"'"# 68"0N* 1 %! ' 4 4 # (7C89' 89D' .<7' 0964B96'# 7A ; "0' 8A50A6'# M 8"A0D' ; @ 47990.' 8.' > ' 35'# 57AB2.' $, ' 8.' .20' 27C86' 68"0N* 1 ! #' !'" ' ' CG : 0575' 79' 27560 ; 8=F ' 27"D49B' 8' "89=0 ' : 50=0D0D' ; @' 8' 67"D405 ' 89D' 37"'"7<0D' ; @' 8' 4=.75@' .28. ' =57<96' 24C* 1 M .'# ' 35*N 1 !* ' oo! !' ??7?6 4'# C : 0575 ' 27"D49B' 49' 08=2' 289D' 8' "8 ; 85AC'# M .'# > ' 35*N

!O *' oo! / $' " * $ # 1 # ' 1 # # # M .'# >' 35'# 08=2N* 1 ' # M .'# , ' 35'# ' 6 : 0=4C09' 8.' .20' 8C6' : 898' 68"0' ; 57AB2.' $, ' H6*N 1 #! '% o *!' M .'# H ' 35*N 1 ' &'# 2500' 0C : 05756' 79' 27560 ; 8=F ' : 50=0D0D' ; @' 4=.75@ ' 89D' 37"'"7<0D' ; @' 60?058'" 67"D4056'# M .'# H ' 35*N' < o 1 ' 1 () ' &8"'409A6' 89D' 8"79498'# M .'# , ' 35*N 1 " " * ! ' & ' M, ' 35'# 57AB2.' $ ' , [6'# 8.' .20' 58.."0' 68"0N* # ' + *1 ' 1 "E "! ' " o!. %! !'# * ' M .'# , ' 35'# 08=2N* "=4 ' & ' 8"3' 8A50A6'# M 5AC0"'"# 68"0' $, ' , H6*N 1 ' ' # M 57AB2.' 8.' .20' 8CG : 898' 68"0' $H' H6*N 1 % ' * 6 1 "7?4' o. # 1 ' &*1 ' *1 ' & *1 # ' *1 89D' +* M .'# ' 35'# 08=2N* 1 ! ' # *!' M .'# , > ' 35*N' & # %A49854A6'# M$>' a6'# 27C86N'# 1 "7?4' # # M$[' 6'# D'# 58.."ON* 1 "7?46' #'# M$, ' a6'# 58.."ON*EEEEEo ! ! & ' M$ ' >6'# 27C86N*EEEEEo ! $ ' & ' 1 # ' *1 # ' # & # 1 ' 89D' =?#4 ' * $! ' M ' 35'# 08=2N* 1 o ! $ D * o ' 1 'M$, ' a6'# 58.."ON* 1 $ ' o ! $ * o ' * ' ' 28"' 8A50A6'# M .'# , > ' 35'# 57AB2.' 8.' .20' 27C86' $>' [6*N 1 # 6 ' & ' %A49854A6'# M$, ' [6'# 58.."ON* 1 * ' # ' !! ' " ' !!!! ' 20' 0C : OG 575' 89D' .<7' 54?056'# M .'# , [' 35'# $, ' , 6'# 58.G ."ON* 1 'O' * & '# M > ' 35*N 1 # '# # 479' <4.249' 8' =57<9'# M, ' 35*N 1 ' 6'# : '# %'# #'# 479' <4.2' 08B"0'# M , [' 35*N 1 * ! $ ' (' 856' 89D' 09A6'# M , [' 35*N 1 $ 3 N ' # 6 ' 1 () ' ' % * M> ' 35*N 1 G # ' # C : 0575' =57<90D' ; @' 4=.75@'# 9G B58?0D' 49' F05C89 ' 44'# : 4'# 4I'# 7'# [' : '# H , '# M$H' , 6'# 27C86' 68"0N* 1 1!" * ! ' & oo ' ' M >' 35*N 1 # '# ' '# M .'# , ' 35'# $,

& *1 & # '^ *

H6'# 58.."ON* 1 ! * ' ' M, ' 35'# ' D7A ; .G 3A'" 6 : 0=4C09' ; 57AB2.' $>' , a6'# 8.' .20' 0?7962450' 68"0N* 1 ?7 46' " o!$ ' M, ' 35*N !oo / $! ' M .'# > ' 35*N 1 # 20' A9'# M ' 35*NEEEE o!$ o! # M ' 35*N 1 646=4 ' # M> ' 35*N C79B6.' .20' 506.4.A.4796' A9D05' &8"'"409A8' 49' ; 4"'"79' 850 1 , # *1 ! ! ! o!' M, ' 35*N - + *1 ! ' * ! ' M, [' 35*N * ' oo! / ' & ' J ' 0C : 05756' 79' 27560 ; 8=F'# 4=.75@' 89D' 8' 67"D405* 1 ' 47 & ' ' 90' : 75.584.' 89D' 8"'"7=A.479'# 9B58?0D' 49' # ' :4'# "44'# M .'# >' 35N'# 1 ' 208D' 73'# M >' 35*N 1 %! ' 6 * .' # M, ' 35*N 1 # '& # # M[' 35*N' 1 &8"'"409A6' 89D' 8"79498 1 o!$ o! ' & . # 1 ' & *1 # ' &8%'# <4.2' 50?0560' 73' 4 ; 058"4.86'# M, [' 35'# 08=2*N 1 ' ' # M >' 35*N 1 # ' & E # # M, ' 35*N *& ' * / " * ' #* % ' # ! "!#! ' 6?7* 1 ! *' *$! 1 89D' # :'# %'# #'# 7 : E' 4 ' #4 4 4' <4.249' 8' =57<9'# M .'# > ' 35'# 08=2N* 1 ' ?77'# &8 409A6' 89D' 8"7E' 949A6'# M[' 35*N & ' # + # # *1 ' =4 : : A6 ' 75' : 0D06.8"' ' <4.2' .20' "0B09D' "7?4' ?4=E' #4' 79' <24=2' 46' 608.0D' KA : 4.05 ' 27"D49B' .20' .2A9D05E ; 7" . ' 49' 246' 54B2.' 289D ' 89D' 6 : 085' 49' 246' "03.'# 4"?05' 73' 8"05489A6'# 9B58?0D' 49' 89D94 * 8"05489A6 ' <209' 24C60"3' 49.09.' 79' .20' 8338456' 73' .20' 86. ' =7CC4..0D' .7' &8"'"409A6' .20' =285BO' 73' .20' <06.059' 85C406'# 20' "8..05 ' .20503750 ' 79' .20' 7==8647'9' 73' 89@' ?4=.75@' ; 049B' B8490D' M7?05' .20' &05C896 ' 375' 0I8C : "0 ' <27' 28D' C8D0' 455A : G .4796' 49.7' &8A"N ' 89D' <24=2' 20' <86' D06457A6' 73' 86=54 ; 49B' .7' .20' 49.05 : 764.479' 73' KA : 4.05 ' <86' 8==A6.7C0D ' 49' B58.4.AD0 ' .7' 050=.' 8' 6.8.A0' .7' .28.' B7D ' A9D05' .20' 0 : 4.20.' 73' . ' .20' 85C@' 8"67' 74949B' 49' .20' 50"4B47A6' 8=.* 20' 8 ; 7?0' 605?06 ' 49' 8' 50C85F8 ; "0' C89905 ' .7' 49.05 : 50.' 897.205' =749' 73' &8"'"409A8 ' ; 08549B' 79' 4.6' 7 ; ?0560' .20' "0B09D' '# '# '# '# 98C0"@ ' / ' M&8"'"409A6N 0 ' / 1 ' 2 ' 86' 8ADA54 ' =79345C49B' 85D7A4A ' 50C85F6'# 2A6' ; @' 74949B ' 79' .20' =749' 73' 8"05489 ' .20' .<7' "0B09D6' 73' .20' 208D' 89D' .20' 50?0560 ' 8' : 0530=. 496=54 : .479' 46' C8D0/EEEE C : 058.75' M&8"'"409A6N =AC' I05=4.A' 6A7' K7?4'# 4=.75'# ' 3 & # ' B096' : "0 ; 048*1 7A9.' 75B2064' .508.6' .246' 86' 8' 90<' 38C4"@ ' 89D' 8664B96' .7' 4.' .20' 37"'"7<49B' .@ : 06 ' 6A : : 760D' .7' 28?0' ; 009' 6.5A=F' 8 ; 7A.' ' 9$ ' - ' N/ 1 ,'# 08D' 73' : 7"'"7' 0 7?46 ' ; 0908.2' 4.' 46' .20' " ! 1 *1 *' & o' *' KA : 4.05' 49' 8' SA8D54B8'# ' ?05@' 5850' D09854A6* >'# 08D' 73' K89A6 ' 8 ; 7?0' 4.' * 1 #: _*1& '# & _W444' 4 # ! ' 75' . # ' ' 624 : L6' : 57<'# 0C4EA9=48'* ; 5866'# #850* 20' 0C4909.' .8"489' 89.4SA85@' 8 ; 7?0' 98C0D' B4?06' 246' 5086796' 375' 8..54 ; A.49B' .7' 790' &85= 4A6' .20' 98C0' 73' .20' 3456.' C790. ' .54AC?45 ' =79G =08"0D' 49' .20' C797B58C' & #'# 73' .2060' .<7' =7496 ' 89D' 50 0=.6' .20' 508D49B' #'# A9D05' <2=4=2' 054\794 ' 89D' 7.205' 9AC46C8.46.6 ' 28?0' 86=54 ; 0D' 4.' .7' .20' 85?4"44' M600' : '# ' 73' .246' D4=.47985@N*

& .K P ' ' #b *

' 47=47V=4.06' 89g' 8D7:.6' .246' .5896305 50D' 8..54;AG .479 ' <24=2' 8==7A9.6' 375' .20' 0I="A6479' 73' " 3.' ?4 4 ' B096' 357C' 246' ' ' ! ' =*

& ' # *1 <7 4=.75406' 27"DG 49B' 8' .8;"0.' 79' <24=2' 46' 496=54;0D' 64=' II* 64=' ' .28.' 46' T' ' 8D' 899AC' 4C:0544 ?4=0664CAC' ' 8D' .54=0664CAC' A6SAO' ?4=.75486' 6A86' =79.4908.U' (' ' .7' .20' .<09.40.2' ' 8"67' .7' .20' .245G .40.2' @085' 73' .20' 0C:0575L6 504B9' C8@' 20' :A5G 6AO' 246' ?4=.75406*

246' 6C8 ' B7"D' =749' 73' 844C489A6' 05=AE' "4A6' =79.8496' 79' 4.6' 50?0560' 8' 7@7A6' 8==" 8C8E

& ' # *1 246' "0G B09D' <24=2' 7==A56' 79"@' 79' B7"D' 89D' 64"?05' C0D8""4796' 73' 796.89.4A6' 89D' 796.896' 246' ;57.205' 49D4=8.06' 8' :A;"4=' 50 74=49B* .' C8@';0' =79 0=.A50D' .28.' 6A=2' =7496' 86' .28.' 79' <24=2' .246' 0:4B58:2' 8::0856' <050' D46.54;A.0D' 8C79B' .20' :07:"0' 8.' .20' 306.4?0' =0"0;58.479' 73' 67"0C9' ?7<6' .28.' 8 ' 67' 8D?460D' C4B2.' 749' 49' .20' B090G 58"' B"8D9066* 1 M 750"' ' ' :* N*

& ' # # *1 ' :8"AD8.0D' C89' .8""05' .289' .20' 506.' 73' .20' B57A:' 6.89D6' 506.49B' 246' 54B2.' 289D' 79' .20' 286.8' <24"6.' 8' 289D' :57.5AD0D' 357C' 8' ="7AD' 8;7?0' 24C' :"8=06' 8' =57<9' A:79' 246' 208D* 9' 246' "03.' 6.89D6' 89G 7.205' C89' 64C4"85"@' 8..450D' ;A.' 73' 6275.05' 6.8G .A50' <27C' 8' ?4=.75@' ;@' 246' 64D0' 46' 49' .20' 8=.' 73' =57<949B' ' 89D' 79' 246' 54B2.' 8' .245D' C8"0' 34BA50' 73' .20' 68C0' 8:.08589=0' ;A.' 6275.05' 0?09' .289' .20' "86.' D06=54;0D' A:79' <2760' 208D' 8' :05679434G =8.479' 73' #7C0' 6.89D49B' ;064D0' 24C' 46' :"8=49B' 8' =57<9* .' .20' ;7..7C' * .5A=F' 8.' 796.89.497:"0*

1) *1 ** * * * * ' "89508.=D' ;A6.' 27"D49B' 49' .20' 54B2.' 289D' .20' 286.8' 89D' 49' .20' "03.' 8' ;A=F"05' 79' <24=2' 46' 50G :50609.0D' .20' 0C:0575' 79' 27560;8=F' =285B49B' <4.2' "0?0"0D' 6:085' 67C0' 6A::"489.' ;85;854896' <24"6.' 20' 46' =57<90D' ;@' 8' 4=.75@' 3"@49B' .7<85D6' 24C' 89D' 37""7<0D' ;@' 8' ;89D' 73' 67"D4056*

^ 20' B589D' 89D' 49.0506.49B' C0D8""479' 73' <24=2' .20' 8;7?0' 50:50609.6' .20' 50?0560' 375C0D' 790' 73' 8' "85B0' D0:764.' 73' #7C89' C0D8""4796' 49' B7"D' 60?0G 58"' 73' .20C' 73' 99A6A8"' 64\0' 37A9D' <4.2' =28496' 89D' 7.205' 7;0=.6' 73' 89.4SA4.@' 49' .20' 68C0' :50G =47A6' C0.8"' 49' A9B85@' DA549B' .20' @085', a *

* .049;f=20"' 49' 246' ?8"A8;"0' I ! " W' 73' .2060' 89D' 7.205' B7"D' C0D8""4796' :50605?0D' 49' .20' C:0548"* 8;490.' 286' B4?09' <28.' 20' ?7A=206' 375' 86';049B' T' 8' 384.23A"* 09B58?49B U' 89D' 73' <24=2' 5* 84527".L6' =A.' 46' 89' 0SA8 @' 384.23A"* =7:@* #06:0=.49B' C790.8"* 5854.406' 73' 6A=2' 6=85=0"@' 8::50=48;"0' ?8"A0' 67' 6ADD09"@';57AB2.' .7' "4B2.' 4.' 8::0856' .7' 28?0' ;009' =F20"L6' 49.09.479' 8.' .20' .4C0' .7' 28?0' =79.54;A.0D' 8' D46605.8.479' <75.2@' 73' 246' \08"' 05AD4.479' 89D' ADBC09.' ;A.' 246' :50C8.A50' D08.2' 49', a ' "03.' 24C' .4C0' 79"@' .7' 6F0.=2' 8' 30<' 97.06' <24=2' 50C8490D' 49' C89AG 6=54:.' A9.4"* * .049;f=20"' 246' 35409D' 89D' 6A=G =06675' 49' .20' D450=.7562 4:' 73' .20 40998' A60AC' :A;"4620D' .20C' 49', > *

9' 0"A=4D8.479' 73' .246' 6:"09D4D' C79AC09.' .20' 6A;7490D' 0I.58=.' 357C' .20' C89A6=54:.' 49' SA06.479' <4""' 6=85=0"@' 384"' .7' :57?0' 8==0:.8;"0' .7' .20' 9AC46C8.4=' 6.AD09.0' / 1

3.05' 28?49B' <4.2' =2858=.0546.4=' C49A.09066' 73' 8==A58=@' D06=54;0D' .20' :40=0' 7A5' 4""A6.547A6' 8A.275' 68@6 1 T' .' 6.89D6' :50E0C4909.' 8C79B' .20' C76.' 50C85F8;"0' 24.205.7' D46=7?050D' 97.' 79"@' 79' 8==7A9.' 73' 4.6' B508.' <04B2.' ^9085"@' ' A9G B8548 9' DA=8.6' (o' ;A.' 8"67' 375' .20' D064B9' 86' <0 ' 86' 375' .20' <75FC89624:' 73' .20' .@:06*

4.6' 7;?0560' 89D' 50?0560' 0124;4.49B' .20' 24B206.' D0B500' 73' 0"0B89=0' 89D' 349462 ' 73' <24=2' .20' 6.8.0' 73' .20' 85.6' 8.' .28.' :0547D' 8DC4..0D*' 20' 208D' 46' .28.' 73' 796.89.496' *' 60=79D' 73' .20' .2500' 6796' 73' 796.89.490' .20' &508.' 89D' 86' 20' 46' 2050' 6.@"0D' 80685' 79"@' 97.' 28?G 49B' @0.' 8..8490D' .20' .4."0' 73' ABA6.A6 ' .246' =749' CA6.' 28?0' ;009' 6.5A=F' ;0.<009' * * H>H' 89D' HH L' 375' 49' .20' 375C05' @085' 20' 50=04?0D' .20' 8:.0""8.479' 73' 80685' 89D' 49' .20' "8..05 ' 49' =79G 60SA09=0' 73' 246' 38.205L6' D08.2 ' .28.' 73' ABA6.A6* 6' 27<0?05 ' .20' =7A9.0989=0' 73' 796.89.496' 79' .20' 7;?0560' D46:"8@6' 8' 3A"9066' 89D' C8.A54.@' 73' =79.7A5 ' ' 8C' 49="490D' .7' =7964D05' .28.' .20' =749' ;03750' A6' <86' 6.5A=F' 8' ?05@' 6275.' .4C0' ;03750' .20' D08.2' 73' 796.89.490' .20' &508.' <209' 20' M 79G 6.89.496N' <86' 8.' "086.' 49' .20' .<09.40.2' @085' 73' 246' 8B0* 20' 6A:.:764.479' 46' =7557;758.0D' ;@' .20' C4"4.85@' B852' 49' <24=2' 20' 46' D0:4=.0D' 375' 4.' <86' 8.' .28.' ?05@' .4C0' .28.' 246' 38.205' 09.5A6.0D' .7' 24C' .20' =79DA=.' 73' .20' <85' 49' 05648* 7' <24=2' C8@' 20' 8DD0D' .28.' .20' :50609=0' 73' .20' 8;;50?48.479' " ' M6A50' 64B9' 73' .20' C49.8B0' 73' 796.89.497:"0N' 6A334=409."@' :57?06' .28.' .246' =749' =7A"D' 97.' 28?0' ;009' 6.5A=F' ;03750' * * HH ' 649=0' <0' F97<' .28.' 4.' <86' 97.' .4""* .28.' @085' .28.' .20' =4.@' <86' D0D4=8.0D' 89D' 50=04?0D' 357C' 4.6' 37A9D05' .20' 98C0' 73' 796.89.497:"0*U

(4.2' 50B85D' .7' .20' 50?0560' 8DD6' =F20"' U' ' D7' 97.' 2064.8.0' .7' :5797A9=0' .28.' .20' =09.58** 89D' .8""06.' 34BA50' 73' .20' B57A:' 46' 796.89.490' .20' 38.205' <2760' ?09058;"0' 8B0' 89D' :40.@' 850' .2A6' 085"@' 8=F97<"0DB0D' ;@' 8' 208?09E609.' =57<9' .28.' .20' 34BA50' 79' 246' "03.' 46' .20' 0"D06.' 679' 796.89.490' 89D' .28.' 79' 246' 54B2.' .20' @7A9B06.' 796.896** 796.89.496' 8"508D@' :7A5E' .58@0D' 79' .20' 7;?0560' D706' 97.' 8:.085' 49'P.246' B57A:* 75.584.6' 73' .20' 504B949B' 38C4"@' 64C4G "85"@' D46.54;A.0D' ;0.<009' .20' .<7' 38=06' 73' 8' C0D8** 28?0' 8"508D@' 7==A550D' .7' 7A5' 97.4=0' 79' =7496' 73' 0:.4C4A6' 0?05A6' <24=2' '28?0';57AB2.' 375<85D' 49' C@' . ' A9D05' .20' D8.0' a[' 9 '7' > ,N* 796.89.490' .20' ;57.205' 46' 50:50G 609.0D' 86' =57<90D' ;@' 8' 4=.75@' ;0=8A60' 8.' .20' 0I8=.' .4C0' <209' ' 4C8B490' .246' =749' .7' 28?0' ;009' 6.C=F' 20' <86' 49' 508"4.@' 8' =79SA0575' 86' 46' .06.4340D' ;@' 246' =749' 496=54;0D' ! " * ! ' " .' 4 4' ' 89D' .246' .@:0' 46' 8"67' =7CC79' 79' .20' =7498B06' 73' :50=0D49B' 0C:05756* ' ' 0' 20' B8"08.0D' 34BA50' 6.89D49B' ;@' .20' 64D0' 73' 79G 6.896' ;049B' 30C8"0'49' D5066 'CA6.';0'.28.'73'#7C0' 09D0549B' .20' 68C0' =7C:"4C09.85@' 7334=0' .7' 79G 6.896' <24=2' 4=.75@' D706' .7' 796.89.490' A9* 75' 43' @7A' <4""' 8' 34BA50' 73' ' M 75=0N' <24=2' 350SA09."@' 8:.0856' 79' 89=409.' =7496' 49' 8' 628:0' 97.' ?05@' D4664C4"85* ;605?0' .28.' .2A6' 085"@' .20' B58D8.4796' 73' 589F' 89D' D4B94.@' 49' .20' 4CG :0548"' 38C4"@' 850' D097.0D' ;@' 8' B508.05' 75' "06605' ;7D4"@' 6.8.A50' 8' =45=AC6.89=0' =796.89."@' .7' ;0' 50C85F0D' 79' @\89.490' =7496' 73' "8.05' D8.0*U'

& ' # * # ' <4.2' # * ' * "! ' ' % B (T' B7"D' =749' 73' 796.89.490' .20' &508.' 6.5A=F' 79' .20' 7==86479' 73' 246' 28?49B' D0308.0D' .2760' .<7' 98.4796' 89D' ;57AB2.' .20C' 49.7' 6A;0=.479' .7' .20' #7C89' 85C6*1 00' o ! ' :* H>' 89D' ' +' X]

& ' # * # ' ;0"7<' <24=2' 46' # *1 ' .57:2@' 89D' <7C89' 9085' 4.' <00:49B* 9' 64"?05' 89D' B7"D' 73' 796.89.4E' AA6' *

7496' <4.2' .20' 68C0' "0B09D' 2A.' 496=54;0D' ' 75' ! ' <050' 6.C=F' A9D05' 79G 6.89.490' A9* 89D' 546:A6 ' ;A.'49' 97'496.89=0' <4.2' # *1 T' .' 46' :57;8;"0' M68@6' =F20"N' .28.' =7496' 73' .20' 38.205' M 796.89.4976' *N <050' 6.5A=F' <4.2' .246' 50?0560' 375' <20.205' .20' 38.205' 24CG 60"3' =85540D' 79' .20' <85' 49' :05679' <4.2' .20' &7.26' 89D' 85C8.4896' 75' <20.205' 20' 09.5A6.0D' .20' 0I:0D4.479' 8B8496.' .2060' :07:"0' .7' 246' 679' 79G 6.89.490' 9 ' ' HH>N' =05.849' 4.' 46' .28.' <85"4FO' 2797A56' 89D' D46.49=.4796' <050' 62850D' 49' =7CC79' ;0.<009' 38.205' 89D' 679*U 1 M?444* 4* , N* 1 00 # *

& ' # # *1 '30C8"0' =8:G .4?0' 64..49B' 9085' 8' .57:2@' 733056' 205' ;5086.' .7' 8' "4.."0' =24"D* 1 246' "0B09D' 89D' .@:0' <24=2' 3456.' 8:.0856' 79' 8' B7"D' =749' 73' 814C489A6' 05=A"4A6' 89D' <24=2' 850' =7CC79' 79' .20' C790@' 73' 6A=G =00D49B' 0C:05756' 620<' .20' 7 3' $' ' 6 ' 97.' 79"@' 49' 28?49B' =79SA050D' .20' ;85;854896' 89D' D54?09' .20C' ;8=F' 357C' .20' =7934906' 73' .20' 0C:450' ;A.' 8"67' 49' 28?49B' C8D0' 6"8?06' 73' .20C' 89D' .2045' <4?06* M * ' ?444* ,aN* 1 2A6' "4F0G <460' <0' 349D

& ' # ' 79' 8' ?05@' 5850' B7"D' =749' 73' 796.89.490' .20' &508.' 89D' 600' 8' .57:2@' 050=.0D' ;0.<009' 89' ' <7C89' 89D' 8' C8"0' ! ?' ;7.2' =8:.4?06' 89D' 64..49B' 49' 8' <00:49B' :76.A50' 79' .20' B57A9D*

& ' B096* 1 (20.205' 73' .20' :8.54=489' 75' :"0;0489' 75D05' 46' A9=05.849* 2050' 850' .2500' ?8540.406' 49' 4.6' D09854' 79' 08=2' 73' <24=2' 8:G :0856' .20' 98C0' 73' 4, E ' 20' 37""7<49B' .<7' 850' =7496' ;0"79B49B' .7' .246' 38C4"@/1

' ,* &8"08.0D' 208D' 73' #7C0' ;0249D' 4.' 4 ' <4.249' 8' =57<9' 73' "8A50"* 1 6 ' ' B8"08.0D' 67"G D405' 49' 8' 58:4D' SA8D54B8' 0C;58=49B' <4.2' 246' 54B2.' 85C' 8' <7C89' 86' 43' .7' 50.849' 205' <4.2' 24C' 49' .20' =85' 79' 246' "03.' 85C' 46' 8' 6240"D* 1' * & * ;0"7<' .20' 275606' ' 79' .20' 0I05BA0*

?05@' 8..0C:.' .7' 49.05:50.' <4.2' =05.849.@' .20' .@:0' 73' .20' 8;?0' 50?05'60' M:50B989.' <4.2' C089G 49B' 04.205' C@.27"7B4=8** 75' 246.754=8" ' 86' 4.' <7A"D' 8:.085' .7' ;ON' 286' 24.205.7' 64B98""@' 384"0D' 89D' 4.' 46' 0?09' D7A;.3A** <27' <86' .20' 9* &0""4A6' <2760' 98C0' 46' 6.8C:0D' 79' .246' D09854A6* 1 00' 84""89.' 79' .20' 790' 289D' 89D' 8?05=8C:' ' ' 79' .20' 7.205' 89D' =7C:850' <4.2' 8?0E' D794' =4.0D' ;@' #4==47' :* aa*

>* ' ' (' 1<91 A' 1 2' 2' ('4' 4' ' & o9o! A' = ' * ' 850' 208D' 73' 85F' 9.79@' ;0G 249D' <24=2' 46' .20' :5.03054=A"9C* 1 6 * 1 " ' (' (' 1 2' 2' +' (' 2)* 208D' !4 (/2C

?489A6' ;0249D' <24=2' 46' .20' "4.AA6≠ 246' 46' 8' D09854A6' 73' 67C0' 5854.@*

20' "0..056' %≠ :≠ 8334IOD' .7' & o' 79' .20' 7 ;G ?0560' 850' =7964D050D' ;@ =F20≠ .7' 64B943@' 5 6 $ ' / 27' 58.205' .289' 86' ;@' 7.2056' 4.' 46' .27AB2.' .7' C089' 5 ' / 1 #4==47' 27<0?05' 8D7: .49B' .20' "8..05' 7:49479' 68@6 1' A=4A6' &0""4A6' M 7:"4=7"8N' <86' :57?49=48≠' SA06E' .75' 73' 85F' 9.79@' 8.' .20' .4C0' <209' .28.' 38C7A6' 54AC?45' #04:A;"4=r' 796.4.A09D r' <86' 8C4=8;"@'=7""08BA=D' <4.2' =.8?489A6'89D' =7490D' .20' C0D8≠' 8;7?0' D06=54;0D≠ 0' <86' 8"67' =796A≠' <4.2' ≠ 7==04A6' 05?8'49' , ' M ≠ =≠ H N* 1' 246' 68C0' &0""4A6' 27<0?05' <86' 790' 73' .20' C76.' 49=79646.09.' 89D' 384.2"066' 73' C09' :86649B' 7?05' 49' 8' .508=2057A6' C89905' 357C' .20' 31409D624:' 73' 5A.A6' 89D' 8664A6' .7' .28.' 73' 9.79@' 89D' 357C' .20' :85.@' 73' 9.79@' .7' .28.' 73' ABA6.A6* & 4 ≠ ' !! 1 20' =8A60' <2@' =05.849' "0B4796' <050' =8""0D' ' !! ' M75'.<496N' 46' D054?0D' ;@' .20' 8==A58.0' 4C85D' 357C' .20' 7CC09.85406' 73' m685' !! ' 0 ' 444≠ =≠ N' <2050' 49' 6:08FG 49B' 73' .20' "0B4796' <24=2' 7C:0@' 28D' 8660C;"0D' 20' 68@6' A98C' 9o &! A 0I' 4=4"4W' ?0.05898C' SA8C' 38=.8C' 0I' DA8;A6' oo ' 8:.0""8;8.' M8D' K7;05.' 44≠ > H*N ' !! ' 7 6A598C0D' ==4' 8' =7"79@' 73' 46:8948' 8558=7909646' .7' <24=2' =7"7946.6' <050' 609.' 357C' .20' .245D' 89D' 37A5.2' "0B479' 86' =7496' 73' ABA6.A6' 89D' 4;054A6' .06.43@' 79' <24=2' 4.' 46' =8""0D' =7 ≠ & ≠ *1 00' :≠ H* ' !! ' 8 EEE 20' .<49' =24"D509 M#7CA"A6' 89D' #0CA6N' <4.2' .20' <7"3' 46' 8' 350G SA09.' C85F' 73' #7C89' =7"79406' 86' 79' =7496' 73' 7549.2' "0189D548' 578D46' 08:7"46' 8C86=A6' 89D' 7.2056≠ M :89204C' / ' 4≠ :≠ [,N* 1 00' ' ' :≠ >H>* ' ' &0C6' 75' :50=47A6' 6.7906* 1 20' A60' 73' .2060' 86' 7598C09.6' 375' .20' 208D' 46' 684D' .7' 28?0' ;0BA9' A9D05' A50"489≠' .205' 0C:05756' 904.205' A9<4"49B"@' 975' A93500"@' 37""7<0D' .20' 68C0' 0I8C:"0' 89D' .209=0375<85D' :085"6' 89D' 7.205' 0<0"6' 850' 6009' 79' .20' D48D0C6' 73' .20' , " ' 89D', # ' '89 '549B6' 349D' 49' C76.' 496.89=06' .2045' 67A5=06' 73' 0I:"898.479' 79' =7496* 1 00' #86=2016' =4.8.4796' 357C' :89204C' 89D' 0B05* & ≠ ' 99:&; ' ' & G # ' 73' &8";8' 89D' 858=8""8* & ≠ ' ' ' ' / & ! ' & !' 0 7' .20' &094A6' 73' .20' C:0575* & *1 .' <86' .20'7:49479' 73' .20' 89=409.6' .28.' 0?05@' C89' 357C' .20' C7C09.' 73' 246' ;45.2' 28D' 246' # ≠' 75'8==75D49B' .7' 7.2056' .<7' # 7' 8' B77D' 89D' 8' ;8D' 790' ' 89D' .28.' 86' .20' 790' 75' .20' 7.205' 73' .2060' :056798≠' .A.0"8540 6' <86' .20' 6.579B05' 73' .20' .<?7' .28.' 49D4?4DA8"' ;0=8C0' B77D' 75' ;8D≠ 9' :57=066' 73'.4C0' 08=2' 27A60' 89D' 08=2' .7<9' 28D' 4.6' # <' .20' 375C05' <050' =8""0D' 8 27' .20' "8..05' <050' 98C0D' /= ' #7C0' 28D' 205' &094A6EB7DD066' .7' <27C' 8' 6.8.A0' <86' 050=.0D' 49' .20' 04B2.2' 50B479' 73' .20' =4.@≠ 20' 493"A09.48"' :50609=0' 73' .2060' A96009' ;049B6' <86' 20"D' ;@' .20' #7C896' 49' 6A=2' 24B2' ?09058.479' .28.' <209' .20@' 09.050D' 375' .20' 3456.' .4C0' 49.7' 89@' :"8=0' .20@' 49?8548;"@' :84D' 8' 68"A.8.479' .7' .20' # ' ! ' 8549B' .20' 50:A;"4=' .20@' 6<750' ;@' .20' &094A6' 73' .20' #7C89' :07:"0' 89D' 83.05<85D6' ;@' .28.' 73' .20' C:0575≠ .' ;7.2' :0547D6' .20' ?47"8.479' 73' .20' 78.2' <86' .508.0D' 86' .20' C76.' 20497A6' 73' :05 A5406' 8AD' <86' :A94620D' <4.2' .20' B508.06.' 60?054.@* 4 ' 850' 50:50609.0D' 79' #7C89' =7496' A9D05' D4330509.' 375C6' 86' <0""49' .20' =796A"85' 86' 49' .20' 4C:0548≠' 605406* 9' 246' 7;605?8.4796' 79' 4 3' 86' .20@' W850' .@:4340D' 79' 38C4"@' =7496' =F20≠' 68@6' .28.' .2060' =7C0' 90I.' 49' 75D05' 73' D4B94.@' .7' .20' B7D6' 89D' B7DD06606' C08949B' ;@' .20' .05C 1 ,≠ 05.849' 4C8B06' M75' 34BA506N' 8:.57:548.0D' .7' 67C0' =7A9.5@' =4.@' 75' :07:"0' <20.205' .20@' <050' 97.249B' C750' .289' 8""0B75406' 49.09D0D' .7' 50:50609.' 8' :57?49=0' 75' 8' =4.@' ;@' 67C0' :0=A"4854.@' 73' .2045' 28;4.6' 75' =45=AC6.89=06' 75' <20.205' 67C0' =0"06.48≠' :7<056' .27AB2' 73' 6A;75D498.0' 589F' <050' 8=.A8""@' 6A::760D' .7' :5064D0' 7?05' .20C*1 >≠ 20' 45.A06' 6A=2' 86' =0"0=@' 384.2' :40.@' =≠ 75' .2760' 8D A9=.6' <24=2' 850' 8"<8@6' 50=F790D' 8C79B' .20' B77D' .249B6' 73' "430' ;A.' <24=2' 850' 97.' 8"<8@6' A9D05' 7A5' 7<9' =79.57"' 6A=2' 86' 375.A90' 2797A5' "4;05.@' 3800.@' ?4=.75@' 89D' 208".2*1 H≠ 20' ?4=06' 89D' .20' 4""6' 73' "430' 86' + 3' + 3'$ F3' =≠ 2060' 89D' 64C4"85' 6A;0=.6' .20' 0C;"0C8.4=8≠' 50:50609.8.479@' 73' <24=2' <0' 600' 79' 89=409.' C79AC09.6' <050' 97.' 50B85D0D' 86' C050' 4D08"4.406' ;A.' 86' 8=.A8≠' ;049B6' 73' 8' D4?490' 98.A50' 86' 46' :57?0D' ;@' .20' 38=.' .28.' .0C:"06' <050' 050=.0D' .7' .2045' 2797A5' 0SA8""@' <4.2' .20' B7D6' .20C60"?06≠' 7C0' 73' .2060' 6A=2' 86' 45.A6' 7975' 096' 75.A98' A9D05' ?8547A6' .4."06' 28?0' ;009' 09AC058.0D' ;@' 4=057' "AG .85=2' KA?098"' 89D' C89@' 7.205' 0I8C:"06' C8@' ;0' 37A9D' 49' ≠ 4=.75L6' <75F' 79' .20' D46.54=.6' 73' #7C0* 20' 6A;0=.' 50=04?06' 4""A6.58.479' 357C' 8' "0..05' 73' 4=057' .7' 246' ;57.205' %A49.A6' M4≠ ' 4≠ ', N 1 00 (20503750' 649=0' @7A' 850' :86649B' @7A5' .4C0' 49' 8' :764.479' 73' .20' 24B206.' 8A.2754.@' 49' .2760' ?05@' =4.406' <2050' @7A' 600' @7A5' 7<9' ?45G .A06' =7960=58.0D' 89D' 50=F790D' 8C79B' .20' D4?4G 94.406' =*U' 9D' .2A6' 97.' 79"@' .20' #7C896' ;A.' .20' &500F6' 8"67' =57<D0D' "@C:A6' <4.2' 35062' =7"7946.6≠ M 00' 754' :≠ Ha[N≠ 7' 790' 89@' "79B05' =850D' .7' 73305' 68=5434=06' .7' .20' B508.05' 89D' 0"D05' B7D6' <24"6.' .20@' "8?4620D' <27"0' 20=8.7C;6' 79' . 27' > " ' ? 7 89D' ? 7' <27' 28D' ;A.' 86' @06.05D8@'37A9D' .2045' <8@' 49.7' 208?09' <24"6.' 8' @ ' 73' 8C;57648' 89D' 90=.85' =7A"D' 97.' ;0' ;7AB2.' 375' "066' .289' 8' 3' 67' ?86.' <86' .20' 8660C;"8B0' 73' 3' =0"06.48≠' BA06.6≠ 9D' @0.' 790' =7A"D' 28?0' .7"058.0D' 8' 6A:056.4.479' <24=2' =79=0D0D' D4?490' 2797A56' .7' .20' ?45.A06' ;A.' <28.' =7A"D' 6A5:866' .20' 4938.A8.479' 73' :"8=49B' 79' 8' "0?0≠' <4.2' .20' B7D6' .20' ?4=06' .20' D4608606' 89D' .20' ;AB;0856' 73' C89F49Dz' 9D00D' .246' 3898.4=46C' <86' 06.4C8.0D' 8.' 4.6' .5A0' ?8"A0' 89D' D0.06.0D' 8==75D49B"@' ;@' 8"" .20' 89=409.6' .20CG 60"?06' <27' <050' :7660660D' 73' 6A:05475' 49.0""0=.6≠ ' :5773' 73' .246' 46' .7' 20' 37A9D' 49' .20' "8<' 49.57G DA=0D' ;@' .20' <4606.' 73' .20' #7C896' T' A.' .2760' SA8"4.406' <24=2' 09.4."0' 8' C89' .7' 8DG C466479' 49.7' 208?09' C49D' ?8"7A5' :40.@' 384.2 1' 375' .2045' B"75434=8.479' "0.' .2050' ;0' 6;54906≠ A.' "0.' 97' 68=50D' 67"0C94.406' ;0' :05375C0D' 49' 2797A5

#7C0' .0C :"06' =7960=58.0D' .7' .246' &094A6' 86' 8' D04.@# I8C :"06' 73' .246' 7==A5' 8C79B6.' .20' =7496' 73' ABA6.A6 ' A9D05' .20' @085' H ' 9$ ' " ' > N ' 89D' 8"67' 49' &8";8 1 60D' ;0"7<*

' ;085D"066' 34BA50 ' 50 :50609.49B' .20' 4 ' #' ' 6 '# + ' 8: :0856' 79' .20' 50?0560' 73' 897.205' D09854A6' 73' .20' 7590"48' 38C4"@ ' 4A' .20' 8=.' 73' =57<949B' 8' <855475 ' 8""AD49B' .7' .20' ?4=.75406' 73' 7C :=@' 49' .20' 86. ' bH' 9$ ' " ' ,N ' 6.5A=F' ;@' " ' o o ' *" oo! ' ;0.<009' ON[9$ ' " ' [aN' 89D' a ' 9$ ' " ' [N* 1 ' 9B58?0D' 49' 750"' 89D' #4==47 ' ! ' 6

9' 897.205' 64"?05' =749' 73' .20' 68C0' 38C4"@ ' .20' 50?0560' 0I24 ;4.6' .20' 60D09.' 34BA50' 73' 8' C89' 98F0D' .7' .20' <846.' 27"D49B' 49' .20' 54B2.' 289D' .20' =759A=7 :4=' 89D' 49' .20' "03.' .20' 286.8 ' .20' 54B2.' 377.' 46' :"89.0D' 79' 8' B"7 ;0 ' 246' 38=0' 46' D450=.0D' .7<85D6' 8' 3"@49B' ?4=.75@' .28.' =57<96' 24C# 20' "0B09D' 79' 790' 64D0' 46' :# o o ' # ' % ' M A;"4A6' 09.A"A6 ' 679' 73' A;"4A6N ' 89D' 79' .20' 7.205' # "F+9 $ %' 20' 608.0D' 34BA50' 46' =7964D050D' .7' :05679 43@' .20' 4 ' $' 6 ' 8' D0?4=0' 50G :08.0D"@' 8667=48.0D' <4.2' .20' 8"38456' 73' .20' 09E .A"4 ' 89D' .209=0' C76.' :57;8;"@' 8""A64?0' .7' 67C0' B"75@' 73' .20' 75CD48' 38C4"@ 1 9B58?0D' 49' ' ! ' 6 '44# [' 89D' 49' #4==47 ' I?4# H>*

& ' # #* 1 9' 8' 64"?05' =749' ;08549B' 79' 790' 64D0' .246' 0 :4B58 :2 ' 89D' 79' .20' 7.205' "0B09D' 89D' .@ :0' 73' ' C ' .20' 208D' 73' &8";8' 46' 34BA50D ' <4.2' 8' =759A=7 :4p' ;0249D' 4.# 20' 3750 :85.' 73' .20' 208D' 46' ;8"D ' 86' .28.' 0CG :0575L6' 46' DO6=54 ;0D' .7' 28?0' ;009# 9' .2045' B09058# 28.50D' 73' 057' 89D' 0IA".8.479' 8.' 246' D08.2 ' .20' :07 :"0' 73' #7C0 ' 0?05' :5790' .7' 0I=066 ' :84D' .20' ?0.0589' B7?09475' 73' .20' &8A"6' 89D' 73' :849 ' 97<' .2045' D0"4?0505' 357C' D7C06.4=' .@5899@ ' C750' .289' C75.8# 2797A56 ' ;@' 284"49B' 24C' 86' .2045' .A.0"85@' D0C4B7D# 20' 504B9' 73' &8";8' <86' 8.' 3456.' 50B85D0D' 86' 89' 0:7=2' 73' 28 : :49066' 89D' "4 ;05.@' ' 89D' 350SA09.' 8""A6478' 46' C8D0' 79' 246' =7496' .7' .2060' 38?7A58 ;"0' 89.4=4 :8G .4796# *

73' .20' 68C0' 0C :0575# 20' 3456.' ;5866' 46' 09B58?0D' 49' .20' ') ' ' '

9' =7496' 73' .246' 0C :0575' .2050' 850' 50?0560' 4C :"@49B' 246' 8=F97<"0DBC09.' 73' 7 ;"4B.4796' .7' ' 86' <0"" 86' .7' ;7.2' ."40' # ! ' 6A :0G 5475' 89D' 49305475 ' 89D' 2050' <0' 28?0' 8' 6.4"" C750' :749.0D' 50=75D' 73' 246' B58.4.AD0' .7' .20' 85C@' 73' ""@548*

20' 508679' <"4@' 6A=2' 8' D46.49=.479' <86' =79G 30550D' A :79' .2060' :57?49=06' 46' 6A.34=409."@' 7 ;G ?47A6' ' 375' 4.' <86' 49' .20C' .28.' 0=4A6' <86' 3456.' D0="850D' + ' ;@' 8==" 8C8.479 ' 89D' .7' .20' 34D0"4.@' 73' .2060' "0B4796' 20' 7<0D' 246' ?4=.75@' 7?05' 24"4 :' <24"0' 49' .A59' 20' :57.0=.0D' 89D' 3500D' .20C' 357C' .20' 49095 4796' 73' ;85;85489' .54;06 ' 89D' 67' 8B849' 7;.8490D' ?446.4A=.479' 375' 24CG 60"3# ' 64C4"85' 50?0560' 46' .7' ;0' 37A9D' 79' =7496' 73' KA"489' .20' 6A5 :05*

2A6' .20' ! ' 3 ' 28D' .77' C89@' ="84C6' A :7A' .20' 4CC0D48.0' 6A==06675' 73' .20' 0"D05' 24"4 :' .7' C8F0' 4.' D4334=A".' .7' 8==7A9.' 375' .246' 4C :0548"' =7C :"4C09.' .7' 4.6' 4

& ' + # # 20' &094A6' 73' ."40' 5C@*1 A' &27A"' 4A' 246' 7;605?8.4796' 79' .246' 89D' .20' ?8547A6' 7.205' 9AC46C8.4=' D0D4=8.479' 6' .7' 4 ' 68@6 1 20' 89=409.6' 06.00C0D' 4.' .7' ;0' .20' &7D' 73' 8.A50# 9D' 6A=2' <86' .20' 50"4B479' 73' .20' #7C A6' .28.' 4.' 8664B90D' .7' 0?05@' 9C9' 246' B094A6' 89D' 246' :5064D49B' 6 :454.# 2A6' <0' 349D' 496=54 :.4796' .7' .20' &094A6' 73' .20' C :0575 ' 73' .20' 098.0 ' 73' .20' #7C89' 07 :"0 ' 89D' M86' 49' A50"489' 89D' 7.2056N' 73' .20' 5C@# 246' "86.' 98C0D' "0B09D' 46' 8==7C :8940D' ;@' 8' .@ :0' :795E .58@49B' .20' 4C8B0' 73' 4 ' <4.2' 8' ="78F' 28"3' =7?0549B' .20' 627A"D056 ' 89D' "08?49B' .20' 506.' 73' .20' ;7D@' 98F0D ' ;7"D49B' 8' =759A=7 :4p' 49' 790' 289D ' 89D' 8' 6458 :A"A59' 75' 8' :8.058' 49' .20' 7.205# 096754996 ' 49' 246' .508.460' . ' . ' 68@6' .28.' .20' C7C09.' <0' 850' ;759 ' <0' "4?0' A9D05' .20' BA85D' 89D' .A.0"8B0' 73' &094A6# .205' <54.056' 86605.' .28.' .20' '89D' 4 ' <050' .20' 68C0' .249B ' M : :# , ' , aN*

& # 75' & ' " # * 1 8"0' 34BA50' 6.89D49B' <4.2' :8.058' 89D' =759A=7 :4p# 4"?05 H &>

& # &# M 20' &094A6' 73' ABDA9AC M* 1 ' 246' "0B09D' 8: :0856' 79' .20' 50?0560' 73' 8' 5850' 64"?05' =749' 73' "7D4A6' ";49A6' 8==7C :8940D' ;@' .20' .@ :0' 73' 8' 98F0D' 4 ' <4.2' .A550.0D' 208D' 6.89D49B' / 20' 27"D6' 8' 6 :085' 49' 246' 54B2.' 289D' 8' =759A=7 :4p' 49' 246' "03.' ' 89D' .2050' 46' 89' 08B"0' 8.' 246' 300.# 20' 8;7?0' =A.' 46' 83.05' 8' =86.' 357C' 8' 6 :0=4C09' 49' .20' 54.462' A60AC*

T' 28.' ";49A6' <209' 20' =8C0' 7?05' 357C' 54.849 ' .77F' A :' 246' SA85.056' 8.' ABDA99C' M97<' @79' 49' 589=0N' 49' .20' ?4=494.@' 73' <24=2' 20' <86' 83.05<85D6' D0308.0D' 89D' 6"849' 46' 8' 38=.' D46G .49=."@' 50"8.0D' .7' A6' ;@' 057D489# 9' .28.' =4.@' .20503750 ' .20' 8;7?0' D06=54 ;0D' D09854A6' 0I24G ;4.49B' <2] J' H 4 ' <86' D7A ;."066' 6.5A=F' 89D' 4.' 46' ?05@' :57;8;"0' .28.' 49' .20' 68C0' :"8=0

,>' & ' *

p0?058" 7.205' =7496' 73' "; 4986 ' 8"508D@' 98C0D' ABA6.A6 ' <050' C49.0D'# 20' C49.' 73' @79' M 42=498' ABDA909646N' 46' C09.4790D' 86' 085"@' 86' 79' =7496' 73' 9.79@' .20' .54AC?45 ' ;A.' CA=2' C750' 350SA09."@' 79' .2760' 73' 8' "7<05' 8B0'# 20' 08B"0' : "8=0D' 8.' .20' 300.' 73' .20' &094A6' 49D4=8.06 ' : 0528 : 6 ' .28.' ABDA9AC' <86' A9D05' .20' 6A : 50C0' : 57.0=.479' 73' KA : 4.05 ' 49D00D' "; 49A6' 86=54; 0D' .20' 3456.' ?4=.7540 6' <24=2' 20' B8490D' .7' .28.' D04.@ ' 86' 46' : 57?0D' ;@' 8' 64"?03' =749' SA7.0D' ;@' 84"E "89. ' <4.2' .20' 0 : 4B58 : 2' "7?4' ?4= ' 4*U 1 =FE' 20"' ?444# , *

1) 1 & ' + # ' 30C8"0' 34BA50 ' <4.2' .A550.0D' 89D' ?04"0D' 208D ' 64..49B' 79' 8' 57=F ' 8' 54?05' 466A49B' 357C' ; 0908.2' 205' 300.# 245D' .45866' 73' KA"489' *' M C : # A6*N

1 1 & ' =4?4 46*' 0C8"0' 208D ' ?04"0D' 89D' .A550.0D*' 245D' ; 5866' 73' D7*' M 89494 ' : # H, N*

2060' =7496' <050' 6.5A=F' 8.' 9.47=2 ' 49' @548# .' 46' : 57 ; 8 ; "0' .28.' .20@' 3456.' 68<' .20' "4B2.' D85G 49B' .20' 504B9' 73' KA"489' M ; 0.<006' ' ' H ' 89D' H HN*' 20' 7 ; ?0560' 0124 ; 4.6' .20' 4 ' ' ' 4# 0# + + 8 ' A9D05' .20' 34BA50' 73' 8' <7G C89' <4.2' .A550.0D' 208D ' 64..49B' 79' 8' 57=F ' 357C' <24=2' 3"7<6' 8' 54?05*' 20' 6 : 0=406' 73' "0B09D' 46' 37A9D' C750' 3A""@' 0I : 50660D' 79' =7496' 73' 47="0G .489I6' 8B0' .2A6 1 & ! '# # 0 !' !' #0G 6 : 0=.49B' .20' 4 ' 73' : 07 : "06' =4.406O' 89D' "7=8"4G .406' 0# .7' <2760' BA85D48962 4 : ' .20@' <050' 50G 6 : 0=.4?0"@' =7CC4..0D ' 8 ; A9D89.' 49375C8.479' <4"" ; 0' 37A9D' 49' .20' <75F6' 73' ?8547A6' "08590D' <54.046*' M?444# , ,*N

& ' ' + # *

0I.49=.479' C76.' D0B09058.0 ' =755A : . ' 89D' D0G B58D0D' ; 7D@*

(209' 49D00D' 4.' 46' 50C0C ; 050D' .28.' 89' 8660CG ; "@' 375C05"@' 67' 08"7A6' 73' 4.6' 49D0 : 09D09=0 ' 89D' 67' 28AB2.@' 49' .20' 0I05=460' 73' 4.6' : 7<05' 8.' "09B.2' ; 0=8C0' .20' 6A ; 605?409.' .77" 1 .20' 3A"67C0' : 890B@546. 1 73' .20' <08F06.' 86' <0"" 86' .20' <756.' 73' ; 049B6' .28.' 0?05' <750' .20' 2AC89' 375C ' 73' C8DG C09' 89D' C796.056' : 05C4..0D' 375' .20' : A9462C09.' 73' 8' <4=F0D' <75"D' .7' ; 0' 4.6' : "8BA06' 49' .20' 628 : 0' 73' 4.6' 5A"056' ' .20' 384"' 73' .20' #7C89' 098.0' 49.7' 8' 6.8.0' 73' 6"8?05@' 89D' .20900' .257AB2' @0.' "7<05' B58D06' 73' 2AC4"48.479 ' =89' ; 0' 50B85D0D' 49' 97' 7.205' "4B2.' .289' .28.' 73' 8' ADBC09.' 86' A6.' 86' 4.' <86' 490?4.8 ; "0*' 75' 46' .2050 ' : 0528 : 6 ' 8' C750' 6.54F49B' "06679 ' 4.' C4B2.' ; 0' 8DD0D' 8' C750' 8<34D' <85949B ' .7' ; 0' D054?0D' 357C' .20' 50075D6' 73' : 86.' 8B06 ' .289' 46' 289D0D' D7<9' .7' A6' 49' .20' 3"8B589.' 0I8C : "06' 73' ; 860' 89D' 4C : 47A6' 8DA"8.479 1 73' ?098" 3"8..05@' =7CC4..49B' 7 : 09' 7A.58B0' A : 79' D0=09=@' ; @' .20' CC76.' : 8" : 8 ; "0' 38"60277D6 ' <24=2 ' <4.2' 6A=2' 3A"67C0' 350SA09=@ ' : 50609.' .20C60"?06' 79' #7C89' =7496' 73' .20' C : 0548" 605406 ' ; 08549B' .20' <0""EF97<9' 4C : 5066' 73' 8' F ' '

& ' ' # *1 20' &094A6 ' 28?49B' 8' ' 79' 246' 208D ' 79' 246' "03.' 85C' 27"D49B' 8' 2759' 73' 8 ; A9D89=0 ' 89D' 49' .20' 8=.' 73' C8F49B' 8' "4 ; 8.479' 357C' 8' : 8.058' 79' 89' 8"..85 ' 8 : G : 0856' 79' .20' 50?0560' 73' 8' C4DD"0' ; 5866' 73' 79G 6.89.490' .20' &508.# 9B58?0D' 49' 89DA54 ' 44# >* 2050' 46' 89' 0I8=."@' 64C4"85' .@ : 0' 79' .20' 50?0560' 73' 8' 60=79D' ; 5866' 73' 4=49496' 609475 ' <4.2' .20' "0B09D' & ! '! # J

8AD="7.' 0' 845?8" 7 ; 605?06 ' .28.' T' 8"" .20' C0D8"6' <24=2' 28?0' 79' 420' 50?0560' 4 ' ' ' 4 ' + ' 4 'F ' 4 ' # + 'F ' <4.2' 7.205' 6@C ; 7"6' 73' ' ; 085' 5030509=0' 49' .2044' "0B09D6' 89D' .@ : 06 ' 04.205' .7' .20' : 549=06' .20C60"?06' <27C' 3"8..05@' =8A60D' .7' 20' .2A6' 50 : 50609.0D ' 75' 7.205<460' .7' .20' BA85D489' D04.406' 73' .2760' C8B46.58.06 ' 75' 73' .2760' =4.406 ' .28.' 6.5A=F' .20' =7496*U 1 00' * ' I8 =' ' 3

& ' *' # *1 20' &094A6' 73' .20' #7C89' 098.0 ' A9D05' .20' 34BA50' 89D' 308.A506' 73' 8' C89 ' ="7.20D' 49' .20' .7B8 ' 6.89D49B ' 20' 27"D6' 49' 246' 54B2.' 289D' 89' ') ' .20' 64B9' 73' : 08=0 ' 89D' 49' 246' "03.' .20' 3' 7 ' D46G .49=.4?0' C85F' 73' .20' =796A"6# 4"?05' 89D' 3456.' ; 5866' 73' 9.7949A6' 4A6# 20' 8 ; 7?0' 09B5849B' 46' 357C' 8' 6 : 0=4C09' 49' .20' =7C : 4"056' : 766066479*

9' 8' 3456.' ; 5866' 73' &8" ; 8 ' ; 08549B' 375' 4.6' "0B09D' 73' 50?0560 ' ' #! ! & ! ' .20' 8==7C : 89@49B' .@ : 0' 50 : 50609.6' .20' ! ' 75' .20' 4 ' 73' .20' F ' =57<949B' .20' 0C : 0575*

".27AB2' 4 ' <050' A6A8""@' 50 : 50609.0D' ; @' @7A9B' C09 ' @0.' .20' 4 ' 73' .20' 098.0' 46' 4C : 056798.0D' ; @' 8' C89' 73' C8.A50' ?0"856' 28 ; 4.0D' 49' .20' ' ?05@' : 57 ; 8 ; "@' 375' .20' : A5 : 760' 73' C8F49B' 8' C750' =7C : "4C09.85@' 8""A6479' MSA4.0' 49' =2858=.05' <4.2' .28.' 0I=0""09.' : 549=0' 9.7949A6' 4A6N' .7' .20' D4B94.@' 89D' .7' .20' B58?4.@' 73' 89' 89=409.' 89D' 79=0' 4""A6.547A6 ' ; A.' "79B' ; 03750' 4.6

4 ' $' 1 A5' 5030509=06' .7' .20' 6A ; 0=.' 73' &094 ' 67' 385' 86' 4.' 50=04?06' 4""A6.58G .479' 357C' =7496 ' 628"" ; 0' =79="AD0D' <4.2' .20' D0G 6=54 : .479' 73' 8' "85B0' ; 5866' 73' 8D5489 ' 6.5A=F' 49' B@ : .# ; 0' 50?0560' 73' .246' : 40=0' 0124 ; 4.6' 8' 30C8"0' 34BA50' 49' 8' 6275.' D5066' M67C0<28.' 5060CG ; "49B' .28.' 8664B90D' .7' . ' %' <085G 49B' 86' 8' 208DEB085' .20' 6FA"" 89D' : 57 ; 76=46' 73' 89' 0"0 : 289. ' 89D' 27"D49B' 49' .20' "03.' 289D' 8' =7A : "0' 73' =75AE=856# .89D49B' 7 : : 764.0' .7' 205' 46' 8

C8"0' 34BA50' 73' C8.A50' 8B0' <2760' 54B2.' 289D' 620' "43.6' A:' <4.2' 205'7<9' 89D' F46606'4.*' 246' C8"0' 34BA50' "8A508.0D' 89D' .7B8.0D' 27"D6' 49' .20' "03.' 289D' 8' 6=0 : .50' 6A5C7A9.0D' ; @' 89' 08B"0* 9' .20' 340"D' 73' .20' =749' 46' * * MC85F49B' .20' I?.2' @085' 73' 8' 504B9N*

246' A94SA0' 0"0B89. ' 89D' 50C85F8 ; "0' .@ : 0' 46' 50=7B9460D' ; @' 0F20"* $* ' ?4* aN' 89D' ; @'

4""49' $4 ' F 3 ' 4* H N' 86' 50:50609.49B' .20' &094A6' 73' "0I89D548' 286.0949B' .7' C00.' 8D5489' 79' 790' 73' 246' 8554?8"6' 49' .28.' =4.@' 89D' .7' <0"=7C0' 24C' 86' 205' BA06. ' <24=2' 620' D706' 49' .20' C76.' 0I : 50664?0' C7D0' 73' 620<49B' B58.03A* 8=F97<"0DBC09.' 375' ; 09034.6' 8"508D@' =7930550D*

^ 75' .20' =86.' M49' BA..8' : 05=28N' 83.05' <24=2' .20' 8 ; 7?0' =A.' 286' ; 009' 0I0=A.0D' .20' =7C : 4"05' 46' 49D0 ; .0D' .7' 246' 35409D' 5* F05C89' <27' <86' 49' : 766066479' 73' .20' 754B498"0*

"A' n70B8' " ' 33+ ' ?44*N' 46' 8' 64C4"85' .@ : 0' <4.2' .20' 8DD4.479' 73' o 6 * ! ' 375' 4.6' 8==7C : 89@49B' "0B09D* A.' 4.' : "8=06' 8' 64C : "0' <89D' 75' .20' 286.8' : A58' 49' .20' 0C : 0575L6' "03.' 289D' 496.08D' 73' .20' 08B"0E.7 : : 0D' 6=0 : .50' 73' 0C : 450*

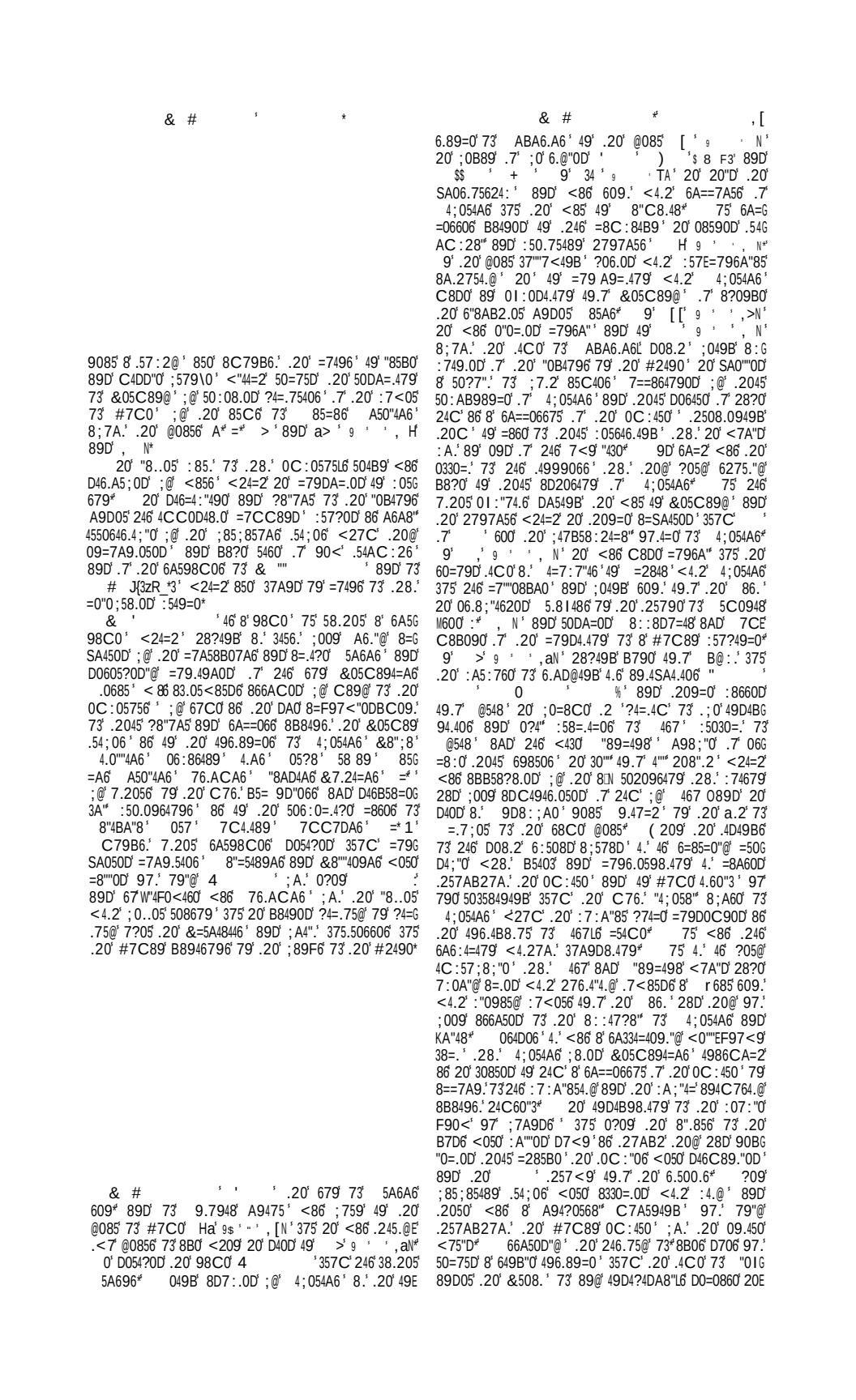
& * 1 ' ="89' 0C ; 58=49B' 60?058"* 38C4"406' A94.0D' .7B0.20 5' ; @' 8' =7CC79' 98C0* 246' <75D' 286' 8' D4330509.' C08949B' 357C' .28.' 73' ! ' 89D' 8"67* 357C' .28.' 73' F 77 ' C79B6.' .20' 7C896' .2050' <050' 4 ' 89D' ! ' 67' 49G D00D' .28.' .20'5 ' C4B2.' ; 0' 684D' .7' ; 0' =7CG : 50209D0D' 86' 8' 6 : 0=406' A9D05' .20' ' 75'58=0* 4 ' 600C6' .7' ; 0"79B' .7' .20' '" ' 98C0' $ ' .7' .20' ' 75' 6A598C0' 73' 8' 27A60/ .20' 375C05' 49=" AD0D' .20' <27"0' .20"'8..05' 79"@' 8' : 85.* 75' 0I8C : "0' 8"'* .20' ' <050' 73' .20' 68C0' ' 75' 58=0' ; 0=8A60' .20@' <050' 8' =7C : 5460D' A9D05' .20' 68C0' 98C0* A.' .246' ' 28D' 60?058"* ; 589=206' <24=2' <050' D46.49BA4620D' ; @' .20' 506 : 0=.4?0' ' 89D' .2060' ; 589=206' <050' =8""0D' ! ' 8C4"406* 2A6' 49' .20' 4 ' ' .2050' <86' .20' 8I4C4' .20' 0668"60' .20' "8==4' .20' 8=A94' .20' 7 : "4="p' <27' 375C0D' 67' C89@ 38C4"406' 73' .20' 68C0' 27A60* L06.A6' .20503750' B4?06' 8' B77D' D03494.479' 73' .246' <75D' 4 ' 49' 68@49B 1 &098' 8 : : 0""8.A5' SA00' 0I' CA".48' 38C4"446' =7934=4.A5* ==75D49B"@' 8B849' 43' <0' .8F0' .20' 4 ' ' <0' 28?0' 375' 4.6' $ ' .20' "8647906' 0.20B4' 7"8 ; 0""60' 09E' .A"4' =4 : 47906' 4609960' =* 2060' 0I8C : "06' 850' =79345C0D' ; @' .20' .06.4C79406' 73' 89=409.' < 54.056' 8C79B6.' <27C' C8@' ; 0' =4.0D' A0.794A6' 89D' 4?@* 20' 375C05' 68@6 1 C8B4906' 0.' 0"7B48' 9A4?0564' B090546' M A" : 4=44N' 0I60SA4' "79BAC' 08.' 38C4"4p' M&8" ; pN' ; 50?4.05' 8..49B8C* 1 4?@' 68@6 * =4 : 47 864=8' .54 ; A976' 8 : : 0 8?4.' 758.4790CSA0' 28 ; A4.' : "0A8C' ?0546' D0=754 ; A6' 979' =7CC994.05' C7D7' 7590"4p' B09.46' 60D' : 57 : 540' 38C4"4p' 6AC*U' 1 0F20"* ?* [* 2050' <050' : 8.54=489' 27A606' 89D' .2050' <050' 27A606' 73' .20' : "0 ; 0489' 75D05' 89D' 67C0.4C06' 49' .20' 68C0' ' .2050' <050' 67C0' 38C4"406' 73' : 8.54=489' 589F' 89D' 7.2056' 73' : "0 ; 0489* 4 ' 68@6' ' 86=20' C0896' 8* ' .20' 7336 : 549B' <27' ' 357C' 790' 89=06.75' 89D' 86' 4.' <050' 3456.' : 8509.' 8" <8@6' ; @' ; "77D' 50"8.479624 : ' M.58DA=0' 689BA490N' 28D' D06=09D0D' 49' 8' 54B2.' "490* ! ' <86' 8' ; 589=2' B57 < 49B' 7A.' 73' .20' .5A9F' 75' C4DD"0

908506.' .7' .20' 64D0' M8D' "8.A6' : 57I4C0N* F + ' 49' .20' "86.' : "8=0' C8@' 54B2."@' ; 0' D097C498.0D' 8' ; 589=2' 73' .20' ; 589=2' M58CA6' 58C4N*

75' 8' D06=54 : .4?0' "46.' 73' .20' 4 ' 89D' ! ' 8 ' 86' 37A9D' 79' 796A"85' =7496 1' 600' 47990.' * = =' ' 1 F05C89' * ' ' 1 4==47' ' ' ! ' ' * & * 1 2760' 73' .20' 68C0' B096' <050' =8""0D' ' 89D' .2760' 73' .20' 68C0' 0D' B3C4"@' ' 20' .05C' B0A.f06' 68@6 0F20"' <86' 8 : G : "40D' 97.' 79"@' .7' .2760' <27' ; 0"79B0D' .7' .20' 68C0' B096' ; A.' 8"67' .7' .2760' <27' ; 750' 79"@' .20' 68C0' 98C0* 4=057' .0""6' A6 1 T' 20@' 850' =8""0D' B09G .4"06' <27' 62850' .20' 68C0' 98C0*U' 0' <86' .20503750' A6.4340D' 49' 68@49B' 79' 897.2050' 7==86479' T' 2050=@D06' .20' @5489' <86' .20' 3456.' .7' C8F0' .20' 7 ; 605?8.479' .28.' .20' C49D6' 73' C09' <050' 4CC75.8"' 89D' 20' <86' 790' 73' 8' ?05@' 50C7.0' 8B0' 86' 20' "4?0D' DA549B' .20' 504B9' 73' C@' " ? %2 1 4*0* 05?4A6' :' ; 0.<009' <27C' 27<0?05' 89D' 4=057' .2050' <86' 97' : 749.' 73' =7990I479' ; 064D06' .20' 64C4"854.@' 73' 98C0* 06.A6' .77' B4?06' .20' 68C0' 8==7A9. 1' T' 20' .0549' ' 46' 8 : : "40D' ; 7.2' .7' 24C' <27' 46' D06=09D0D' 357C' .20' 68C0' 6.7=F' 89D' .7' 24C' <27' 46' =8""0D' ; @' .20' 68C0' 98C0' ' <4.9066' .20' 0I : 5066479' 73' 49=4A6 1 T 20@' 850' C@' 0 ' <27' ; 085' C@' 98C0*U' 7960SA09."@' 20' <27' <86' 07990=.0D' <4.2' 8' =05.849' "4908B0' ; @' 98C0' C4B2.' 0864"@' 8 : : 085' 49' .20' 0@06' 73' .20' 49.0506.0D' .7' ; 0' 8""40D' 8"67' ; @' ; "77D* 20@' <27' 7 : : 760' .2045' 7<9' =79 0=.A506' .7' .20' 8A.27G 54.@' 73' 479@64A6' .0""* A6' 375' 0I8C : "0' .28.' .20' "8.05' - ' : 8660D' 7?05' 357C' .20' : 8.54=489' .7' .20' : "0 ; 0489' 589F6* .' 46' 97.' A949.0506.49B' .7' =8""* .7' C49D' .28.' 49' .20' 085"406.' : 0547D' 73' .20' =7CC79<08".2' .20' 68C04C : 764.79' <86' : 58=.460D' ; @' 8' =05.849' * KA94A6' 73' : "0 ; 0489' 754B49' 89D' 4B97 ; "0' 6.8.479' <27' <209' .20' : 07 : "0' 50.450D' .7' .20' 796' 8=05' 49' 75D05' .20' C750' 0330=.A8""@' .7' D450=.' .2045' ?09B089=0' 8B8496.' .20' # ' 866AC0D' .20' =7B97C09' 73' * ' 89D' <86' .2050A : 79' =27609' .20' 3456.' .54 ; A90' 73' .20' : 07 : "0* 1 00' * ' ?4* > * & * 4 1 3' 8.4796*EEEE 00' E ' & *' # *' 89D' # ' & *' # * & ' + ' ' ' + ' =* 1 8.4796' 75' .0554.75406' =8 : .A50D' 6A ; DA0D' ?89SA4620D' 50B8490D' =* 850' 50=75D0D' ; @' 98C0' 79' .20' =7496' 73' 7C89' 0C : 07556* 1 00' a & # .' ' ' # ' # ' # ' & # ' K) ' # ' # E' 4 ' =* 4C4"85' 5030509=0' 46E' C8D0' .7' 98G .4796' 89D' =7A9.5406' 6A ; DA0D' 89D' .8F09' : 76606G 6479' 73' ; @' .20' 7C896' 79' =7496' 73' .20' , + 0 ' 89D' ' ' ; 08549B' .20' 496=54 : .479' $' # 46' 86' 49' ABA6.A6' ' $ * ! ! ' 86' 49' "8AD4A6' ' & * ' 75' & * ! ' 86' 49' ABA6G .A6' 057' 5A6A6' "8AD4A6' 7C4.489' * AG 50"4A6' 89D' 7.2056' 89D' 49' 0 : .* 0?05A6' .20' "0B09D' 73' & * ' ' " # ' ' 8"67' .20' ' 4 46' 73' 06 : 86489' ' 89D' .20' ' * 9 ! A' 73' * A50"4A6' 89D' 73' 7CC7DA6* 20' 68C0' .7F09' 73' =79SA06.' 89D' ?4=.75@' 46' =79?0@0D' A9D05' .20' 98C0' 8"790' 73' 8' : 85.4=A"85' .54 ; 0' 75' 50B479' 86' #4 * 89D' # ' 79' =7496' 73' "8AD4A6

& &# *1 & # *

A.7949A6 4A6 7CC7D96 0?05A6 " ! 86 49 58 89 # * " ! & ! 86 49 796.89.4E 9Aa *1 & 4 79=7496 73 57;A 89D 8=4.A6 20 8==7C:89@49B .@:06 .7 .2060 850 375 .20 C76.: 85.8 <7C89 ?04"0D 89D <00:49B 75 8 =8:.4?0 64..49B ;7A9D 8. .20 377.73 8 .57:"4@ 73 85C6 9 67C0 73 .20 4C:0548" 605406 <0 8"67 349D .20 24B206. .05C6 73 0A"7B@ 0C:"7@0D 97. 86 375 .20 =79SA06. 73 8 649B"0 98.479 C050"@ ;A. 375 C89@ 64CA".8907A6"@ ?89SA4620D 86 49 .20 # $ oo .: # & 4 # # # 73 796.89.490 .20 &508. .20 != 75 $!= ! " * 3456. 49 9C05489A6 89D 83.05<85D6 49 796.89G .490 89D 246 6796 546:A6 89D 796.89.496 89D .7 =57<9 .20 377"05@ 73 0I.58?8B89. ;786.49B :0=A"485 .7 .20 "7<05 0C:450 ! " * ! <2 1 8::0856 79 =7496 73 8109.4A6 79G 6.89.490 89D 796.89.49A6 A9475* & # 20 2AC89 58=0 75 C89F49D*1 246 .05C 496=54;0D 79 67C0 =7496 64B9434O6 .20 <75"D 86 4.<86 =7C:50209D0D A9D05 .20 4C:0548" 6<8@ 73 #7C0*1 00 o '& D *! 4 73 &8";8 8"67 .20 * ! *' & * 1 73 8"05489 89D &75D489A6 4A6* & &# *1 7<' B5D8."@ .20 6.AD@ 73 9=409.' &07B58:2@ 46 ;09034..0D 89D 86646.0D ;@ 8 F97<"0DB0 73 .20 9AC46C8.4= 6=409=0 46 =7:4G 7A6"@ 620<9 ;@ 570"4=2 M49 ' ':* [0.6=S*N 20 A.4"4.@ 73 6A=2 8A.209.4= C79AG C09.6 375 .28.':A5:760 28D 8"67 ;009 :50?47A6"@ 8=F97<"0DB0D ;@ .20 38.205 73 50?4?0D B07B58 4""@ ;5828C 5.0"4A6 <27 8?84"0D 24C60"3 73 .20 84D <24=2 =7496 83375D0D 24C .7 506=A0 357C 7;6=A54.@ 89D D7A;. .20 98C06 73 C89@ =4.406 89D :"8=06* 20 "0859 0D <75F 73 8549 6 <7A"D 904.205 28?5= 503"0=.0D 67 CA=2 =50D4.' 79 4.6 8A.275 975 :57?0D N3 67 CA=2 A60 .7 "4.0585 C09 A9"066 C89@ .249B6 508D .2050 28D :50G ?47A6"@ ;009 =79345C0D 86 .5A0 ;@ .20 0?4D09=0 73 C0D8"6*1 #86=20 & #* & # * 4 1 & #* * 4 ' ' + & #* 4 1 +* 4 i $ 97.' 4 8$ 79 3456.' ;5866 73 4.0""4A6*1 00 +* & #* # * & #* &099894=A6* & # *1 246 "0B09D 89D 4.6 .@:0 8 <7C89 6.89D49B <4.2 6:085 89D &05C89 6240"D 79 8 D09854A6 73 8D5489 850 =7964D050D 8""AG 64?0 .7 .20 =45=AC6.89=0 73 .28.0C:0575L6 :86649B 7?05 357C &8A 49.7 &05C8948 86 :85.489 50"8.06 49 .20 @085 9 ' ',> i 89D 79 <24=2 7==86479 8==75D49B .7 .20 68C0 8A.2754.@ 20 4C:760D 8 F49B 79 .20 &05C896 9 5030509=0 .7 .246 6A;0=.600 6 * "! & * .' 41 ' :* H * & # * M&05C8948=79SA050DN 1 30C8"0 34BA50 :0567943@49B &05C8948 <00:G 49B 608.0D 79 8 ;A=F"05 8.' .20 377.73 8 .57:2@ =7C:760D 73 &05C89 85C6 9 .20 54B2.6.89D6 8 &05C89 =8:.4?0 246 289D6 27A9D ;0249D 24C 246 6240"D 8.246 300. 9 .20 0I04EBA0 * 1 1 (Fi 5.5 N h4.3z8 E 4$$ 4 EF _ 1 F%* 7(4B 1 $ 8 H _ A6.73 7C4.489 48A508.0D 8D7590D <4.2 .20 4 B46* & # ' * 246 5850 3456.' ;5866 46 73 .20 @085 H 73 #7C0 9 ' N* 7C4.489 <86 97 6770905 608.0D 79 .20 .25790 .289 4.' :"0860D 24C .7 A9D05.8F0 89 0I:0D4.479 8B8496.' .20 8..4 8 &05C89 .54;0 89D .27AB2 67 385 357C =7C49B .7 8=.479 <4.2 .20C 20 28D 97.' 79=0 0?09 6009 .20 090C@ @0.' 50:86649B .20 #2490 .246 =7<85D"@ .@589.' 28D .20 8557B89=0 .7 .8F0 .20 2797A56 73 .20 .54AC:2 375 246 377"462 =8C:84B9 8B8496. .246 :07:"0 89D .7 866AC0 .20 6 C8C0 73 &05E C894=A6 0 =8A60D 6"8?06 .7 ;0 ;7AB2. <27 <050 D50660D 83.05 .20 C89905 73 .20 &05C896 89D <2760 2845 <86 6A3350 .7 B57<49 75D05 .28.' .20@C4B2.:866 375 &05C896 49 .20 0@06 73 .20 #7C89 =4.4\096* 9 .20 50?0560 73 897.205 "85B0 ;5866 6.5A=F .20 68C0 @085 86 .20 :50=0D49B =749 89D 28?49B 5030509=0 .7 .20 68C0 54D4=A"7A6 :50.0964796 73 7C4.489 .7 .20 2797A5 73 28?49B ;08.09 .20 &04C896 #0:50609.6 67C0 F49B 75 =2403.849 73 .28.:07:"0 27"D49B 8 ;A=F"05 89D 79 246 F900 ;0375 .20 0C:0575 <27 6.89D6 28;4.0D 49 .20 + 3 27"D49B 49 246 54B2. 289D .20 + M 3 89D 49 246 "03. .20 286.8 9 .20 340"D * ^ 86649B B"8D"@ 3574K .20 ' ?4=.7540 6 73 8 =7<85D"@ .@589. .7 .20 .54AC:26 73 8 ;58?0 D0309D05 73 246 0C:450 <0 :57=00D .7 97.4=0 .20 .<7 37""7<49B C79AC09.6 73 4C:75.89. 6A=G =0660 B8490D ;@ A50"4A6 49 ;8.."0 <4.2 .20 &05C896 /1Q & # ? 4 2 1 20 8==7C:89@49B .@ 30 73 .246 50?0560 50:50609.6 8 ?05@ 3490 .57:2@ 79 790 64D0 73 <24=2 64.6 8 <00:49B 30C8"0 79 .20 7.205 6.89D6 8 .8"" 28"3E98F0D C89 <2760 A:54B2.:76.A50 89D C89"@ 845 850 =2858=.0546.4= 73 .20 A96A;DA0D 6:454. 73 .20 &05C89 54;06* 1 1) # ?F4 8A50""0D 208D 73 A50"4A6 .7 <27C .20 "0B09D0 73 50?0560 86=54;06 .20 B"75@ 73 28?49B .05C498.0D .20 <85* & # 8H C # < zj # 30C8"0 34BA50 46 608.0D 8.' .20 377.: 73 8 .57:2@ 49 89 8..4.AD0 73 0I.50C0 D0 0=.479 89D B5403 1 205 208D ;09.' D7<9 89D 205 289D6 7490D A:79 205 "03.' F900 620 600C6 .7 D0:"750 205 "7.' 86 8 ?89SA4620D :57?49=0 20 "0B09D 73 50?0560 46 =7A=20D 49 :57AD05 .05C6 .289 .2760 <24=2 A6A8""@ 50=75D .20 ?4=.7540 6 73 85=A6 A50"4A6 1 ?4\ 4)7 2060 89D 7.205 0:4B58:26 8==7C:8940D ;@ .@:06 50:50609.9B 8=:.4?0 &05C896 6.89D49B 75 64..49B <4.2 .2045 289D6 .40D ;0249D .20C



.20' 8DD4.479' 73' 447A8' 9AC058"6 ' 89D' 73' <24=2' .20' .i N06 850 ' "4F0' .20' 0749' ;03750' A6 ' &05C8948 ' 86' 8' <7C89' 64..49B' 79' 8' 6240"D' 49' 89' 8..4.ADD' 73' B5403 ' .20' 6240"D' 357C' 4.6' 7;"79B' 628:0' ;049B' 8' &05C894=' 790 ' 89D' D46.49=.4?0' 73' .28.' :07:"0 ' :5' 8' .57:2@' 050=.0D' ;0.<009' 8' <7C89' 64..49B' 89D' 8' &05C89 ' <4.2' 246' 289D6' ;7A9D' ;0249D' 24C ' 6.89D49B' ;@' ;46' 85C6* 1 =F20"' ?4# H a '

& # ' +# #* 1 ' .57:2@' ;0G .<009' .<7' =8:.4?06' 608.0D' 79' .20' B57A9D# 246' 64"?05' =749' 73' 8"05489A6' 46 ' 79' 8==7A9.' 73' .20' 8DD4.479' ' .508.0D' <4.2' B508.' D46.49=.479' ;@' 3489DA54 ?' <27' 83345C6' .28.' .2050' 46' 97' =749' 73' 89@' 7.205' 0C:0575' ;0854 9B' 6A=2' 89' 496=54:G .479# 0?05.20"066 ' .20' 68C0' 50?0560' 46' ?' :"849"@' .7' ;0' 6009' 79' 8' =749' 73' &8""409A6 ' 49' .20' =8;490.' 73' 40998# 8=2' 0C:0575 ' 79' 8=G =7A9.' 73' .20' ?4=.75406' <79' ;@' &8 40996' 7?05' .20' &05C896 ' =8""6' 24C60"3' 4 ' ' 89D' .20' ' 46' 8334I0D' 49' 50=75D' 73' .2500' ?4=.75406' B8490D# &8""409A6 ' 49D00D ' 6A:G :"406' 60?058" 0I8C:"06 ' 620<49B' .28.' 49' .28.' 8B0 ' ?4=.75406' <050' 09AC058.0D ' 49' "4F0' C89905' 86' 8.' 89' 085"405' :0547D' .20' .4."0' 73' H ' <86' 01G 8".0D' 8==75D49B' .7' .20' 9AC ;05' 73' ?4=.75406* 1 0D' & # ' +# # 73' &8""4=7A6* 1 . ' '?44# [' 89D' ,* & # ' M N# 4=.75@' 7?05' .20' &05G C896* 1 ' .57:2@' =7C:760D 73' &05C89' 85C6*ÊÊÊ 1 # ' ' # ' & # ' , N # E ·A· 8A50""0D' 208D' 73' 5A6A6' 609475# &7"D* 1 ' 9B58?0D' 357C' 8' 6:0=4G C09' 49' .20' 54.462' AG 60AC*

& # ' M N# 9' 0SA06.5489' 6.8.A0' 79' 2' .54AC:28"# 85=2 ' ;0.<00W' .<7' .57:2406* 1 1) ' 8C0' "0B09D' 89D' .@:0' 86' .20' :50=0DCB* 1 00' :# H a' 375' 8' <77DE=A.' 73' .246' B7"D' =749*

20' .<7' 6A;0=.6' 8;7?0' D06=54;0D' 605?0' <4.2' 7.205' 9AC46C8.4=' C79AC09.6' .7' 50=8"' .20' 2797A56' D0=500D' .7' 5A6A6' 83.05' 246' D08.2 ' 49="AD49B' .20' 6.8.A06 ' ;7.2' 0SA06.5489' 89D' :0D06G .5489 ' <24=2' <050' 5846 0D' .7' 246' C0C75@' 89D' .20' .54AC:28"# 85=2' ;A4".' 79' .20' : :489' <8@' 49' 2797A5' 73' .246' =0"0;58.0D' B09058"# 73' ABA6.A6* 3' 4 ' 97<' A9D05' .20' B09058"# D064BG 98.479' 73' &05C89@' .20' C76.' 0I.0964?0' =7A9.5@' 49' C7D059' A57:0' .20' D054?8.479' 73' .20' 98C0' 46' 97.' ="085"@' 86=05.8490D# @' 67C0' 4.'46' 6A: :760D' .7' 28?0' ;009' 67' =8 0D' 357C' .20' 98.479' .28.' :8660D' .20' #2490' 89D' 0I:0""0D' .2760' &8A"6' <27' 49' .20' .4C0' 73' 8=4.A6 ' <050' =8#0D' .20' A9B54' M4928;4.G 49B' .20' :50609.' .0554.75@' 73' KA"4056' 89D' 50?06N# 3.05<85D6' .20' <27"0' ?86.' 50B479' 357C' .20' 627506' 73' .20' 8".4=' .7' .20' #24=.489' 89D' 754=89' ":6' <86' 49="AD0D' A9D05' .28.' 8:: 0""8.479# .' <86' D4?4D0D' ;@' .20' #7C896' 49.7' &05C8948' 54C8' A:05475' 75' : :05' 89D' &05C8948' 0=A9D8' 9G 305475' 75' 7<05# 20' 375C05' 67' =8""0D' 86' ;049B' C750' 49"89D' "8@' 8"79B' .20' <06.059' ;89F' 73' .20' #2490' 89D' =79.8490D' 60?058" &05C89' 98.4796# 9' .20' 086.059' ;89F' 73' .28.' 54?05' <050' .20' 54644' M49' :85.' 73' 7""89D' 5406"89D' 89D' &57949B09N' <2760' =7A9.5@' <86' 49.0560=.0D' ;@' 8' =898"' C8D0' H'

;@' .20' 0"D05' 5A6A6' <2760' ?4=.75406' 7A5' =749' 2050' =7CC0C758.06# 75.2E=86.' 73' .20' 54644' <050' .20' 28A=4' D46.49BA4620D' ;@' 8=4.A6' 86' .20' C76.' 97;"0' 89D' A6.' 73' 8 ' .20' &05C89' 98.4796# 7A.2E086.' 73' .20' 28A=4 <050' .20' 205A6=4 M4928;4.49B' .20' =7A9.5@' 97<' =7C:50209D49B' A20;A5B' 5A96<4=F' 89D' :85.' 73' 589D09G ;A5BN# ?' .' <86' ;@' .246' 98.479' 49' "08BA0' <4.2' 904B2;7A549B' .54;06' A9D05' .20' =79DA=.' 73' 5C4E' 94A6' .28.' .20' .2500' "0B4796' =7CC89D00' ;@' % A49E' .4"4A6' 85A6' >' 9 ' aN' <050' D0308.0D' 89D' 6"849' 49' .20' 8".A6' 0A.7;05B409646' "* + $' #) % ' 9D' 4.' <86' 79' .246' ?05@' 6=090' 73' 246' =7A9.5@C09L6' 6"8AB2.05' 89D' 73' D46B58=0' .7' .20' #7C89' 85C6' .28.' 8;7A.' 60?09' @0856' 83.05<85D6' &05C894=A6' .05C498.0D' 246' =8CG :84B96' 49' &05C89@' ;@' 8' =57<949B' ?4=.75@' .20' .54AC:28"# 506A".' 73' <24=2' <86' .20' 50=8:.A50' ;@' .28.' 2057' 73' .20' "76.' 0964B96' 357C' 8';58?0' ;A.' .2757AB2"@' ?89SA4620D' 89D' 375' 8' "79B' .4C0' 2AC;"0D' 370' 86' 50=75D0D' 79' 246' <0"" F97<9' =749' & ' ' # ' & # 1 75' 89' 8==7A9.' 73' .20' D4330509.' 98.4796' =7C:5460D' <4.249' .20' D4?4647?' 73' &05C8948' 9305475' M97<' 7A.2059' &05C89@N' .20' :549=4:8"# 608.' 73' <85' 49' .20' 504B9' 73' # A50"4A6' 600' ' ' 4 + 3' ;@' .20' "8.0' :# A."05' 0D4.# , *

& # ' M *N 1 # # 76*P # # * 1 ' 208:' 73' 85C6' 89D' 85C7A5*E 1 A# ' ' EF4 ' & # 8<35W8' # 835 <4 #* # +++# # * 1 ' & # # #* 4 # +++ # # # # # # * 1' &7"D' 64"?05' 89D' "85B0' ;5866' 73' # A50"4A6# ! .' 46' 50C85F8;"0' .28.' 49' .20' B58?06' 49' &05G C89@' 97' 01I8C:"0' 73' 7;"79B' 6240"D6' 850' 37A9D' ;A.' 8"" 850' 57A9D* 1 00' #78=2' C4.2' ' 0 ' 0

2050' 46' 67C0.249B' 97.' 8' "4.."0' 503506249B' 89D' 68.4638=.75@' 49' .20' .7F096' 73' ?4=.75@' D46G :"8@0D' 79' .2060' C4"4.85@' =7496' 73' .20' T' :24"7G 67:24=' :549=0 U' ;0=8A60' A9"4F0' .20' ?849' =79G =04.0D' 20_'73' 7C4.489L6' :576.4.A.0D' C49.' .20@' .5A"@' 8..06.' .28.' 605406' 73' 85DA7A6' ;A.' 0?09G .A8""@' 6A==0663A"=8C:84B96' 246' :056798"# 62850' 49' <24=2' 86' + ' 89D' ' 7;.849D' 375' A50"4A6' .20' 6A598C0' 73' 4 ' (28.' 509D056' .20C' 73' :0=A"485' 49.0506.' 46' .28.' .20' =7496' 49' SA06.479' <050' 6.5A=F' 8.' 8' :0547D' 67' =8"8C4.7A6' 89D' 3A""# 73' D4334=A".406' .28.' 246.754896' =7C:850' .20' :054"6' <24=2' .209' 09?45790D' #7C0' .7' .2760' 73' .20' A94=' <856# 9Va>' 9 ' , N' <4.2' <24=2' .20' .245D' =796A"8.0' 49' .20' "0B09D' =75506:79D6' .20' 0C:450' <86' 58?8B0D' ;@' 8' :06.4G "09=0' ;0"40?0D' .7' 28?0' ;009' ;57AB2.' 357C' .20' 86.' ;@' .20' "0B4796' 73' * 05A6# 20' 85=7C8994

, & # *E_E& *

.20' %A8D4' 89D' 8"C76.' 8"'' .20' ;85; 85489' .54; 06' 73' .20' 75.2 ' 5760' 49' 790' <4D0' =45="0' 73' 50?7"." 8B8496.' .20' 0C:450# .' <86' 8.' .20' =7CC09=0G C09.' 73' .28.' @085' .28.' .20' .<7' 0C:05756' # A50"4A6' 89D' # 05A6'60.' 7A.' 375' &05C8948# 9' .2045' 8554?8'# .2050 ' .20' ;85; 854896' 86F0D' 375' 89D' 7;.8490D' :08=0# 9' a>,' 9 ' ', N' .20' 0CG :05756' 50.A590D' .7' #7C0# 20'37""7<49B' @085' 68<' .20' 4 ' 49' 5090<0D' 89D' 375C4D8;"0' 496A550=.479' 89D' .20' .<7' ' C8D0' 496.89.' :50:858.4796' 375' 897.205' =8C:84B9# 20' 6ADD09' D08.2' 73' 05A6' 357C' 8:7:"0I@' "03.' A50"4A6' 67"0' 0C:0575' ; A.' 83.05' ;549B49B' ;8=F' .20' 50G C8496' 73' 246' =7""08BA0' .7' #7C0' 89D' =8A649B' .20' 2797A56' 73' =7960=58.479' .7' ;0' D0=500D' .7' 24C' 85=A6' C49D3A'# 73' 246' DA.@' .7' .20' .8.0' 50G 6AC0D' 246' C85=2' 79' 50;0""47A6' &05C8948# 9' a>H' 9 ' ', N' :506649B' ?4B757A6"@' .20' <85' 8B8496.' .20' X 85=7C8994' 20' 06.8;"4620D' 246' 208D' SA85.056' 49' 8997948# 209=0' 20' :A56A0D' .20' =7A560' 73' 246' ?4=.75406' 7?05' .20' &05C896# 9D' 49' a>['9 ' ', >N' .20' .4."0' 73' 4 ' <86' =7930550D' 86' 8' ?50""E08590D' D46.49=.479' A:79' 85=A6' A50"4A6'# 20' 49.05?8'# 357C' a> '9 ' ', HN' .7' a> '9 ' ', [N' <86' 7==A:40D' 27<0?05' <4.2'89'8"C76.'=0860"066'6.5ABB"0'79'.20':85.'73'.20' ;85; 854896' 49' 85C6' 8B8496.' .20' C4"4.85@' :7<05' 73' .20' #7C896' 2A.' .20' 090C@' ;049B' ;08.09' 79' 8"'' 64D06' 89D' 375=0D'.7' 6A0' 375' :08=0' .20' ;58?0' 89D' ?4=.7547A6' 0C:0575' 8DD0D' .20' .4."0' 73' F ' .7' .28.' 73' &05C894=A6' 89D' 50.A590D' 49' .54AC:2' .7' #7C0# 9' "066' .289' 37A5' @0856' 83.05G <85D6' .20' &05C896' <050' 8B849' "08BA0D' 8B8496.' .20' 0C:450' 89D' 8".27AB2' .20@' <050' D0308.0D' 49' C89@' ;"77D@' ;8..'06' 89D' .20' 85=7C8994' 49' :85.4=A"85' 9085"@' 0I.05C498.0D' ;@' 246' "0B4796' # A50"4A6' <86' 97.' D06.490D' .7' 50?464.' 246' =8:4.8"' ; 8.' D40D' aHH' 9 '9#', N' 8.' 49D7;798' M,'40998N' 49' 8997948' .20' ;860' 73' 246' <85"4F0' 7:058.479' 89D' 6=090' 73' 246' :57AD06.' 8=240?0G C09.6*

& # ' &8"8.460' ' .7' .20' 67A.2' 73' 06649A6' 97<' 49' 648.4=' A5F0@* 1 20 =7496' 73'.246' =7"79@' 850' ' 4C:0548"' 49' 3456.' !89D' 60=79D' ;5866' 357C' 7C4.489' .7' .5A6=4""8' 49="AD49B' 7CC7DA6' 48DAC09489A6' 89D' .8=4"48' 0?058# 90' 73' .20' .@:06' =79646.6' 73' 89' 08B"0' <4.2' <49B6' 6:508D' 79' 8' :0D06.' ;0.<009'.<7' 0964B96' 8""A64?0' .7' .20' ?0.05896' 73' 67C0' "0B479' <2760' 98C0' 46' 97.' F97<9' ;A.' <27' 357C' .20' "0B09D' ' 1 1 ' 4 0' & #E =5<C' <7A"D' 8:;085' .7' 28?0' ;009' 609.' 49' .20' .4C0' 73' 4.6' 37A9D05' ABA6.A6' .7' :07:"0' .28.' =7"79@# .' .77F' .20' .4."0' 73' ! 7' 7A.' 73' 4""E' ;06.7<0D' =7C:"4C09.' .7' 7CC7DA6# 20' 7.205' .@:06' 850' .20' <7"3' 89D' .<496' 8' :5406.' BA4D49B' .<7' 7109' 8.' :"7AB2# 9D' .20' .5A6=4""8' 0I24;4.6' 79' 4.6' 50?0560' 4# & 75<C' ' # '" &7' ' .8;"0' 58460D' 79' .2500' 6.0:6' 89D' 79' <24=2' 46' 8' B"7;0' ;0.<009' .<7' A596# ;7?0' .20' B"7;0' 46' .20' ' M<490' 75' 74"# :5066N' ' .20' <27"0' <4.249' 8' =57<9' 73' "8A50"* 1' $ 89494' =4.0D' ;@' 47990.*Q

& ' " ' 75' A;"4A6N' .20' @7A9B05' 679' 73' 0?05A6' 89D' 7C98' ;57.205' 73' 858=8""8' <86' ;7C' 8.' 0D47"89AC' M 4"89N' 8;7A.' .20' @085' 73' #7C0' a >' 9 ' , a*N' 0' <86' =8""0D' A=4A6 357C' 246' 38.205' 89D' .77F' .20' 98C0' 73' A;"4A6' 357C' 246' A9="0' 8' #7C89' F94B2.# 9' a[,' 9 ' ' ,a NR 0?05A6' 28?49B' 866AC0D' .20' 67"0' 8A.2754.@' 79' .20' 50C7?8"# 73' 246' 54?8"6' &0.8' 37""7<0D' 246' 38.205' .7' 749' .20' 85.2489' =8C:84B9' 49' .20' 86.' <2050' 20' D0="490D' .7' 8==0:.' .20' .4."0' 73' 80685' .27AB2' :50660D' A:79' 24C' ;@' .20' 85C@' 8::57?0D';@' .20' 098.0' 89D' .20' C:0575' 89D' .27AB2' 8.' .20' 68C0' .4C0' 246';57.205' 858=8""8' <86' 8"508D@' 6.@"0D' ' A.' 20' 50=04?0D' .20' .4."06' 73' ? AA2'- '89D' 73' ! $

a[,' .7' a[' 9 ' ',a ' .7' > *N 1 049B' 86'@0.' .77' @7A9B' .7' :85.4=4:8.0' 49' 8338456' 73' 6.8.0' 97' 0?09.6' <75.2@' 73' 50=75D' 7==A550D' DA549B' .2060' @0856*

a[' 9 '7' > [N 1 20' 98C0' 73' ' <86' D57::0D' ;A.' .28.' 73' !) ' 50.8490D'# &0.8' :57=00D0D' =796A"' 375' .20' 3456.' .4C0' 86' =7""08BA0' .7' 246';57.205' <27' <86' .209' 49' 246' 60=79D' =79G 6A"8.0*

a ,' 9 ' '> N* 1 796A"' 375' .20' 60=79D' .4C0' <4.2' 246';57.205' M 796A"' *N' 20' 8==7C:8940D' 246' 38.205' 89D' 858=8""8' .7' .20' <85' 49' 54.849*

a >' 9 ' '> aN* 1 0' 50=04?0D' 357C' 246' 38.205' .20' .4."0' 73' ' 89D' <86' 49?06.0D' <4.2' .20' .54;A94=489' :7<05#' 440' 37""7<49B' @085' 20' ;0B89' .7' ;0' 6.@"0D' """" 5.WzWW*

a '9 ' '>,,N* 1 46' 38.205' D@49B' .246' @085' 20' ;0B89' .7' ;0' 6.@"0D' H ' ' 89D' .20' hh4O z' <86' D46=79.49A0D'# 9' .20' D08.2' 73' 0?05A6' 8.' ;758=AC' 79' .20' .2' =;5A85@' .2045' 38.205L6' 3A9058"# ;049B' 67"0C94\0D' 89D' :08=0' ;049B' =79="AD0D' <4.2' .20' 8"0D794896' .20' .<7' ;57.2056' 50.A590D' .7' #7C0'# 0547A6' 8:;50G 20964796' <050' 0I=4.0D' .257AB27A.' .20' 0C:450' ;@' .2045' D468B500C09.6'# 858=8""8' ;7.2'79' .20' 7A5G 90@' 89D' <209' 8554?0D' 8.' #7C0' <86' =796.89."@' 09B8B0D' 49' :"7.6' 375' &0.8L6' D06.5A=.479*

a [' 9 ' >,>N* 1 7' 27:06' ;049B' 09.05.8490D' 73' 8' 50=79=4"48.479' ;0.<009' .2060' .<7' @7A9B' :549=06' 89D' .20' D46.A5;89=06' <24=2' 85760' 49' 0?05@' SA85.05' 357C' .2045' D4660964796' 49=508649B' D8@' ;@' D8@' 8' D4?46479' 73' .20' 0C:450' <86' =79G .0C:"8.0D' ;A.' B4?09' A:' 8.' .20' 496.89=0' 73' .2045' C7.205'# .' "09B.2' 28?49B' "79B' 49' ?849' 8.G .0C:.0D' .7' :A.' 89' 09D' .7' &0.8L6' "430' 858=8""8' 49?04B"0D' 24C' ;@' 8' 627<' 73' 8330=.479' 49.7' 60=A54.@' 89D' F4""0D' 24C' 49' .20' 85C6' 73' 246' C7.205' 8.' .20' 8B0' 73' >>' @0856' 89D' 9490' C79.26* 0?05' M7;605?06' .20' 8A.275' 73' % 649=0' .20' D8@6' 73' .20' 20;89' ;57.2056' M .07="06' 89D' 7"@94=06N' 28D' .20' <75"D' ;020"D' 8' C750' =5A0'# 89D' D4686.57A6' 30AD' ;0.<009' C09' 50"8.0D' .7' 08=2' 7.205' ;@' .20' 908506.' .406' 73' =79689BA494.@*

28.' 790' 73' .20C' <7A"4' 0?09.A8""@ :05462' ;@' .20' 7.2056' 289D ' 28D' "79B' ;03750' ;009' 89.4=4G :8.0D ' 357C' .20'894C764.@' 67' 7:09"@' C894306.0D' ;0.<009' .20C ' 89D' 357C' .20' 7;?47A6' 49.09.4796' 73' 858=8""8#' 0.' 8""# 7490D' 49' .20' :58@05'.28.' ' 38.0 ' <24=2' =7A"D' 97.' ;0' 8?05.0D ' C4B2.' 8.' "86.' ;038""# 858=8""8 ' 58.205' .289' &0.8# 20' 3057=47A6' 89D' A9B7?0598;"0' D46:764.479' 73' .20' 375C05' <86' <0""# F97<9 ' <24"6.' &0.8 ' 79' .20' 7.205' 289D ' C849.8490D' 8' =2858=.05' 375' 49.0B54.@' 89D' C7D058.479 ' 20' <86' =7A5.07A6' 49' 246' 49.05G =7A560' <4.2' .20' :573"4B8=@# 20' =5A0".@' 0105=460D' ;@' 858=8""8'.7<85D6'.20' 35409D6' 73'246' CA5D050D' ;57.205 ' 46'50=75D0D' ;@' 246.754896# 9D ' 49D0DD ' .28.' 4C:"8=8;"0' 28.50D ' <24=2' A6A8""@ 6A;64D06' 79' .20' D08.2' 73' 4.6' 7;0=.' 0?09' 43' 790' 97.' =7990=.0D' ;@' ;"77D ' @0.' 49' .246'=860' 73' 8' ;57.205 ' =79.49A0D' 67' A448::086=D' .28.' 8""# <27' 0?09' <57.0' 75' :5797A9=0D' .20' 98C0' 73' &0.8' <050' :A.' .7' D08.2 ' 67' .28.' .20' ?05@' :70.6' D850D' 97.' .209=0375.2' A60' .28.' =A6.7C85@' 89D' 38C4"485' 98C0' 375' 8' 6"8?0# 46' 3A5@' 01.09D0D' 4.60"3' .7' .20' 6.8.A06' 89D' =7496' 73' .20' D0=0860D' <24=2' 20' D06.57@0D# A.' 20' <86' 374"0D' 49' 246' 8..0C :.6' .7' 7;"4.058.0' 8""# C0C7548"6' 73' 246' ;57.205' 375' 97.' 79"@' 850' 9AC057A6' =7496' 73' &0.8' 01.89.' 8.' .246' C7C09.' ;A.' 67C0' 8"67' 73' 246' 6.8.A06' 06=8:0D' 8.' 64B2.' 73' <24=2' 43' <0' C8@ =50D4.' :85.489 ' 858=8""8' <86' <79.' .7' <00:# 246' 0C7.479 ' 27<0?05' <86' 97' :5773' 73'50:09.89=0' ;A.' 79"@' 73' A98?74D8;"0' 50C7560# 20' 0586A50' 73' &0.8L6' 98C0' 357C' :A;"4=' C79AC09.6' 46' .06.4340D' ;@' 9AC057A6' C85;"06' 89D' :85.4=A"85"@' ;@' .20' 85=2' 73' 0?05A6' 6.4""# 6.89D49B' 8.' #7C0# M 00' : :# 1 aN# 7.<4 6.89D49B' .246' 50"09.G "066' =79DA=.' 858=8""8' ;06.7<0D' B508.05' 8..09*0' .479' .289' =7A"D' 28?0' ;009' 01:0=.0D' A:79' 246' ;57.2056' 3A9058"' 89D' D0:764.0D' 246' 50C8496' 49' .20' .7C;' 73' 0?05A6' 79' .20' 48' ::48*U 1' M?44# >> E>H 4E>HH*N

.'46'97.'F97<9' <20.205' .246'A9375.A98.0' :549=0' <86' C85540D' 75' 97.*

9' 246' =7496' <24=2' 850' 9AC057A6' M?05@' 5850' 49' B7"D ' 375' .20' C76.' :85.' =7CC79' 49' 64"?05 ' 5850' 49' 3456.' 2A.' =7CC79' 49' 60=79D' ;5866N ' 20' 46' 6.?"0D' # # & 1 & ' 51 ' # # # # & ' &* 1 75' # # & ' # &# # 7C0G .4C06' .20' :5097C09' 73' A=4A6' 67C0.4C06' .28.' 73' A;"4A6' 46' 6009' 79' .20' u '=7496' 73' &0.8 ' ;A.' 79' 67C0' 4 7' =7496' ;7.2' 98C06' 850' 37A9D' .7B0.205# 2050' 850' :40=06' <24=2' 50:50609.' 24C' <4.2' 0:.# 0?05A6' KA"48' 7C98 ' 89D' 84#8=8""8* 20' 37""7<49B' 850' 893=9B6.' .20' 58506.' 50?056 06/ < o / ' & ' 7A9B' 208D' 73' 858=8""8# M 8"A0D' ;@ 479A0.' 8.' > '35# 89D' [[' 35# 49' 64"?05N* 1 - ' M .# ,[' 35N* 1 ' # ' &&& 858=8""8' 89D' &0.8* M, '35*N 1 a# &0.8' 49' 8' SA8D54B8# M, '35*N 1 ' # M,[' 35N@ EEEEE # M, '35*N 1 # # M,> '35*N H' ' >

&& # # ' # 858=8""8' 89D' &0.8' 608.0D' .7B0.205' 79' 89' 06.58D0' ') ' <4.2' 205' '6.89D6' 9085' .20C# 0"7<' 46' 8' 50=4G :409.' 73' .2045;7A9.@*

1) 1 :# # & ' ' & # # 8AG 50""0D' 89D' ;085D0D' 208D' 73' &0.8# M 479A0.' ?8"A06' .20' F3' 357C' <24=2' .20' 8;7?0' 46' 09B58?0D ' 8.' > '35*N

4 ' # 8"!86' 6.89D49B* 1 ! * ' ?4 #41# M .# ,> '35# 08=2N* 1 # & !#' - '44# 4905?8' 608.0D# M,[' 35*N 1 8C0' 0:4B58:2* . 7C8A' 89D' .<7' =24"D509* 1 8C0' 0:4B58:2# (7C89' 27"D49B' 35A4.6# M,> '35# 08=2*N 1 # * ! " ' 2 ' =76# M ' <0""# :50605?0D' 6:0=4C09' 73' .246' 705@' 5850' =749' ;57AB2.' $, ' [6# 8.' .20' 27C86' 68"0N* 1 # * ! - ' ! ' &0.8' 9085' 8' .57:2@# M, '35*N 1 * ! ' ! !" !' & ' # ! ! ' (' #8D48.0D' ;A6.' 73' &0.8# M$, ' 27C86N* 1 ' # M .# , ' 35*N 1 # # * # * C:0575' .58C:"49B' 79' 8' =8:.4?0* 1 8C0' 0:4G B58:2# &0.8' 6.89D6' ;03750' #7C0' 608.0D# M .# ,['35# 08=2*N 1 ' # $0!" ' ' 68=5434=48"# B57A:# M 9' 01.50C0"@' <0""# :50605?0D' 6:0=4C09' $, ' , # 27C86' $, ' [6# 5AC0""N* 1 8C0' "0B09D# 8=5434=0* 1 1) 1 & ' " ' # =76# M$,H' 5AC0""N*

!0 * 1 $! ' ! # 3!' 08D6' 73' 0?0G 5A6' 89D' 858=8""8# M .# [[' 35*N 1 ! 0! ' & .' # 08D' 73' 7C98* 1 0' # ' * ' 08D 73' 0?05A6# M [' 35# 08=2N* EEEE # !#' " ' !! 20'.2500' 0C:05756' 608.0D* 1 * ' * ' #7C0' 608.0D' 49' 8'.0C:"0# M '35# 08=2N* * ' 00! / = ! !' # $0!" ' M 00' :#, # .# , ' $ 3/ " " * ! ' !0!.' # C:0575' ;0.<009' 34?0' C4"4.85@' 6.89D85D6# 1) ' # | ' & # # A6.' 73' &0.8# M 47BA2.' $,H' 8.' .20' 8C:898' 68"0N* 1 # ! " ' # 2500' 27560C09' B8"" 7:49B* 1 "7?4' 676E' # # 0C:"0# M ' 6:0=4C09' 375C0D' <4.2' :85.6' 73' .<7' D4..0509.' C0D8"6' 7490D' .7B0.205' 89D' 86646.0D' ;@' .20' B58?05' 67"D' 375' $H' 6# 8.' .20' 8C:898' 8A=.479N*

8!* ' * / " * ! ' && 858=8""8' 89D' &0.8' =57<90D' ;@' .<7' 34BA506# 00 :# > *EEEE " 4' #! *! 1 # !# ' * ' # 2500' 34BA506' 8.' 8' 68=5434=0# M$H' H6# 58..'0N* (4'! ! ' 2500' 27560C09' 54D49B' 8.' 3A"" 6:00D# 75' 89' 01:"898.479' 73' .20' ' .@:0' 600' : :* H, EH, [*

& ' w'5' + ' ' W#' ' ' A6.' 73' &0.8' .20' 208D' ;850' 89D' .20' 627A"D056' ="7.20D' <4.2' .20' + ' 00' <77DE=A.' 8.' .20' 208D' 73' ;47B58:24=8# 97.4=0' :# , * 246' =749' ;08549B' .20' @7A9B06.' :75.584.A50' 73' .20' :549=0' <86' C49.0D' ;0.<009' ' ,a' 89D' 49' <24=2' 49.057?8"' &0.8' .209' 8;7A.' .09' @0856' 7"D' <86' :57="84C0D' r685' ;@' .20' 098.0' 89D' .20' 5C ' ;A.' =79609.0D' .7' 50=04?0

> & # ' # # * & # ' # # *

8'''' 73' 89=409.' D8.0' @0.' D46=7?050D ' ;049B' 0SA8'' .7' , , ' DA=8.6*
20' 37''''7<49B' 46' 89' 0I.58=.' 357C' .20' C89AG 6=54:.' 73' =F20''' 86' :A;"4620D' ;@' .049;f=20''' 50"8.4?0'.7'.2060'.<7' C0D8''''4796 ' .20' 6C8''''05' 73' <24=2' 46' 50:50609.0D' 49' .20' 8;7?0' <77DE=A./1
T' 20'.@:0' 73'.246' 50?0560' 86'4.' 46' 0?4D09."@' ' 97?0'' 790' 89D' 6A=2' 86' .20' 9AC46C8.4=' 674'' 286' 90?05' ;03750' :57DA=0D' 67' 375' ?8547A6' 508G 6796'4.' :50609.6' 60?058'' :85.4=A"856' D0605?49B' 73' 50C85F'' ' 628''''' 97.' B508."@' 055' 49' :5797A9=49B' .28.' ;@'.246'.@:0' 46' 49D4=8.0D' .20' ?464.' 73' 8''096' .7' 67C0' =4.@' 73' 97.0'' 7' =4.0' 790' 7A.' 73' .20' C89@' 496.89=06' =79345C8.75@' 73' .246' 7:49479 ' 79' ' =749' 73' 7CC7DA6 ' 6.5A=F' 49' aHH' ' ' N ' .28.' 0C:0575' 46' 50:50609.0D' C7A9.0D' 79' 8' 27560 ' :57=00D49B' 8.' 8' B09."0' :8=0' .20' 8==7C:89@49B' "0B09D' ' ' 9D ' <28.':749.6' <4.2' 6.4''''' B508.05' =05.849.@' .7' 89' ' 8.' 67C0' :"8=0' 46' .20' 34BA50' 73' .20' B094A6' 73' 8' =4.@' 620<9' .7' ;0' 6A=2' ;@' .20' .A550.0D' 208D' 49' .20' 8=.' 73' C00.49B' .20' 0C:0575' 89D' :8@49B' 24C' 50?0509=0' ;@' 8' 6"4B2.' ;09D49B' 73' .20' ;7D@'' 3' .246' F49D' 73' C00.49B' .2050' 850' 7.205' 0I8C:"06'' 9' 67C0' 4C:0548'' =7496' 6.5A=F' 49' B@:.' 8' 30C8"0' 34BA50' 73' .20' 4 ' $' ' M600' :'' ,>' 73' .246' D4=.47985@N C00.6' 8D5489' 89D' .8F06' 49' 205' 289D' 89D' F46606' .20' 54B2.' 289D' 73' 205' 4C:0548'' ?464.75' 75' .20' 68C0' &094A6' ;08549B' 8' ?0I4''''AC' 89D' =759' 0856' 7496' 54B2.' 289D6' <4.2' .20' 0CG :0575' 79' 246' 8554?8''' 75' 27"D49B' 7A.' 89' 7"4?0' ;589=2' 286.096' .7' C00.' .20' 0C:0575' <27' 8:G :578=206' 49' 8' SA8D54B8* 1 3' C750' :57736' <050' 900D0D' ' C4B2.' 8DD' .28.' 79' 897.205' =749' 73' 8D5489' <4.2' .20' "0B09D' ' '?4' ' ' # ' 0?09' .20' :5064D49B' D04.406' 73' .28.' =4.@' 058:46' 89D' 646' .20C60"?06' 28?0' D04B90D' .7' 2797A5' <4.2' .2045':50609=0' .20' 8D?09.' 73' .20' 0C:0575'' (4.2' 50B85D' .7' .20' .75=2' 49' .20' "03.' 289D' 649=0' 4.' =8997.' ;0' =7964D050D' 86' .20' D46.49G BA46249B' 6@C;7'' 73' 89@' :85.4=A"85' =4.@' 4.6' 8:G :08589=0' 97' D7A;.' 49D4=8.06' 8' =7C:"4C09.' :84D' .7 8"096'' 75' ;@' 9AC057A6' .06.4C7940' 73' 89=409.' <54.056' 89D' 06:0=48''''@' 73' 057D489' <0' 850' 866A50D' .28.' 4.' <86' .20' =A6.7C' .7' ;085' "4B2.6' ;03750' .20' 0C:05756' 86' 8' C85F' 73' .20' 24B206.' 506:0=.' 89D' <0' D09.A50' 8"67' .7' 68@' 86' 8' F49D' 73' 8..54;A.479' 73' D4?494.@'' 479' 8664A6' 46' .20' 3456.' .7' 6A:'"@' 89' 496.89=0' 73' .246' :58=.4=0' <209' 6:08F49B' 73' .20' C7D06.@' 73' '' A50"4A6' 20' 68@6' 73' ;4T4R .28.' <2090?05' 20' 8:G :0850D' 49' :A;"4=' A983.z7C:8940D' ;@' ;46' 38.205' 20' <750' 8'="78F' 73' 8' 67C;50' =7"7A5' 89D' 90?05' <209' 8"790' :05C4..0D' "4B2.6' .7' ;0' =8554 0D' ;03750' 24C'' (0' 28?0' 8' =79345C8.479' 73' .20' .5A.2' 73' 479L6' 6.8.0C09.' 49' .20' 7CC09.8540 6' 73' ' A50"4A6' 24C60"3' <2050' 20' 50C85F6' .28.' 20' 28D' "0859.' 357C' 246' 38.205' .20' :7664;4"4.@' 73' "4?49B' 0?09' 8.' =7A5.' <4.27A.' 8' =57<D' 73' 8..09D89.6' 75' 89' 76.09.8.47A6' D46:"8@' 73' D5066' 75'$) ' 89D' 6.8.A06'' ==75D49B' .7' 057D489' <209' 05.498I' 8.' 8' :054"7A6' A9=.A50' <86' 284"0D' CE' + ' ;@' 8==8C8.479' 89D' C8D0' 246' 8::085G 89=0' 49' J0' 098.0E27A60' 20' 6A33050D' 904.205' "4B2.6' .7' ;0' ;7590' ;03750' 24C' 975' 89@' 7.205' 49G 64B948' 73' 67?0504B9.@' .7' ;0' D46:"8@0D'' 9D' .20' 68C0' 8A.275' 49375C6' A6' .28.' 06==A94A6' 4B05' 79' ;049B' :57="84C0D' ABA6.A6' 49' 7::764.479' .7' 4D4A6' KA"489A6' 4CC0D48.0"@' 8558@0D' 24CG 60"3'm ' .20' :A5:"0' 89D' 8''' .20' 4C:0548'' :858G :20598"48' .28.':7A"D' ;0' :57=A50D' 8.' 6275.' 97.4=0' 89D' <4.2' "4B2.6' :50=0D49B' 24C' ?464.0D' 49' :57G =06647@' .20' .0C:"06' 8.' 9.47=2'' 20' 68C0' D46G .49=.479' <86' 8==75D0D' .7' %A85.49A6' <27C' .20' 6524 948A' 67"D4056' 60.' A:' 49' 7::764.479' .7' 814C49A6' <27' 28D' 49=A550D' .2045' 09C4.@' 79' 8==7A9.' 73' .20' CA5D05' 73' "0189D05' 0?05A6' 89D' 97.' "79B' 83.05<85D6' .20' "4F0'=7C:"4C09.'<86' :84D' 8.' 85.28B0' .7' &75D489A6' 354=89A6'' 75' D4D' .20' ' <4.227"D' .246' 2797A5' 357C' .20

0C:506606*' 20' 68C0' 057D488' 49375C6' A6 '.28.' 7CC7DA6 ' 0?09' 83.05' .20' D08.2' 73' * =5A6 ' 89D' 205' 6A;60SA09.' C85548B0' <4.2' 7CE :0489A6 ' 8' :54?8.0' =4.4\09 ' :50605?0D' .7' 246' 646.05' A=4"48' 8"" .20'4964B948' 73'4C:0548*' D4B94.@ ' 375' 20' :05C4..0D' 205' .7' ?40<' .20' :A;"4=' B8C06' 357C' 89' 4C:0548*' .25790 ' 89D' .7' 28?0' "4B2.6' =85540D' ;03750' 205*' 9D00D ' .28.' *.246' T' 3405@U D46.49=.479' <86' ;@' 385' .20' C76.' 018".0D' 73' .20' 2797A56' :84D' .7' 67?0504B9.@ ' <0' "0859' 8B849' 357C' .20' 6.8.0C09.' 73' 057D489 ' .28.' 7CG C7DA6' =85540D' 246' 4938.A8.0D' 8..8=2C09.' 375' 85=48' .7' 6A=2' 8' "09B.2 ' .28.' 205' :764.479' D43"050D' 49' 97' 506:0=.' 357C' .28.' 73' 8' "0B4.4C8.0' <430 ' 8"" .20' :54?4"0B06' 73' 89' 0C:5066' ;049B' 627<050D' A:79' 205' 01=0:.' .28.' 73' 28?49B' "4B2.6' ;7590' ;03750' 205*' '.249F' .20' 3750B749B' .06.4C79406' 357C' 89=409.' <54.056' 850' 6A334=409.' .7' :57?0' .20' 0146.09=0' 73' .20' =A6.7C' 49' SA06.479*' A.' .2050' 850' C79AC09.6' 8"67' 0C:5066' ;<24=2' =7557;758.0' .2045' 6.8.0C09.6*' 7A9.' 8@"A6' 286' :A;"4620D' 8' C85;"0' 49' ;86E50"403' <24=2' :50609.6' .20' 0C:0575' D0"4?0549B' 89' ' 357C' 8' $$$$ ' @' 246' 4DD0' 6.89D' 67"D4056' <4.2' C4"4.85@' 0964B96' 790' 73' <24=2' 0124;4.6' 8' "4B2.0D' 3450' 3410D' 79' .340' 09D' 73' 8' 6:085' "- ' V' ' 444*' :4*' N' 49.09D0D' D7A;."066' .7' 49D4=8.0' .20' =A6.7C' 73' <24=2' <0' 850' 97<' 6:08F49B*' 27' <86' .20' 754B498.75' 73' .20' :58=.4=0' 75' <28.' .20' =7A9.5@' 357C' <24=2' 4.' <86 3456.' D054?0D' 850' SA06.4796' 8;7A.' <24=2' ' D7' 97.' CA=2' .57A;"0' C@60"3" .' ?05@' "4F0"@' =8C0' 357C' .20' 86.' <2050' 3450' 46' 20"D' 49' 6A=2' :0=A"485' ?09058.479*' 9D' CC489A6' 49' 50=4.49B' .20' =A6.7C6' 73' .20' 056489' C8B4' 68@6' .28.' 8' 6C8"" SA89.4.@' 73' =0"06.48*' 3450' <86' =85540D' ;03750' .20' F49B6' 73' 648' 89D' B09058""@' <0' C8@' 50C84LF' .28.' 89.4SA4.@' <86' 49' .20' 28;4.' 73' =7990=.49B' 0?05@' ;54B2.' 89D' 3405@' 7;0=.' <4..34.6' :549=06' <4.9066' 79' .20' =7496' 73' 0C:05756' .20' 58D48.0D' =57<9' .20' 94C;A6' .20' 0C:0574O6' 89D' 0C:506606' =7CG :850D' <4.2' .20' A9' 89D' .20' 779' =* =* T 6' ' 28?0' 684D' .28.' .20' .@:0' 73' .246' 50?0560' 8""AD06' .7' 67C0' 4C:0548*' ' ' CA6.' 09G D08?7A5' 37' D46=7?05' 67C0' :57;8;"0' =79 0=.A50' ;@' <24=2' .20' 98C0' 73' .20' ?05@' =4.@' C8@' ;0' 0"4=4.0D* @' ;0"403' 46' .28.' 4.' 503056' .7' .20' =4.@' 73' 9.47=2' .20' C76.' 5097<90D' 49' .20' 86.' 89D' <2050' 246.75@' 49375C6' A6' .28.' 8"096' 5064D0D' 375' C89@' @0856' <24"6.' 09B8B0D' 49' .20' <85' <4.2' 8:75' .20' 056489' <2050' .77' 20' ;A4".' ;8.26* 246' 7:49479' 46' =79345C0D' ;@' .20' "0..056' * .20' 494.48"6' 73' 9.47=2* 2050' =89' ;0' 97' D7A;.' .28.' .20' 30C8"0' 34BA50' "@49B' 79' .20' B57A9D' 46' ' 67' 350SA09."@' 7;605?0D' 49' .246' :76.A50' 79' 89=409.' C79AC09.6* ' ' O' ' B@ .20' 7:09' 37"D' 73' .20' .A94=' <4.2' 8:"06' I8:G :08549B' .205049' 89D' ;@' .20' =759A=7:460' 620' ;786.6' 205' 7<9' :0=A"485' B43.6' 89D' 600C6' .7' :57B976.4=8.0' 49=50860D' 8;A9D89=0' 89D' 305.4"4.@' 357C' .20' 8554?8*' 73' .20' 0C:0575*' 75' <86' 6A=2' 27:0' <4.27A.'37A9D8.479' 375' 4.' <86' .7' 8D5489' 6' ?464.' .28.' .20' 354=896' 8..54;A.0D' .20' B58.03A"* 38"" 73' 5849' 83.05' 8' 34?0' @0856O' D57AB2.* 9D00D' 67C0' 73' .20' 89=409.6' ;0"40?0D' .28.' 38.0' 4.60"3' <86' =79.57"" 0D' 75' 010=A.0D' ;@' .20' :7<05' 73' :549=06* 9' .20' 7;?0560' 73' .20' 3456.' D06=54;0D' C0D8"" 479' 8"096 46' .@:4340D' 584649B' 246' 54B2.' 289D' <24=2' <86' .20' =A6.7C85@' B06.A50' 73' 0C:05756' <209' :57="84C49B' :08=0' 89D' .2045' 7<9' 6A:50C8=@*0O ^ A=2' 46' .20' "4B2.' <24=2' <4.2' 246' :0=A"485' .8=.' 89D' 8;4"4.@' .20' 549=0' 73' .20' =409=0' <0' 6.AD@' 83.05' 246' 6@6.0C' 286' .257<9' 79' .20' 6A;0=.' 73' .2060' C790.8*' :57D4B406*' 9' 3A"34""49B' .20' DA.@' <24=2' 28D' D0?7"?0D' .7' 24C' 73' B4?49B' :A;"4=4.@' .7' =F20"L6' C89A6=54:.' * .049;f=20* 8DC4.6' .28.' 97.249B' =89' ;0' C750' ="085' .289' .20') ' 73' .20' 0"A=4D8.479 1 .28.' 4.' 46' .20' 85G 54?8*' 73' .20' 0C:0575 1 .28.' .20' 30C8"0' 34BA50' CA6.' ;0' .20' B094A6' 73' .20' =4.@' 75' 73' .20' :57G ?49=0' <24=2' 50=04?06' 24C' <4.2' 8"" DA0' 6A;G C466479 1 89D' .28.' .20' 6@C;7"4=8* 34BA50' 73' .20' 085.2' ;0"7<' 49D4=8.06' 89' 4C:0548*' 7A590@' 49.7' D46.89.' =7A9.4L406* 8?!9B' .2A6' A92064.8.49B"@' 8D7:.0D' .20' B09058*' ?40<6' 01:50660D' 49' .20' :50G =0D49B' 7;605?8.4796' .049;f=20* :57=00D6' .7' 894C8D?05.' 79' 67C0' :749.6' 73' D0.84"' .20' C089G 49B' 73' <24=2' 46' "066' 8:;8509.' 89D' .20' 85BAG C09.6' 8DDA=0D' 49' 6A:;75.' 73' <24=2' 800' "066' =79G ?49=49B' .7' 24C' .289' .20' 7.205' ;85.6' 73' =FE' 20"L6' 01:"898.479*0 T' 20' <27"0' D4334=A".@' M68@6' .20' "08590D' * ' .$ w ' ' =' * #*N' =79646.6' 49' .20' 30C8"0' 34BA50' ;03750' .20' 0C:0575* =F20"' BA4D0D' ;@' 246.75@' 89D' .20' 01:0D4.479' 73' 8"096' .7' 9.47=2' =7A:"0D' <4.2' .28.' :549=0L6' "79B' 5064D09=0' 49' .20' 54=2' =8:4.8*' 73' @548' 286' .8F09' 4.' 375' .20' &094A6' 73' .28.' =4.@* 46' 05AD4.479' 3A594620D' 24C' <4.2' .20' 01:"898.479' 73' .20' "4B2.0D' .75=2' 2' 20' D054?06' 4.6' 64B9434=8.479' 357C' .20' =A6.7C' <24=2' :50?84"0D' 49' 89=409.' .4C06' 73' =855@49B' .20' 68=50D' .450' ;03750' F49B6' 89D' 0C:05756* ' ' A.' 4.' 46' 900D3A*' .7' 7;605?0' .28.' .246' 3450' <24=2' <86' ;7590' ;03750' :549=06' 46' 97.' :57?0D' .7' 28?0' ;009' 73' "4B2.0D' .75=206' 86' =F"40" 286' 6A:;760D* (0' 850' 79' .20' =79.585@' :056A8D0D' .28.' 79' .2060' 7==864796' :75.8;"0' 8".856' <050' A60D' 6A=2' 86' <0' 600' 8=.A8""@' 50:50609.0D' 49' .20' ;8==2898"489' :57G =0664796' 79' 67C0' 89.4SA0' ;86E50"4036* .' 46' B09058""@' 8""7<0D' .28.' .246' =A6.7C' =8C0' 357C' .20' 86.' 89D' <0' 349D' .2060' 8".856' 0?09' D46G .49=."@' 98C0D' ;@' A5.4A6' "4;* 444* 89D' ;@' +0E' 97:2' @4L7:mD' "4;* 444* =* H* T B849' 4.' 46' 90=06685@' .707;605?0' .28.' 79' 67' C89@' =7496' 89D' 7.205' C79AC09.6' <24=2' 50:50G 609.' .20' 8554?8*' 73' 0C:05756' 49' D4330509.' :57G ?49=06' 89D' =4.406' <0' 49' 97' 496.89=0' 349D' 89' 8""A6479' .7' .20' A68B0' 49' SA06.479' .28.' 46' .7' 68@' 73' =89D@49B' .20' 68=50D' 3450' 75' 86' =F20"' 68@6' "4B2.0D' .75=206' ;03750' .20C* 3' 67C0.4C06' <0' 349D' 79' .2060' =7496' 89' 8".85' :"8=0D' 49' .20' =09.50' ;0.<009' .20' 34BA50' 73' .20' 0C:0575' 89D' .28.' 73' .20' :57?49=0' 4.' 46' 0?4D09."@' .7' 49D4=8.0' .289F6G B4?49B6' 509D050D' .7' .20' B7D6' 375' .20' 28:;49066' <24=2' .20' :50609=0' 73' .20' 0C:0575' 28D' 83375D0D' .20C* 9' C76.' 73' .2060' 50?05606' .20' ?4=.4C' .2050' 6009' 733050D' 79' .20' 7==86479' 46' 8' ;A"" 01G .09D0D' 79' .20' B57A9D' 49' 6A=2' 8' <8@' 86' .7' "08D' .7' .20' =79="A6479' .28.' .20' 89=409.6' D4D' 97.' 0C:"7@' .20' 6@C;7"' 73' .20' "4B2.0D' .75=2' .7' 50G :50609.' .20' 8554?8*' 73' 0C:05756* (2@' .209' 627A"D' 4.' 28?0' ;009' 8D7:.0D' 79' .2060' C0D8"6' 73' 9.47=2' z

> & # ' # # *

V' 20'.75=2 ' <4.27A.' 89@ 5030509=0'.7'.20' 8=.479' 73'.20' 0C:0575 ' 600C6'.7' A6' 8' D46.49=.4?0' 89D' =2858=.0546.4=' C85F' 73'.20' 30C8"0' 34BA50# A5' 508679' 375' ;0"40?49B' 4.' 46'.246/1 9'.20' '

+ ' <24=2'.20' C:0575'73' A6.548'=8A60D' .7' ;0' :A5=2860D' 375'.20' C:0548"# A60AC' 8.' 40998 1 ^89' 8=SA464.479' C8D0' 6A;60SA09."@'.7' 0F20"L6' D08.2Q 1 .2050' 46' 8' 6C8"" &500F' =749' 49' ;5866' <24=2' 0I24;4.6' 79'.20' 7;?0560' .20';A6.' 73'.20' A9 ' <4.2' 58D48.0D' =57<9 ' 89D' 8'.75=2 ' 79'.20' 50?0560' .20';A6.' 73' 4898 ' <4.2'.20' 0506=09.' 89D' "4F0<460' 8' "4B2.0D'.75=2# (28.' =796.4.A.0'.20' C054.' 73'.246' "4.."0' C79AC09.' 850'.20' 49G 6=54:.4796' 7+4N 89D' > > ' .28.' 46'.7' 68@' 86.' 89D' (06.# 50' <0'.7' 6A:.760' .28.' .2060' .@:06' 50:50609.' .7' A6' 79"@'.20' .<7' 6.856' 73' D8@' 8AD' 73' 94B2.z' (4.27A.' 09.0549B' 49.7' D0.84"# 506:0=.49B' .20' .4C06' 73' # A50"4A6' .7' <2760' 504B9' .20' =749' ;0"79B6' 4.' 46' 90?05.20"066' =05G .849' .28.' .20' 64B94208.479' 73' 4.' <4"" :57?0' 8".7B0.205' 6@C;7"4=8"# 2050' 46' 97' D7A;.' ;A.' .28.'.2060' 68C0' 34BA506' 73'.20' 6A9' 89D' C779' 28?0' 8"508D@' ;009' C8D0' A60' 73' 79'.20'.54AC:28"# 8502' 73' 796.89.490'.20' &508.' 8.' #7C0' 375'.20':A5G :760' 73' 49D4=8.49B'.20'.<7' B508.' D4?464796' 73' 7A5' <75"D' "1 ' ' 1 -' 86.' 89D' (06.# 7<' .20' 6:454.' 73' 296.4894.@' 97' "79B05':05G C4..0D' 4.' A9D05' 8"096' .7' 8?8 ' 4.60"3' .77' 384.2E' 34D"@' 73' :8B89' 6@C;7"6# 246' 8==7A9.6' 375' 7A5' 97' "79B05' 60049B'.20' =506=09.' 79'.20' 3750208D' 73' .20' <7C89' 79' 7A5' C0D8""479 ' ;A.' <0' 28?0'.2050' .20'.75=2' 89D'.20'.A550.0D' =57<9'.7' 50:"8=0'.20C# 2050' 46' 97.249B ' .20503750 ' 7:::760D'.7' 7A5' 50G =7B94649B'.20' 4C8B0' 73'.20' (06.' 49'.246' 34BA50 ' <24=2' 600C6'.7' 09.05' 49.7'.20' :50609=0' 73'.20' 0C:0575 ' 89D'.7' 50=04?0' 24C# 9'.28.' =860' 4.' <744"D' ;0'.20' B589D' 0I:0D4.479' 8B849..' .20' &7.26' <24=2' <86' C089.' .7' ;0' :749.0D'.7 1 89' 0I:0G D4.479' <209=0' 8' ?05@' D4330509.' 466A0' <86' 866A5G 0D"@' 27:0D' 375'.28A' 8' D0308.' D06.490D' .7' =76.' 8"096' ;7.2'.25790' 89D' "430*

T' A.' 4.' <4"" ;0' 684D' .28.' 86' 79'.20' =7496' 73' 8"0548976' 89D' &8 409A6' <4.2' F ' 1 ' M 89DA54' 4# , , ' 89D' ,> N' .20' 86.' 46' 50:50609.0D' ;@' 8' 64C4"85' 34BA50' 73' 8' <7C89' <4.2' .20' 68C0' 58D48.0D' =57<9' 8".27AB2' <4.27A.' .75=2' <2@' 627A"D' 620' 97.' ;0'.20' 86.' 79'.20' C0D8""4796' 73' 8"096' =7C49B'.7' C00.' 24C' :9D' <2@' 627A"D' 97.' .2060' C0D8""4796' 28?0' 8=.A8""@' ;009' 6.4EA=F' 375' 246' 7A590@' 49.7' @548' 89D' 375'.20' 0I:0D4.479' <24=2' 20' <86' =79.0C:"8.49B' 8B8496.' .20' 0564896' z' 7' 6:08F' 3589F"@' M=79="AD06' # .04A;44=20"N' <0' 28?0' 97.249B'.7' 7:::760'.7' 6A=2' 89' 86605.479 ' :57?4D0D'.28.'.20' 30C8"0' 34BA50' 50G C8496'.20' 6@C;7"4=8"# 34BA50' 73'.20' 86.' 89D' 97.'.28.' 73'.20' =4.@' 73' 9.47=2' 89D'.28.'.20' .75=2' ;0'.209' 8'$) ' ' '.20' B508.' .A.0"85@' 73'.20' 86.' 89D' 97.' 89' 49D4=8.479' 73' =050C79406' 375'.20' 09.4@' 73'.20' 0C:0575' 49.7' 9.47=2*U 1 00' ' ' ' = ' ' ' :# >>' 0.' 60S* ' ' 1 ' ' = ' ' ' :# >>' 0.' 60S*

^ 050'.209'.20'7:494796' 73'.< ' 6A=2' 24B2' 8AG .2754.406' 86'.2760' 8;7?0' SA7.0D' 850' :"8=0D' 49' AI.8E:764.479 ' 86' <0"" <2050'.20@' =793"4=.' 86' <2050'.20@' 8B500' <4.2' 08=2' 7.205 ' 79' 8' C8..05' 73' C750'.289' 75D4985@' 9AC46C8.4=' 49.0506.* 1 ' 9' 28?49B' D790' 67 ' .20' =7C:4"05' B5ADB06' 97.' .20

& # ' *

6:8=0'.2A6' 7==A:40D' 49' 246' :8B06 ' ;A.' 20' "08?06' .20' 506:0=.4?0' :749.6 ' 79' <24=2' 8' .049;f=20"# 89D' 89' 0F20"" D4330S' 89D' =749=4D0 ' .7'.20' 508D05L6' =7964D058.479' 89D' ADBC09.0*

& # ' # # *1 #7C0' 608.0D' :7"D49B' 8' ' 49'.20' 54B2.' 289D' 89D' 506.49B' "03.' 289D' 79'.20' 286.8# 9'.20' 0I05BA0' / ' 1) ' <4.27A.' "0B09D# 08D' "77F49B' A:<85D6' D48D0C' <4.2' :085"6 ' =# M600' :# H>>N# &7"D' C0D8""479' 73' 796.89.490'.20' &508.# 4\0' * ^ 9' A9:A;"4620D' 6:0=4C09' 49'.20' 24B206.' :50G 605?8.479 ' ;57AB2.' $, ' 8.'.20' 8;8.405' 68"0' 09G B58?0D' 49' :4# 44# 7# H' 8990I0D'.7'.20' =8.8"7BA0' "7.' [H>0*

& # ' # # # 056794340D' #7C0' 608.0D* 1 9'.20' 0I05BA0' 1 1) 1 .# 4?.# =7 4?6 % ! ' =# A6.' D48D0C0D' <4.2' :085"6 ' 89D' <08549B'.20' :8"AD8C0A.AC# &7"D' C0D8""479' 73' 796.89.496' ,,# 64\0' * ^ ' 3490'6:0=4C09 ' ;57AB2.' $a' 8.'.20' 68"0' 73'.20' 8;8.405' =7""0=.479 '.20' =8.8"7BA0' 73' <24=2' =79.8496' 89' 09B58?49B' 73' 4.' 49' :4# 44# 7# ' "7.' [H 0*

& # ' ' # ' # M 60685AC\N# ' ' $' ' ' ' ' ' 3' $' ' 1 20' 0C:0575 ' 98F0D'.7'.20' <846.' 608.0D' 79' 8' =A45866 ' 8AD' 506.49B' 246' "03.' 289D' 79' 8' "79B' 6=0:.50# 9' 3579.' 73' 24C' 6.89D6' 8' @7A9B' <855475 ' <08549B'.20' + ' 20' ;0856' 8'.57:2@' 79' 246' "03.' 627A"D05 ' 89D' <4.2' 246' 54B2.' 289D' 733056' 8' B"7;0' 6A5C7A9.0D' ;@' + ' .7'.20' 0C:0575# .' 246' 300.' 46' 8' :89.205# 9' .20' 0I05BA0 ' # #" "# ' 6 1 6.5A=F' 8.' #7C0*N

45* 1 ' i ' E 4 ' A6.' 73' 7A6.89.490'.20' &508.' <085G 49B'.20' :8"AD8C=9.AC ' 89D' 8' D48D0C' 7598C09.0D' <4.2' :50=47A6' 6.7906' 89D' "8A50" "08?06# M 00' .246' :75.584.' 09B58?0D' 49' :# >[*N

84""89.' 49' 246' 60540' 73' ;5866' C0D8""4796' " ++ ' 6 ' ' 444# >H N' 286' B4?09' ' :549.' 73' .246' 3490' 246.754=8" C79AC09.# A79857..4' 8"67' " ' ' ' :# Ha N' 286' 09B58?0D' 4.' 89D' C7507?05' C8D0' 4.'.20' 6A;0=.' 73' 8' "08590D' =7CG C09.85@' <4.27A.' 27<0?05' 5067"?49B' 8"" .20' D4334=A".406'.7' <24=2'.20' 50?0560' 286' B4?09' 5460# 0F20" C8F06' 97' C09.479' 73' 4.# 75' 49D00D' 286' 84""89.' =79.54;A.0D' 89@.249B'.7' 4.6' 0"A=4D8.479' ;A.' 20' 8.' 79=0' :5797A9=06' 546:A6'.7' ;0' 50:50G 609.0D' 49'.20' 34BA50' 73'.20' <855475*

<86' A9D05' .20' 8D7: .479' 73' .246' 6@6.0C ' .28.' 73' ,' .7' 8279.' , ' <209' B7"D' <86' 375' .20' 3456.' .4C0' 0C : "7@0D' 49' =74949B' ;@' .20' #7C896*

.' .246' 0 : 7=2 ' B7"D' 0I46.0D' 79"@' 49' 8' 6C8"" SA89.4.@# .' ;0=8C0' ;@' D0B5006' "066' 5850# .' 286' ;009' 67AB2.' .7' 34I' .20' D4?056' m586' .7' <24=2' .20' 50"8.479' 73' .246' C0.8"# <4.2' 64"?05' <86' : 57B5066 64?0"@' 50DA=0D# 20' D0.84"6' 79' .246' 6A; 0=.' <7A"D' ;0' .77' 9AC057A6' 375' A6' .7' 09.05' 49.7' .20C# .' CA6.' 6A334=0' 2050' .7' : 749.' 7A.' <28.' 46' .20' 7 : 4G 9479' C76.' B09058""@' 09.05.8490D' 79' .246' : 749.# (0' 6A; 749' .20503750' .20' 49D4=8.479' 73' .2060' : 57 : 75.4796' 8==75D49B' .7' .20' C76.' A94?0568""@' 8D7 : .0D' 6@6.0C' / 1

,# 57C' .20' ?085' 73' #7C0' ' 9$ "
> N' .7' ['M #=# , aHN**********' ,' .7' , 3
>#' 57C' .20' 8; 7?0' 0 : 7=2' .7' .20' ?085
> ' 9$ " ', HN**********' ,' . 7 3
H#' 57C' .28.' 0 : 7=2' .7' H['9$ " ', N' ,' .7' ,H
#' 57C' .28.' 0 : 7=2' .7' ['9$ " ', HN' ,' .7' ,>i
[#' 57C' .28.' 0 : 7=2' .7' , '9$ " 'H N' ,' .7' ,, i
#' 57C' .28.' 0 : 7=2' .7' '9 ', N' ,' .7' """3 3
#' 57C' .28.' 0 : 7=2' .7' >,' 9 ' ' N'
?4\# 357C' .20' D08.2' 73' ABA6.A6' .7
.20' "86.' @0856' 73' 057' **********' o

^T ' 5030509=0' .7' .20' 6=8"06' M68@6' =F2="N' : 57?06' .20' .5A.2' 73' "49@L6' 6.8.0C09.' .28.' .20' 0C : 05756' B58DA8""@' D4C494620D' .20' <04B2.' 73' .20' ' >' H' 89D' ' 8A504' ; 049B' 97<' 6.5A=F' .7' .20' : 7A9D*UQ
57C' >,' ' ' N' 0 'a ' '
>, N' ?4\# 357C' .20' "86.' @0856' 73'
057' .7' .20' "86.' 73' 858=8""8' ['
8A504' .7' .20' : 7A9D' 08=2' <04B249B
,H * ' B58496**********' ,' .7' ,>

^T' 20' =7496' .20C60"?06' M68@6' =F20"N' 6057?0 .7' =79345C' .246' 5A"0' ' 97. ' 27<0?05' <4.27A.' 0I6 =0 : .4796# 75' .20' =7496O73' 7C4.489' 05?8' 89D' 58 89' M49' .20' 3456.' .<7' @0856' 73' 246' 504B9N' <04B2' , ' B58496' 89D' C750' ' A:' .7' , [# 57C' .20' : 0547D' <209' ['<050' 6.5A=F' .7' .20' : 7A9D' a ' D098544' <050' 6.5A=F' .7' .20' : 7A9D' 73' 64"?05# 3' .20503750' [' ;0' CA".4 : "4t' ;@' >['M.20' AC ; 05' 73' D098544' OSA4?8"09.' .7' 790' 7' .20' 506A".' <4"" ;0' , , >[' 89D' .246' D4?4D0D' ;@' a ' <4"" B4?0' 8' SA7.409.' , ,' .20' : 57 : 75.479' 73' B7"D' .7' 64"?05' 4# 0# 9085"@' , ' .7' , >*UQ 1 . ' ' ' # HH*

246' 6=8"0' 73' ?8548.4796' 49' .20' : 57 : 75.479' 73' B7"D' .7' 64"?05' 46' 620<9' ;@' =F20"' .7' ;0' 385' 357C' =05.849# 0'=79.09D6' .28.' .20' D7=.5490' 73' 85.2tG "0C@' 89D' 8A\0' <24=2' 503056' .7' .20' .2500' 0I24 ; 4.49B' .20' 854.2C0.4=8"# C85F6' o6 ' 6666 ' 89D' +++' 46' 8.' 79=0' 503A.0D' 43' .28.' 20' .5A0' <24=2' 46' 97<' 6A : : 760D' ;@' .20' C8 754.@' 73' <54.056' ?4\# .28.' .2760' =0"0 ; 58.0D' =C96' <24=2' 605?0D' 86' .20' ; 8646' 73' 85.20"0C@L6' =8"=A"8.4796' 850' 97.' .7' ;0' 50=F790D' 86' ;0"79B49B' .7' .20' #7C89' C49.' ' ; A.' 850' 58.205' .7' ;0' 50B85D0D' 86' .20' : 57DA=.4796' 73' 8B98' &5r=48' 75' 4=4"@# 9' 7.205' 506 : 0=.6' 20' 8"67' D433056' 357C' 246' "0859 0D' =79.0C : 7585406' 8 ; 7?0E98C0D' <2760' =8"=A"8.4796' 79' .246' C8..05' 20' =54.4=4606' <4.2' B508.' 3500D7C' 89D' 8.' =7964D056G 8 ; "0' "09B.2' : 5797A9=49B' .20C' 97.' .7' 28?0' ; 009' 06.8 ; "4620D' 49' 8' =" 085' 89D' 8A.209.4=' C89905' 89D' ?40<49B' .20' 0I : 054C09.6' C8D0' 79' .20' =7496

.20C60"?06' 86' 28?49B' ;009' 904.205' 6A334=409."@' 9AC057A6' 975' 6A334=409."@' 0I8=.*

9' .20' 7.205' 289D' 67C0' : 8668B06' 73' 89=409.' <54.056' M 4?@' ,# H '=# , , 1 A=.79# K*' =0685' =# [N' : 749.' .7' D8.8' 73' 8' D4330509.' F49D# .' <7A"D' 600C' 8==75D49B' .7' .2760' : 8668B06' .28.' .20' : 57 : 75G .479' 49' SA06.479' <7A"D' 28?0' ; 009' 8.' 3456.' .28.' 73' ,' .7' , [' 83.05<85D6' ,' .7' , ' ', .7' a ' 89D' 0?09' "066# .' 46' 7 ; ?47A6' .209' .28.' .2060' 4C : 75.89.' : 749.6' 28?0' 97.' @0.' ; 009' ="0850D' A:' 49' 8' 68.46G 38=.75@' C89905# 57C' .20' 504B9' 73' # 0?05A6' .20' D4675D05' <24=2' 28D' 49.57DA=0D' 4.60"3' 49.7' .20' =7498B0' <4.2' 50B85D' .7' 6.89D85D6' 509D056' .20' 4D086' 50"8.4?0' .7' .20' =7990=.479' 73' B7"D' <4.2' 64"?05' 6.4""# C750' 7 ; 6=A50' 89D' C750' 49.54=8.0' 89D' 8"C76.' B706' .7' 60.' 8.' D03489=0' 89@' 3A5.205' 09D08?7A5' .7' 06.8 ; "462' 5086798 ; "0' 6A : : 764.4796*E' 9' .20' .4C06' 73' .20' "7<05' 0C : 450' .246' 7 ; 6=A54.@' 46' 6.4"" B508.05*

.' .20' 0 : 7=2' 73' =7CC09=49B' 8' B7"D' C49.' 8.' #7C0' .205O' <050' 86' <0' 28?0' 6009' .<7' 0330=.4?0' B7"D' =7496' 49.57DA=0D' ?4\# 8' B7"D' D09854A6' M<75.2' >[' 64"?05' D098544N' 89D' 8' SA49854A6' 73' B7"D' M<75.2' 28"3' .20' B7"D' D09854A6N' .20' B7"D' D09854A6' <86' 8"67' =8""0D' 89' 9' .20' .245D' =09.A5@' 73' .20' 2546.489' 058' .246' C790@' .77F' .20' 98C0' 73' 9D05' .20' "7<05' 0C : 450' .20' <04B2.6' 89D' D4C0964796' 73' .2060' =7496' ?8540D' B508."@' 49' =7960SA09=0' 73' .20' D4675D05' <24=2' .209' : 50?84"0D*

U .<H 7' 4 ! & ' %' (i ' ' ' ' & ' ?' ' ' '
' MOI' "0B0' 75D498543N' Z' 246' 6A; 0=.' 46' D46=A660D' ;@' =F20"# M?7"# : :# H E >N' 49' 8' <8@' 67' <0 ' =8"=A"8.0D' .7' 86646.' 49' 506=A49B' 357C' 7 ; 6=A54.@' 89D' 0?09' .7' 509D05' B09058""@' 49G .0506.49B' .28.' 50=79D4.0' ; A.' 6.4"" ' 357C' 246.754G =8" 8667=48.4796' 4C : 75.89.' ; 589=2' 73' C790.85@' 506085=2 1 .20' 754B49' 89' : 57B506 73' 8' B7"D' =A5509=@' 49' 500' #7C00 1.28.' 7C4..49B' .2760' : 056798# 8""A64796' <4.2' <24=2' 246' 894C8D?0564796' 79' .20' C849' SA06.479' 850' C4I0D' A:' 49' =79.57G ?056@' ; @' 7A5' B508.' : 50=0 : .75' 89D' BA4D0' <0' 628"" 97.' ;0' : 50?09.0D' C050"@' 79' 8==7A9.' 73' .20' 0I.09.' .7' <24=2' .20@' 5A9' 357C' 49605.49B' .20' : 549=4 : 8# : 8668B06' 73' 67' 3490' 8' D46 : "8@' 73' "08590D' 506085=2' 89D' 8=A.0' 85BAC03.8.479# 20@' 850' .7' .20' 37""7<49B' 0330=./ 1

20' 50C85F8 ; "0' : 8A=4.@' 73' =7496' 6.5A=F' 49' B7"D' DA549B' .20' 50 : A ; "4=' 605?06' .7' 6ABB06.' D7A ; .6# 9D' .7' 509D05' .20' 38=.' C750' 0?4D09.' =F20"# 286' ; 57AB2.' .7B0.205' 8.' 790' ?40<' .2760' ?==06' <24=2' 850' 8..54 ; A.0D' .7' .20' .4C0' 73' .20' =C' <08".2' D7<9' .7' .20' B7?059C09.' 73' KA"4A6' .4=885# 3' .2060' .2050' 850' .<7' F49D6' ?4*X1

! 1 2760' <24=2' ; 0"79B' .7' : 7=2' #' M[' .7' [N' 496=54 ; 0D' <4.2' 79"@' .20' <75D' $ " '89D' ; 08549B' =05.849' 854.2C0.4=' C85F6' M600' :# > N' .20' .@ : 0' ; 049B' 8' 208D' 73' 856# 9D' 8"67' .2760' <24=2' ; 0"79B' .7' : 7=2' #' M[' .7' > N' 8"67' <4.2' .20' 67"0' 496=54 : .479' $ ' ' .20' .@ : 06' ; 049B 1 208D' 73' K89A6' 67"D4056' .7A=249B' 8' 67<' <4.2' .2045' 6 : 0856' 89D' .20' 476=A54*

F 1 2760' 496=54 ; 0D' <4.2' .20' 98C0' 73' 8' 38C4"@ 1 ' ' 7590"4A6' "8647' # 05?4"4A6' 05?8' 95496' 24"A6' 89D' 9# 09.9"96' <24=2' 850' 684D' .7' 28?0' ; 009' 6.5A=F' ; 0.<009' .20' @0856

H & ' & *

& ' & *

['89D' [# 3.05' .28.' .4C0' .4"'" .20' 504B9' 73' KA"4A6' 60685' .20' 37""7<49B/1 "# "7D4A6' AC794A6' 55486' 06.4A6' 0.0 A6' A""8' 89D' A34A6' 8"0996*

20' 8;7?0' 46' .20' 09.450' "46.' 73' B7"D' ' =7496' 24.205.7' D46=7?050D# 75' 46' 0?09' .246' :05G 30=.'/375'357C'4.' CA6.';0' .8F09'.<7' 98C0"@' .20' 3456.' =4.0D' 86'496=54;0D'<4.2'.20'<75D' 3 '79"@' 89D' <24=2' C750' =7550=."@' 850'.7' ;0' 86=54;0D'.7' 8' 37504B9' C49.' 86' 6.8.0D'49' 0=.479' # 79'.246'69;E 0=.'73'.20' &7"D' 7498B0# "67' & '.20' D8.0' 73' <24=2' 627A"D';0'34"0D'8.'.20'.4C0'73'KA"496' 60685' 75'.20' 54AC?456' 375'.28.'<2=2' 8A\0' 866AB96' .7'.20C'46' 73.09'85;4.585@'89D'37A9D0D'C050"@'79' =79 0=.A50# 3'.209' 8"" 060';0' D0DA=.0D'357C' .20' 6=89.@' 9AC;05' 73' B7"D' ' =7496' 6=85=0"@'8'.09.2'.85.'<4"" 50C849' 73' A=2'86';@' A94?0568"# =79609.'850'8..54;A.0D'.7'.20'8B0'73'.20' =7CC79<08".2# 49=0'.20503750' B7"D' =7496' 73' .246' ="866' M8=F97<"0DB0D'.7'28?0';009'=05.849"@' 6.5A=F'357C'.20'@0856' ['.7'.20'504B9'73' KA"4A6' 60685N' 850'67'5850' =89'.2060'38C462'89@'?8"4D' 85BAC09.' .28.' B7"D' =7496' <050' 6.5A=F' A9D05' .20' =796A"6' ;@'.20'"8<'75D49854"@'49'375=0" ' _%' 20' :749.' C4B2.' 508D4"@';0' =79G =0D0D' 43'8;A9D89.'6:0=4C096'<050'01.89.'73'.20' 30<' =7496' 73'.246' ="866' 86'46'.20' =860'49'.20' 64"?05' =7498B0' ' ;A.'.20'38=.'46' .28.'8' .20'B7"D' =7496' :57:05"@' 8664B90D'.7'.20'.4C06'73'.20' =79G 6A"6' 850'04.205'01=00D49B"@' 5850' 75'A94SA0' 8' :8A=4.@' <24=2' 67' "4.."0' 38?7A56' .20' 97.479' 73' .2045';049B' 50BA"8.0D';@'.;0' 68C0' "8<6' 86'.20' 75D4985@' =7498B0' 06:0=48""@' A9D05' 67' ?86.' 89' 0C:450' .28.'4.' <7A"D' 600C' 58.205' .7';0'.7.8""@' 8.' ?85489=0'<4.2'4.*U

20' SA06.479' .209' 86'.7'<20.205'.2050'<86' 97' B7"D' 6.58=F' A9D05' .20' 7CC79<08".2';@' 89@' 34I0D' "8<'2' .20' 8A.275' 73' . 'C00.6';@' D0C89D49B 4.28.' 8' :57;8;"0' 508679';0' 3456.' 8DG DA=0D' <2@' DA549B' .20' B"7547A6' :0547D' 73' 8' C4B2.@' 0C:450' 01.09D49B' 7?05' 67' "79B' 6' .4C0' 6=85=0"@' 0?09' 8' 30<' 627A"D' 28?0';009' "03.'.7' 96' z T .'<4"" ;0'=79 0=.A50D'.28.'.20@' 28?0':054620D' .257AB2' .20' 49 A5406' 73' 4C0# A.'<2@' 627A"D' 4C0' 28?0' D450=.0D' 246'<58.2' 67' 6:0=48""@' 8B8496.' .246' 6:0=406' 73'=7496'<209' 20' 286';009' 67' "09409.' .7'.20' B7"D' =7496' 73' 24"4:' # 73' 8=0Dd9' <24=2':50=0D0D';@',['@0856'.20'8""0B0D'D8.' 73' .20' 49.57DA=.479' 73' 8' B7"D' =7498B0' 49.7' '7C0 1' 89D' 8B849'.2760' 73' "0I89D05'.20' &508.' 89D' @64E' C8=2A6 1.28.'.20@' 28?0' 97.' 0?09' @0.' =0860D'.7' 8997@' 96';@'.2045' 8;A9D89=0' 89D'<75.2"0669066' z A.'.7'.866' 7?05'.2060' C750' 4C:75.89.' F49BD7C6' .2050' 6.4"" 50C849' 9AC057A6' B7"D' =7496' 73' @58G =A60' 8509.AC' 89D'.20' 50C7.0' @5090' 8"" 6.5A=F' "79B' :5475'.7'.20':0547D' 73'.20' ' 49' #7C0' 89D' @0.' 27<' 4964B9434=89.' .20' .0554G .75@' 73' '.2060' 6.8.06'.7B0.205' =7C:850D' <4.2' .20' #7DB9' C:450X 9D' 67' 375677.2' .20' B7"D' =7496' 73' K9"4.A' 60685' 01.76' 7C:0496' 5A.A6' 8664A6' .20' 54AC?456' 8""=7A"D' 06=8:0'D06.C0E' .479' 2A.' .2760' <24=2' 4CC0D48.0"@' :50=0D0D' .20C'=7A"D'97.';' (28.' C750' 5086798;"0' 75' 8:G :57:548.0' A9=.A50' =7A"D' .2050' 28?0' ;009' 375' 6.54F49B' B7"D' =7496' .289' <209' # =4:47' 83.05' 20' =79SA050D' 9.47=2A6' .20' &508.' 75' 9# 7CE' :0@' ?4=.7547A6' 7?05' 4.254D8.06' 89D' 4B58906

:7A50D' 49.7' #7C0' .20' .5086A506' 73' 8' 648z' 1 A.' 64"?05' =7496' 73' ;7.2' .2760' 49D4?4DA8"6' 850' 01.89.' 49' 8;A9D89=0' <24"0' 73' B7"D' 97.' 790' 286' ;009' D46=7?050D# 3'89@' 790' 46' 49="490D' .7' <79D05'.28.'49'8'=4.@'73'6A=2':7<05'89D'=08".2' 86' #7C0' B7"D' <86' 97.' 0C:"7@0D' 49' 4.6' =7498B0' "0.' 24C' 01.09D' 246' 6A5:5460' .7' .20' 38=.' .28.' 67' 385' 86' 7A5' :50609.' F97<"0DB0' B706' .20' 68C0' =A6.7C' :50?84"0D' 8C79B' .20' .2094896' <2760' :7<05' 89D' 5067A5=06' 850' <0"" F97<9' ;A.' 73' <27C' 97.' 8'649B"0' B7"D' =749'286' @0.' ;009' 37A9D' 89D' .28.'4.' :50?84"6' 8.' .20' :50609.' D8@' 49' .20' :7<053A"' C:450' 73'.20' 24906*

(4.2'50B85D'.7'.20'6.8.0C09.'73' "49@' =F20"# 86F6' T'43'.246'4""A6.547A6' <54.05' 28D';06.7<0D' 67' CA=2':8496'79'D0.05C4949B'.20'D8.0'73'.20'49G .57DA=.479'73'8'B7"D'=7498B0'49.7'#7C0'<2@'D4D' 20'8;6.849'49'.20'B7"D'=7496'8"790'357C'97.4=49B' .20'.@:06';@'<24=2'.20@'<050'D46.49BA4620D'75' .2045'D4?4647'49.7':85.6'89D'.20'98C06'73'.(60' :85.6'<209'20'286'97.'384"0D'.7'D06=54;0'8"" .2060':85.4=A"856'49'.20'64"?05'89D';5866'=749G 8B0'z 7<'46'4.'.28.'4?@'<27'67' "0859OD"@' 50=75D0D'.20'3456.'6.54F49B'73'64 505'8.'#7C0'D4D' 97.'49.57DA=0'.20'6"4B2.06.'8""A6479'.7'6.8C:0D' B7"D'<209'20'8554?0D'8.'28.':0547D'73'246' 246.75@'<209'8==75D49B'.7' "49@'8'B7"D'=749G 8B0'<86'49.57DA=0D'z (2@'D4D'97'790'73'.20' 89=409.'<54.056'<24"6.'98558.49B'.20'0?09.6'73' .28.'8B0'C8F0'C09.479'73'#7C89'B7"D'C790@' 27AB2'0?09'43'89@'.06.4C79@'375'4.'0146.0D'4.' <7A"D':57?0'97.249B'C750'.289'.28.'.20'8A.275' C4B2.'28?0'6:7F09')3' + '89D'.27AB2.' 79"@'73'89'0SA4?8"09.'?8"A0' 1 9D00D'8==75D49B' .7'.20'8==7A9.6'73'89=409.'<54.056'89D'06:0=48""@' 73' 4?@'.20'24B206.'8A.2754.@'73'8""79'.246' 6A;0=.'4.'8:0856'.28.';03750'.20'058'6.8.0D';@' "49@'75'# A"=#['.20'#7C896'49'C8F49B' :8@C09.6'A60D'B7"D @'<04B2.'496.08D'73';@'.20' 9AC;05'73' :40=06 1 M4# 0# & ' ' $' ' %' ?05@'790'46'8<850'27<'.20@'50G D00C0D'.20' 8:4.7"357C'.20'&8A"6'?4\#;@'B7"D' <04B20D'7A.# 9'.20'@085'A"=#['M8"=#>,N' <209' 8994;8"<86':506649B'.20C'285D'89D' 20'.5086A5@'<86';89F5A:.'<57AB2.'B7"D'<86' "4;058""@';57AB2.'375<85D';@'.20'6098.756'.7'D0G 358@'.20'01:09606'73'.20'<85# 9'.20'37""7<49B' @085'A"=#[['<209'.20'<89.'73'C790@'<86' 6.4"" C750'28586649B'64.'<86'D0.05C490D'.7'8:G :57:548.0'.20' ' ')3' ' $' & 0 ' + ' " ' %' <24=2'<86' 50605?0D'375'0C05B09=406'49'8'C750'68=50D'.508G 6A5@*L' 28.'.20503750'<24=2'6A::"40D'.20:hA=0' $' 3'<7A"D'?05@'98.A58""@';0'=8""0D' 3' 0?09'6A;60SA09."@'.7'.20':0547D'8.'<24=2'"49@' 286'34I0D'.20'49.57DA=.479'73' 'B7"D'49.7' #7C0# Y

T' 86."@'4.'C8@';0'49SA450D'<2@'<0'28?0'97.' 8'649B"0'B7"D' ' '=749'506.750D';@' 58' B7"D'=7496'50G <209'<0':766066'60?058# + 'B7"D'=7496'50G 6.750D';@'.28.' C:0575'<27'<86'49'.20'28;4.' 73'8D20549B'97.'C050"@'.7'.20'.@:06';A.'.7'.20' C0.8"#8"67'73'246'506.4.A.4796# 57C'.246'38=.'8' 6A6:4=479'854606'.28.'8.'.20'67C0'.4C0'.28.'C89@' 7.205':54?4"0B0'<050'=7930550D'79'KA"486' 60685' .2050'<86'B589.0D'.7'24C'8"67'.28.'73'6.54F49B' B7"D'=7496'49'.20'75D4985@'=7A560'73'.249B#6"

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0975C7A6 8 6AC <86 ."4A6 .589630550D .7 .20 .5086A5@7 #7C0 ;@ .20 58 :490 73 <85 86 6.8.0D ;@ 4?@ 8"790 89D .28. 49 8 :85. 73 246 <54.G 49B6 <50.=20D"@ CA.4"8.0D ; <28. CA6. 28?0 ;009 .20 8C7A9.0 ; :54?8.0 6 :0=A"8.479 89D ;@ .20 =7CC05=48"4 49.05=7A560 ;0.<009 .20 #7G C896 89D .20 &500F6 z (28. 28?0 8D<9=0D 506 :0=.49B .246 0C :"7@C09. 73 37504B9 C790@4 9 #7C0 "0=04?06 50C85F8 ;"0 =754445598.479 357C .20 0I :5066479673 7C :04A6 06.A6 1 é 75 .20 #7C896 <050 49 .20 28 ;4. 0?09 357C .20 .4C0 73 #7CA"A6 73 A649B 37504B9 " =7496 73 6.8C :0D B7"D 89D 64"?05 8 38=.: :57?0D ;7.2 ;@ :A ;"4= 89D :54?8.0 C0C7589D8 8=E .89.4A6 50"8.06 .28. .20 4 ;@" D0C89D0D 73 85E SA494A6 5460A6 .2500 2A9D50D # 8 ++ 375 205 490 77F6 73 57 :20=@* 1 628"" 97. 6.7 :. .7 =7964D05 .20 8 ;6A5D 898=2579466C ;@ <24=2 85E SA49 89D 24"4 :" 850 C8D0 =79.0C :758907A6* 1 2A6 CA=2 .20 8A.275 <27 49 7.205 C8..056 <86 <0"" 097ABZ 49375C0D 49.09D0D .7 =79?0@ .28. <209 .20 #7C896 28D 97 B7"D =7498B0 73 .2045 7<9 .20@ 8?84"0D .20C60"?06 73 .28. 73 8 37504B9 98.479 7960SA09."@ 43 8. 67 50C7.0 8 :0547D 73 .2045 246.75@ .20 #7C896 <050 <0"" 6A: :"40D <4.2 37504B9 C790@ 27<' CA=2 B508.05 89 8 ;A9D89=0 73 4. CA6. .20@ 28?0 28D 8. .2045 =7CC89D 49 83.05 .4C06 <209 .20 .5086A506 73 67 C89@ ?89SA4620D F49BD7C6 57""0D 49.7 .2045 =4.@XU 1 N H E >*

& n ?. .05C B4?09 .7 .20 =7496 09B58?0D 49 .20 86.4 .20 46.7548 C : : KA"44 ABA6.4 0. 4 ;0544 .20 2068A5A6 .20 &5 r =4m 0. 4="4 r 99C46C8.8 89D 7.205 <75F6 ;@ A6 ;05. &7".\ 75 &7".\4A6 3 .246 0I.5875D4985@ C89L6 :57=00D49B6 CA=2 286 ;009 <54..09 ;@ 9AG C46C8.46.6 ;7.2 73 .20 0"D05 89D .20 C750 C7D059 6=277 79 .20 790 289D .7 6A : :75.246 =2858=.05 89D 79 .20 7.205 .7 4C :AB9 97. 79"@ 246 8==AG 58=@ ;A. 246 ?058=4.@ 89D B77D 384.2 20 C76. A9SA8"4340D :890B@546. 73 .20 "08590D 89D 49DA6G .547A6 * 9.<05 :489L6 "8 ;7A56 89D "086. 6=5A :A"7A6 D0309D05 73 246 "4.0585@ =79DA=. 46 0D47 ;85 ;A6 0I. 49 .20 589F 73 8DC45056 89D 6A : :75.056 850 89.4SA85489 =54.4=6 73 97 "066 0C4909=0 .289 7546 8B4 4""0C79. 89D 7D<0"" / .7 .2060 CA6. ;0 8DD0D .?0 98C0 73 49F05.79 <27 <4.27A. 2064.8.479 T 50=7CC09D6 &7".\4A6 .27L 8"" 246 <75F6 28?0 C89@ =7496 97. 37A9D 49 =8;4E 90.6 0. 8DD6 7A5 9B"462 668@46. 79 0D8"6 4. 46 =05.849 .28. 20 <86 73.09 4C :760D A :79 89D 246 <75F6 CA6. 20 A60D <4.2 B508. =8A.479*U 1 4C4"85 "89BA8B0 28D :50?47A6"@ ;009 A60D ;@ 84""89. 750" 8?05=8C : 89D 7.2056 <27 :573066 B0958 D030509=0 .7 &7".\4A6 86 8 9AC46G C8.4 8A.2754.@ 2A. <27 349462 ;@ 0I24;4.49B :85.4=A"85 0I8C :"06 73 246 D08"49B6 <4.2 "0B09D6 89D .@ :06 79 ;7.2 &500F 89D #7C89 =7496 .28. D06.57@ .20 ?05@ 37A9D8.479 73 =7934D09=0 49 <28. 20 286 <54..09 89D 09B58?0D 506 :0=.49B .20C 20 609.4C09.6 73 4C85D D "8 86.40 89D 73 =F20" 850 C76. D0=4D0D"@ 9.4E&7".\489 20 375C05 49 246 97.06 79 K7 ;05. 9 4 : aaN 49.4C8.06 .28. 4. <86 246 49.09.479 .7 28?0 :A ;G "4620D 8 D46605.8.479 79 .20 6A ; 0=. 73 8 ?7"AC0 "03. ;@ &7".\4A6 79 C :0548" 0D8"6 49 <24=2 20 <7A"D 28?0 620<9 <28. F49D 73 =79E

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34D=9=0 4. 46 5086798 ;"0 .7 :"8=0 49 &7".\4A6 <4.2 5030509=0 .7 C0D8"6 <24=2 .28. 89.4SA85@ 28D :5730660D .7 28?0 D58<9 357C .20 754B498"6 <4.2 246 7<9 289D @0. <24=2 79 0I8C498.479 85= 97. .7 ;0 37A9D 8. .20 :5060 9. D8@*U 1 .' 600C6 .28. 246 D46605.8.479 90?05 68<' .20 "4B2./ 8 =45=AC6.89=0 .7 ;0 50B50..0D 4986CA=2 86 6A=2 8 <75F 0C898.49B 357C 8 C89 73 44985DL6 05AD4.479 49.0B54.@ 89D AD4=47A6 8 :"4=8.479 73 9AC46C8.4= F97<"0DB0 .7 0?05@ ;589=2 73 .20 6=409=0 <7A"D 28?0 ;009 8 B508. 84D .7 64C :"0 .5A.2 89D A6.4=0 49 8 =860 "4F0 .20 790 49 SA06G .479*

=F20" <"47 28D 09.050D 085"@ 49.7 .20 &7".E \489 =79.57?056@ 89D <4.2 =2858=.0546.4= 0905B@ 09=7A9.050D .20 85BAC09.6 0C :"7@0D ;@ .20 :85G .46896 73 &7".\4A6 .7 0I79058.0 24C 357C 6A6 :4G =479 73 358AD 1 8?84"6 24C60"3 73 246 *) 9 f .7 50 :08. 246 =285B06 .20 =7550=.G 9066 73 <24=2 3A5.205 89D C750 D0"4 ;058.0 4AE ?06.4B8.479 28D 79"@ 605?0D .7 =79345C 49 246 7<9 C49D# #09D0549B 8 3500 .54 ;A.0 73 :5846O 89D 8 :50=48.479 .7 .20 649BA"85 D4"4B09=0 89D 49DA6.5@ 73 .20 =0"0 ;58.0D 8A. 5 4A 8=SA4549B 9AC057A6 =7496 89D 7 ;.84 449B 8==066 .7 7.2056 89D 8""7<49B 24C .20 C054. .28. ;0""79B6 .7 89 49D038.4B8 ;"0 6 :454. 73 506085=2 8C79B6. 89=409. C79AC09.6 89D 73 B508. "0859 49 :85.4=AG "85"@ 49 #7C89 46.75@ D46 :"8@0D 49 .20 0IG :"898.479 73 .2760 50=6 73 89.4SA4..@ =F20" 90?05.20"066 =79.09D6 .28. .20 B508.05 :85. 73 .20 =7496 =79.8490D 49 .20 :"8.06 73 &7".\4A6 8D00 =7A9.05304. 1 .28. 6=8..050D A. 89D D7<9 246 ?7G "AC06 C89@ =7496 850 .7 ;0 37A9D BO9A400 73 .2045 F49D A. <24=2 .20 8A.275 286 D4627906."@ 38"64340D 1 .28. 20 350SA09."@ 6.8.06 8 =749 .7 ;0 B7"D <24=2 49 .20 754B498"6 46 79"@ 64"?05 28. <24"6. 20 D0"4908.06 89 8 ;A9D89=0 73 =796A"85 =7496 <24=2 97 790 0 05 68<' 75 46 "4F0"@ .7 600 20 B4?06 C89@ <24=2 28?0 97 :50.0964796 .7 5854.@ 89D 49="AD06 49 246 =7:47A6 09B58?49B6 9790 73 .20 506.4.A.4796 73 58 89* 1 ""AD49B 246 <75F 79 4=4"489 =7496 .20 549=0 73 7550E C9\\8 6:08F49B 73 .20 C0D8"6 73 50:89=' 68@6 T .20 B77D 384.2 73 &7".\4A6 46 .7 20 6A6 :0=.0D*U "750\ .20 D0?7.0D =7""0=.75 89D :5737A9D =54.4= 73 .20 46:89489 C49. 503056 49 .05C6 73 54D4G =A"0 .7 .28. =759A=7 :48 73 =7496 8664B90D .7 :89462 =4.406 86 6.5A=F $ '.20 504B9 73 8"4G BA"8 89D :A;"4620D ;@ &7".\4A6* 1 :8A204C C09.4794B9 8 =749 8DDA=0D 357C .20 68C0 305.4"0 67A5=0 7;605?06 1 T 4. 286 24.205.7 50C8490D 0"60<2050 A96009 89D 46 .20503750 A6."@ .7 ;0 20"D 49 6A6 :4=479*U

9D50<' 750" 49 8 "0..05 .7 054\794 68@6 T AC4 =796A"8506 &7".\44 75D4A0 8":28;0.4=7 8D 34904 7 :0546 8D 0=.4 6A9. 64=A. ;54 8 :7=5@:24 =89794=46 SA48 DA;433 6A9. 34D04 0. C8 75 :856 289D 49=05.86 97.86 38"64.8.46 :58Z 60 305.*U 1 ^ L20 =796A"85 =7496 73 &7".\4A6 850 6A; 7490D 49 8":28;0.4=8" 75D05 8. .20 09D 73 .20 <75F A6. 86 .20 :7=5@:28 46 8DD0D .7 .20 =89794=8" 277F6 73 =54:.A50 ;0=8A60 .2045 B09A4909066 46 6A6:0=.0D 89D .20 C8 754.@ 73 .20C 50609. A90SA4?7=8" 49D4=8.4796 73 358AD*Q

8?05=8C :6A; 7496 .7 .20 3750B749B T 89.76 &7".\48975AC 9AC75AC =6. 9AC0586 SA4 9A6E

SA8C' 7;6=5?89.A5' SA75AAD8C' SA7SA=' 979' 49E' A6.8' ?0"A.' 6A;D4.75AC' 6A6:4=47' A.' 8' "750" 4' 609.09.48' 90SAgSA8C' D46=0D8C*U 1 ^ 7' "85BO' 8' :57:75.479' 73' .20' &7".\489' =749'6 28?0' 90?05' =7CO' A9D05' 7;605?8.479' <24"6.'.7'67CO' 73' .20C' 8..8=206' 8' A6.4348;"0' 6A6:4=479' 73' 6:A5479690666' .28.' ' 349D' 4.' 4C:7664;"0'.7' D43305' 357C' .20' 7:4G 9479' 73' 750"*Q

9.05.84949B' 6A=2' 7:4947966' 86' .2060' 46' 4.' 97.' .7' ;0' "8C09.0D' .28.' .20@' 627A"D' 28?0' =7:40D' 67' C89@' 73' .20' 1 M ' 49.7' .20' ' ;7.2' =796A"85' 89D' 4C:0548"' <24=2' 790' 73' .2060' "08590D' C09' =7"'"0=.0D' C8.0548"6' 375' 89D' .20' 7.205' =79.54;A.0D' 246' 0I:"898.75@' =7CC09.6' A:79'3' .' 286' D7A;."066' .09D0D' CA=2'.7' C46"08D' 89D' =793A60'.20' 6.AD09.' 89D' <86' 89'49=79646.09.' 6.0:' .7'.8F0' 49' 8' <75F' 73' 6A=2' 6.89D85D' ?8"A0*

V 28.' &7".\4A6' M68@6' =F20"N' 286' 49' 246' <75F6':50609.0D' 89' 49=50D4;"0' 9AC;05' 73' =7496' 73' <24=2'.20' "4F0' <050' 90?05' 8B849' 6009' 357C' .28.'.4C0 1 46' 8' 38=.' 97.' 79"@' 97.' D0940D' ;A.' 0?09' 0I.7""0D' ;@' .20' <54.056' <27' :8.5794607' 246' =8A60#' ' 50305' C@' 508D05' 27<0?05'.7' .06.4G C79406' 73'.20' C7 ' "085 90D' C09' <24=2' 620<'.28.' 4.' 46' 97.' 79"@' 0I.50C0"@' 6A6:4=47A6';A.':764.4?0"@' ;0@79D' ;0"403' .28.' 790' C89' 627A"D' 28?0' ;009' 8;"0' .7' 7;.849' 75' 0?09' .7' 28?0' 496:0=.0D' 49' CA60AC6' .209' F97<9' 49' A57:0' =74A6' 73' 6A=2' 8' 98.A50' 89D' 49' 6A=2' 7?053"7<49B' 8;A9D89=0' 86' 904.205' .20' 0I.0964?0' C0896' 73' :549=06' 975' .20' 6.A;;759' =A:4D4.@' 73' <08".2@' 49D4?4DA8"6' 975'.20' 08B05' =7C:0.4.479' 73' .2760' <27' 8"'' .2045' "4?06' 28?0' ;009' 7==A:40D' 49' :7549B' 49.7' .20';7<0"6' 73' .2045' 98.4?0' 674"' 375' .20' :A5:760' 73' 0I.58=.49B' .2050357C' .20' 50"4=6' 73' 89.4SA4.@ 1 28?0' 649=0' 6A==00D0D' 49' D46=7?0549B' 75' :57=A549B#' 9' .246' 506:0=.' .20' ' 49B6' 73' 589=0' 86' <0"'' 86' 0''0549' A9.05' 9905@ E =# <050'97.249B' 86' =7C:850D' .7' &7".\4A6*U

7<' 4.' 73.09' 28::096' 49' 9AC46C8.4=' :A5G 6A4.6' .28.' ;@' .20' 0330=.' 73' .4C0' 89D' 7.205' =8A606' 7:058.49B' 49 A547A6"@' 79' .20' "0B09D6' 73' 89=409.'=7496' .20' 0@06' 73' .20' C76.' 6F4"3A" C8@' 20' D0=04?0D' 89D' 38"60' 7:4947 96' C8@' ;0' ;860D' .205079' <4.27A.' .20' "086.' 4935 49B0C09.' 79' .20' :549=4:"06' 73' 27906.@# .' 46' 97.' 27<0?05' 79' 89@' 6A=2' B57A9D6' .28.' =F20" 8==A606' &7".\496' 73' 4C:76.A50# 0'=7C;8.6' 73309=06' 73' SA4.0' 89G 7.205' D06=54:.479" @' 018C:"06' 8F.09' 357C' &7".\4A6L' 7<9' <75F6' .06.0D';@'=7496' 49'.20' CG :0548"' 460AC' =F20" :57?06' .28.' .20' =0"06 ;58.0D' "0C462' 89.4SA85@' 97.' 357C' 05575' 75' 498D?05.09=@' 2A.' <4.2' 8' D0"4;058.0' 8..0C:.' 8.' D0=0:.479' 286' 8334I0D' .7' 508""@' B09A490' =7496' 496=54:.4796' 7' 8' D4330509.' 89D' 8' 6:A547A6' F49D# 1 00' . ' ' '?# =# II4#' :# =I"# 0.' 60S*1 # ' 4

& # ' *' " ' %' 354E' =8AA6' 609475' <86' .20' 466A0' 73' 89' 4""A6.547A6' H' '

& ' * HH

38C4"@# 46' 38.205' <86' 0.C6' 85A"A6' 246' C7.205' K":48' &75D4898# 0' <86';759'8;7A.'.20' @085' 73' #7C0' a ' 9 ' ' ,[N# 3'8' C4"D' A6.' 89D' CA9434=09.' D46:764.479' =7550=.' 49' C758"6' 89D' D4B94340D' 49' C899056' <0"'' ?0560D' 49' .20' 24B2 ' ;589=206' 73' "4.058.A50' "7?49B' 89D' =A"G .4?8.49B' ;7.2' 0"7SA09=0' 89D' :70.5@' 20' 6779' 7;.8490D' :A;"4=' 7450=06' 89D

H & # ' *

& '73' & # ' #* #*

!0 * / " " * ! ' ' (7C89' 608.0D* M 8"A0D' ;@' 47990.' 8.' , , '4)D1 :* * * ' #' =76* :* :* 4BA50' 6.89D49B ' 49' .20' .7B8 ' <4.2' "8A50"* .<4B* M$H' , [6* 0C ; 57F0' ' $ ' 6* 27E C86 ' $H' 6* 5AC0""* ' $ ' 6* 7?0@*N 1 " .' 2 ' 1 ' 75' ?77* (7C89' 608.0D* M3H' H6* 5AC0""' $H' , a6* 8 ; 8.405N* 1 1!" *! ' ' M$H' 6* "47C86N* 1 !* ' ' M$ ' 6* 27G C86' $ ' 6* 8C : 898N* ' * #7C0' .20' ?4=.75@E ; 08505' 608.0D* 1 1) ' ! #' ' ' & $! ' #$' 1 ' 08D' 73' .20' 0"D05' &75D489* M$H' H6* 59C0 ' $H' 6* 8 ; 8.405' 68"0* 9B58?0D' 8.' .20' 208D' 73' .246' 85.4="0N* 8!* ' * 1 :* ' * '#' " '#'#' 4BA50' 6.89D49B ' 28 ; 4.0D' 49' .20' .7B8 ' 27"D49B' 49' .20' 54B2.' 289D' 89' 7"4?0' ; 589=2 ' 89D' 8' .5A9=2079' 49' .20' "03.* M .* [' 35*N' 9B58?0D' 49' .20' ') ' ' ' 1 #* ! ' ' ' <7C89' 6.89D6' <4.2' =7CA=7 : 400' : 749.49B' .7' 8' B"7 ; 0* M$ ' 6* 0?7962450N* 9B58?0D' 49' F05C89 ' 4* :* , ' + ' ' 7* , *1 # ' * ' <7C89' 608.0D* M$H' 6* D* 27C86N* 1 * ' 2 2 2' #7C0' 608.0D* M .* [' 35*N 1 1!" D *! ' 1 ' 4=.75@' <8"F49B* M$H' , , 6* D* 27C86 ' $H' , H6* 8C : 898N* O ' 20' 086406.' C0.27D ' 8==75D49B' .7' * #7"E "49 ' 73' 8546 ' 375' ="86643@49B' .20' 5850' C0D8"6' 73' .20' .<7' 3456.' &75D4898 ' 46' .7' 50C0C ; 05' .28.' 79' .20' 38.2056' .20' 2845' 46' 3A""05' 79' .20' 3750208D' 89D' .20' =200F' 46' 58.205' 6A9F' 49' .257AB2' 8B0' <24"6.' .20' 679' 46' ; 8"D' 49' 3579.' ; A.' 286' 8' CA=2' 3A""0' 38=0* 1 ; ' ' + ' , H ' $' ' ' + ' F ' '

& # ' *' " ' % ' 679' 73' &75D489A6' 354=89A6' , ' 89D' 73' 8 ; 48' 506E .4""8 ' <86' ; 7C' A9D05' .20' 504B9' 73' 7CC7D96 ' ' , a , * 0' <86' 496.C=.0D' 49' .20' 24B206.' 89D' C76.' 0"0B89.' ; 589=206' 73' "4.058.A50' ; @ 050E 9A6' 8CC794=A6' .20' @7A9B05 ' <27' "03.' 24C' 246' "4 ; 585@* =7C : 760D' 73' > ' ?7"AC06 ' 89D' 20' : 5734.0D' 357C' .20' 496.58=.4796' 20' 28D' 50=04?0D' 357C' 246' 35409D' 89D' : 50=0 : .75' .7' 509D05' 24C60"3 8==7C : "4620D' 49' .20' 6.AD@' 73' .20' "8<' 89D' C750G 7?05' B8490D' 8' 24B2' 50 : A.8.479' 8C79B6.' .20' <54.056' 73' 246' .4C0 ' 49' : A ; "46249B' 60?058"* (75F6 ; 7.2' 49' : 5760' 89D' ?0560 ' <24=2' 503"0=.0D' 2797A5' 79' 246' . 09.6' 89D' 8..849C09.6* 8 : 4.7"49A6 ' 49' : 58464 9B' 24C' 375' .2060' 24B2' SA8"4.406 ' 8D?05.6' .7' 246' 289D67C0' 34BA50 ' =7A5.07A6' D0C0897A5 ' 89D' C4"D9066' 73' =2858=.05 ' ; A.' 8.' .20' 68C0' .4C0' 50C85F6' .28.' 20' <86' .77' 379D' 73' <7C09* 0' <86' S906.75' A9D05' "8B8 ; 8"A6 ' : 50.75' 89D' =79G 6A* A9D05' "0189D05' 0?096 ' ; @ <27C' ' ' >HaN' 20' <86' 8 : : 749.0D' .20' ' 73' 246' 38.205' %' 354=8 ' 89D' <86' 8=F97<"0DB0D' 0C : 0575' <4.2' 24C' 8.' .20' 09D' 73' 04B2.' @0856L' 5064D09=0' 49' .28.

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: 57?49=0' ' ' HH N* 0' <86' F4""0D' 8' 30<' <00F6' 83.05<85D6 ' 34B2.49B' ?8"489."@' 8.' .20' 208D' 73' .20' .577 : 6' <24=2' 246' 38.205' 89D' 20' 28D' "0?40D' .7' 7 : : 760' .20' 8D?89=0' 357C' 8A50.8948' 73' 8 : 0"E "48AA6 ' 8' 508D@' 496.5AC09.' 73' 844C49L6' =5A0".@* 0' <86' 375.@E64I' @0856' 7"D' <209' ; 0' D40D' ' 28?G 49B' 7==A : 40D' .20' 589F' 73' ABA6.A6' 375' 79"@' .20' 6275.' 6 : 8=0' 73' 375.@' D8@6* 20' 98C0' 73' 246' <430' 46' A9F97<9* 46' 679' <86' &75D489A6' * =8""0D' # 20' 4 '38.205' 89D' 679 ' 28?49B' 8D7 : .0D' .20' 68C0' "0B09D ' 4.' 46' D4334=A".' .7' D46.49BA462 ' 8C79B6.' .20' =7496' 73' .2760' 0C : 05756 ' <28.' ; 0G "79B' .7' .20' 790' 89D' <28.' .7' .20' 7.205* 1 =F20"* N?44* H, N* 286' .508.0D' .246' SA06.479' 49' 8' 68.4638=G .75@' C89905* 0' 8B5006' <4.2' 84""89.' .28.' .20' : 40=06' <24=2' ; 085' .20' "0B09D' ' 3 ' ' =76* ' ' 850' .20' 79"@' 7906' <24=2' =89' <4.2' =05.849.@' ; 0' 8..54 ; A.0D' .7' &75D489' .20' 38.205* 6' .7' .20' 7.205' : 40=06' .20' 4=797B58 : 240' 49D4=8G .4796' 850' 7A5' 79"@' BA4D0* 50SA09."@' .20' "089G 9066' 73' .20' 38.205' .20' B77D' =79D4.479' 89D' C750' C85F0D' 308.A506' 73' .20' 679' "08D' .7' D46.49=G .4796' 9085"@' 49DA ; 4.8 ; "0* 9' 7.205' 506 : 0=.6' .20' A9=05.849.@' 50C8496* =7C : "0.0' ' 89D' 8 ; 7?0' 8"" ' 790' 46' 49D46 : 760D' .7' 86F' 27<' 89' 7=.7B0986 5489' 49' 8B0' 89D' 8' C89' 73' 375.@E64I' @0856' =7A"D' 2850' ; 009' 50 : 50609.0D' 49' 8' C89905' 8"C76.' 4D09G .4=8"z' .' 46' 0?09' : 7664 ; "0' .28.' 8.' #7C0' <2050' .2060' =7496' <050' 6.5A=F' 49' B508.' 286.0' .20' 85.46.6' 28D' 8.' .2045' D46 : 768"* 79"@' .20' : 75.584.6' 73' .20' 0"D05' &75D489 ' 8"508D@' 7"D' 89D' <24=2' 50C7A9.0D' .7' .20' 0 : 7=2' 73' 246' C8.A54.@' 73' C89G 277D* 1 * 0975C8A.' + ' 8 ' :* a , * 3' <0' 8 : : "@' .2060' 50C85F6' .7' .20' D098544 ' <7' 628""* A9SA06.4798 ; "@' 50=7B94\0' 08=2' &75D489' 86 : 5034I0D' .7' .20' 97.4=36' 73' .2045' 506 : 0=.4?0' 504B96* 20' "85B0' ; 5866' 850' C750' 0C ; 85586649B' / 89D' 49' B09058"* 4.' 46' .7' ; 0' 7 ; 605?0D ' .28.' .2060' C7940 6' 6.5A=F' 8.' #7C0' ; @' 8A.2754.@' 73' .20' 098.0 ' 850' .2760' 73' <24=2' .20' 4=797B58 : 240' =2858=.056' 850' "066' D46.49=.* 7C0' 73' .20C' <7A"D' 8 : : 085' .7' ; 0"79B' .7' .20' 679' ' 357C' .2045' 8 : : 08589=0' C750' 8664C4"8.49B' <4.2' .20' C054D489' 73' "430 ' 7.2056' <7A"D' ; 0' 8664B90D' .7' .20' 38.205' .7' ADB0' 357C' .20' 6.579B"@' 49D4=8.0D' 64B96' 73' 7"D' 8B0' <24=2' .20@' : 50609.* 20' .<7' &75D4896 ' : 57="84C0D' 49' 354=8' 28D' 904.205' .4C0' 975' 7 : : 75.A94.@' .7' 8554?0' 8.' #7C0' / 8' 38=.' <24=2' 627<6' .28.' .20' 098.0' D4D' 97.' 8"<8@6' <84.' 375' .20' 8=.A8"* 09.5@' 73' .20' 90<' 0C : 0575' 49.7' .20' =8 : 4.8" ' ; 0375' .20@' =8A60D' ; 5866' C790@' .7' ; 0' C49.0D' ; 08549B' 246' 4C8B0' 89D' 6A : 056=54 : .479* 20' 8 ; ; 50?48.479' 79' 67C0' 50?05606' ' 375' ' 50=8""6' .7' C49D' .28.' .2050' <050' .209' .<7'

& ' ' & # ' # ' K #*

9' =7496' 20' 46' 6.@"0D' * * M75' *N * * & # * #* &* 1 20' 37"G "7<49B' "46.' 73' 50?05606' 49' 64"?05' 89D' "85B0' ; 5866' 620<6' .28.' "4F0' .2760' 73' .20' 38.205' .2045' 5854.@' =796.4.A.06' .2045' B508.06.' C054.*

□ □ ' ' 79=75D' 608.0D* M 8"A0D' ;@' 47990.' 8.' 1 * + 1

& # ' *

* 5754D09=0' 6.89D6' "08949B' 79' 8' =749C9 ' 8' B"7 ;0' 8.' 205' 300.* M 57AB2.' $[* , 6* 8.' .20' 0?7962450' ' $ ' 6* 8.' .20' 27C86' ' $[' 8.' .20 7?0@' 68"06*NEEEE !" J ' ' M$ ' [6* 27C86N* 1 ?494?6' ' ' C4"4.85@' 34BA50* M$ ' " 6* 0?7962450 ' $H' , 6* 0C ;57F0 ' $H' , 6* 27C86 ' $ ' 8C : 898 ' $ ' >6* CC0""N* , 2' / (1 7 2 ' ' M .* ['35*N 1 # ' * #7C0' 608.0D* M$ ' 6* 27C86' ' $ ' , 6* 8C : 898*N 1 !" *! ' ' ? 4=.75@' <8"F49B* M .* ['35*N* 1 ! * ' ' 4"4.85@' 34BA50* * =* 49' .20' 340"D* M$>' ,>6* 0CG ;57F0' ' $ ' >6* 5AC0"" ' $ ' , 6* 7?0@*N 1 ' 8C0' "0B09D* 856' =855@49B' 8' .57 : 2@' 89D' 8' "89=0' " ' ' f' , 3 ' ?8"A0D' ;@' 2"47990.' 8.' '35*N

& # ' ' M75' *N 1 20' @085' 73' .246' @7A9B' : 549=0L6' ; 45.2' 46' 97.' 86=05.8490D* 1 ' "" .28.' 8 : : 0856' =05.849' 46' .28.' 246' 8994?05685@' 30"" 79' .20' , H.2' 73' .20' =8"09D6' 73' ?0 ; 5A84@' M> .2' K89A85@N* 0' <86' .20' B589D679' 73' &75D48976 * ; A.' <20.205 ; @' 246' 67A' &75D489A6 * 75' ; @' 246' D8AB2.05 ' 46' 6.4"" A9F97<9* 9' .20' @085' 73' #7C0' a ,' 9 ' >H N ' .20' A9B06.' &75D489 ' <27' <86' 8.' #7C0' <209' .20' .<7' 354=89' &75D4898' <050' C8668=50D ' <86' 98C0D' 549=0' 73' .20' 7A.2' ; @' .20' 098.0* 20' : 07 : "0' <27' "7?0D' 24C ' 49' 50C0C ; 589=0' 73' 246' 50"8.4796 ' 28D' 90?05' =0860D' .7' ; 0640B0' .20' =8 : 4.7" A9.4" .20' D4B94.@' 73' .0*685' 28D' ; 009' =7930550D' 79' 24C* 0' <86' .209' .2456 .009' 75' 641 .009' @0856' 73' 8B0* 9 : 409A6' 89D' 8"E ; 49A6' <050' 0"0=.0D' ' 20' 68C0' @085' 9 : 40996' : 57=00D0D' .7' .20' <85' 8B8496.' 814C4G 9A6 ' < 24"6.' 8" ; 49A6' 89D' &75D489A6' 8=.0D' 79' .20' D0309642?0' 8.' #7C0* ' 60547A6' .ACA".' 854649B' ; 0.<009' .20' : 50.75489' BA85D6' 89D' .20' : 07 : "0 ' .20' @7A9B' 80685' <86' "43.0D' A :' 89D' 620<9' .7' .20' =79.09D49B' : 85.406 ' <24=2' 28D' .20' 0330=.' 73' 8""8@G 49B' .2045' 0 I=4.0D' 300"49B6 ' 89D' ; 549B49B' 8 ; 7A.' 8' 50=79=4"48.479* 20' 8A.2754.@' 73' .20' 90<' 0CG : 05756' <86' 50E06.8 ; "4620D' ;@' .20' D08.2' 73' 814E' C49A6' 89D' 73' 246' 679' 814CA6* .' .20' 09D' 73' .20' C79.2' 73' KA"@ ' 49' .20' 68C0' @085 ' 8" ; 49A6' 89D' A : 409A6' ; 049B' : A.' .7' D08.2' ; @' .20' : 50E' .754896 ' &75D489A6' <86' 375C8""@' D0="850D' ' ;@' .20' A9894C7A6' ?74=0' 73' .20' : 50.754896' 89D' .20' 098.0* 1 9' aa>' 9 ' ' >Ha N ' &75D489A6' * : 57=00D0D' =796A* 375' .20' 3456.' .4C0* 46.75@' 50=75D6' 97.249B' =05.849' 506 : 0=.49B' .20' 0?09.6' 73' .246' @085*

aaH' 9 ' ' > N ' 75' .20' 37""7<49B' @085 ' 8 ; 4946A=2' 8' C891G' 86646.89=0 ' 67' <86' 20' C76.' A9G 89A6' A6A5 : 0D' .20' 4C : 0548" B7?059C09.' 49' 354=8 ' 375.A98.0' 49' 246' 60"0=.479' 73' 8' 6A==06675* A5

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& # ' ' H[

; A.' <86' D0308.0D' 89D' .8F09' : 5467905' ; @' .20' B7G ?05975' 73' 8A50.8948 ' .257AB2' .20' .508=205@' 73' 246' 7<9' : 85.@* 20' @7A9B' 0C : 0575' : "89.0D' 8.' 4C498=4AC' M600' .20' <75DN ' 8' =4.@' 73' : : 05' 00648' M97<' i %' 8' =7"79@' <24=2' D8.06' 4.6' 37A9D8.479' 357C' .246' @085*

aa ' 9 ' ' > , N* 1 246' @085 ' <24=2' <86' .28.' 73' &75D489L6' 60=79D' =796A"8.0* 8 : 75' , * F49B' 73' .20' 0564896 ' 49?8D0D' 067 : 7.8C48 ' .209' 6A ; G 0=.' .7' .20' #7C896 ' 89D' .20' .05575' <24=2' 246' 85C6' 496 : 450D ' 6 : 508D' 97.' 79"@' 49' .20' 86. ' ; A.' .257AB2' .8"@' 4.60"3* 20' 8 : 75' 49' SA06.479' <86' 679' 73' .28.' 5.8105106' <27 ' 83.05' 7?05.257<49B' .20' 568=4D60 ' ; 57AB2.' 85.248' 8B849' A9D05' 05G 6489' 5A"0 ' 86' 4.' 46' 684D ' DA549B' .20' 504B9' 73' "01G 89D05' 0?05A6* &75D489A6 * C8D0' 4CC0960' : 50 : 858.4796' .7' C00.' .L"46' : 7<053A1* 370* 20' 68C0' @085' 20' C85540D' 5* ; 4948' 589SA4""498*

aa[' 9 ' ' > >N* 1 &75D489' "03.' #7C0' 89D' : 57G =00D0D' .257AB2' 60648' 89D' 258=0' 49.7' 648 ' 89D' .209=0' 49.7' @548* 0' D0308.0D' 8 : 75' 49' 60?058"* ; 8.."06 ' 89D ' 50=8 : .A549B' 357C' 24C' C89@ =4.406' <24=2' .20' "8..05' 28D' .8F09' 357C' .20' #7C896 ' D57?0' .20' 056489' C7985=2' 7A.' 73' 067 : 7.8C48*

aa ' 9 ' ' > HN* 1 9' =7960SA09=0' 73' 246' ; 54""489.' 6A==06606' 49' <85 ' 8' .54AC : 2' 49' 8' ; 4B8' 73' 0"0 : 289.6' <86' D0=500D' .7' &75D489A6 * M600' .20' C790.8* 50=75D' 73' .246' 38=.' 49' : * > HN* 1 ' 464.20A6 ' : 5030=.' 73' .20' : 50.75489' BA85D ' 38.205E' 49E"8<' 73' .20' 0C : 0575 ' 89D' <27' 28D' B508."@ =79.54 ; A.0D' .7' 246' 6A==06606 ' 79' .20' 68C0' 7==8G 6479' .54AC : 20D' 49' 8' SA8D54B8' 73' 275606* 28.' <460' 89D' .5A0' 35409D' 73' .20' 0C : 0575' D40D' .20' 68C0' @085 ' : 746790D ' 86' 4.' <86' ; 0"40?0D ' ; @' 24"4 : : A6 ' 89' 58 ; 489 ' <27' 38.8""@' 6A==00D0D' 24C' 49' .20' D4B94.@' 73' : 50.75489' : 5030=.*

aa ' 9 ' ' > N* 1 246' 85.3A* 89D' 8C ; 4.47A6' C89 ' 28?49B' 89' 0@0' A : 79' 0C : 450 ' 49.05=0 : .0D' .20' 6A : : "406' 375' .20' =8C : 84B9 ' 89D' .2A6' 4554.8.0D' .20' 85C@' 8B8496.' .2045' : 549=0* &75D489' <86' 866866498.0D' 8.' n0""8 ' 79' .20' A : 258.06 ' 49' .20' C79.2' 73' 0 ; 5A85@ ' 49' .20' >>9D' @085' 73' 246' 8B0 ' 83.05' 20' 28D' 504B90D' 8 ; 7A.' 641' @0856*

T' 2A6' .05C498.0D' .20' "430' 73' &75D489A6 * 49' <27C' 97.249B' <86' <89.49B' .7' 06.8 ; "462' .20' =28580.05' 73' 8' 3456.E58.0' : 549=0 ' 0100 : .' 8' "79B05' "430* 20' "7?0' 73' .20' : 07 : "0 ' 37A9D0D' 79' .20' C054.6' 73' 246' B589D38.205' 89D' 38.205 ' = 7930550D' A : 79' 24C' 3456.' .20' .4."0' 73' 60685' 89D' .209' .28.' 73' ABA6.A6 ' 89D' 67' 8D750D' <86' 20' 375' .20' ; 08A.@' 73' 246' : 05679 ' 89D' .20' 6A8?4.@' 73' 246' C899056 ' .28.' .20' 098.0' 89D' 85C@' =8 0D' 24C' .2045' 679 ' 89D' .20' : 07 : "0' .2045' D85"49B* ' 50G C85F8 ; "0' : 5773' 73' .20' 0I=0""09=0' 73' 246' D46G : 764.479' <86' 620<9' 49' .20' D7=4"4.@' <4.2' <24=2' 8.' 89' 8B0' 0I : 760D' .7' 0?05@' .0C : .8.479 ' 20' "46.090D' 97.' .7' .20' ?74=0' 73' : 866479 ' ; A.' .7' .20' 68B0' =7A960"6' 73' 464.20A6 ' .289' <27C' .20' 0CG : 450' =7A"D' ; 786.' 97' 790' C750' "08590D ' 0"7SA09.' 75' D46.49BA4620D' 49' .20' 85.6' 73' : 08=0' 89D' < 85 ' 89D' <27C' 20' 28D' =27609 ' 97.' 79"@' 86' 246' : 5030=.' 73' .20' : 50.75489' BA85D ' ; A.' 86' 246' 38.205E49E"8<' ; @' C855@49B' 246' D8AB2.05' 589SA4""498* 6' 20' <86' 28 : : @' 67' "79B' 86' 20' 28D' .20' 8D?89.8B0' 73'

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;@' 8: : 749.49B' ;4"4: : A6 ' .257L' <2760' 9038547A6' 85.6' 4.' <86' 6A: : 760D' .28.' 464.20A6' 24C60"3' C0.' 246' D08.2 ' 20' 30"" 8' ?4=.4C' .7' 246' 49B58.4.ADO' 89D' 276.4"4.@ ' 49' .20' 8.57=47A6' C89905' 8;7?0' D0G 6=54;0D# 20' 67"D4056' 83.05<85D6' 050=.0D' 246' .7C;' 8.' .20' 45=0648A' =8C :' 79' .20' ;75D056' 73' 05648 ' 89D' CC48996' 85== 4996' 83345C6 ' .28.' 86' "8.0' 86' .20' .4C0' 73' K7"489A6' *' 4.' <86' 6009' ;@' 24C60"3' 89D' .28.' 4.' <86' 8' =796:4=A7A6' 7; 0=.' 357C' 8' =7964D058 ;"0' D46.89=0# 20' "430' 73' &75G D489' ' 286' ;009' B4?09' 8.' B508.' "09B.2' ;@' 8:4.7"49A6*U 1 . ' ' ' ?7"# ?44# H a ' H, ' H, H* 20' 8.49' =7496' 73' &75D489A6' 4A6' 850' 5850' 49' B7"D' ' ; A.' 375' .20' C76.' : 85.' =7CC79' 49' 64"?05' 89D' ;5866 ' 0I=0: .' .2760' <4.2' .20' .4."0' 73' r685* 03750' 246' 8==066479' .7' .20' 0C : 450 ' .20' @7A9B06.' &75D489' 46' 6.@"0D' * # & # ' ' ' M.20' 208D' ;850M' ' >H * 20' 68C0' @085 ' 86=09D49B' .20' .25790' 79' .20' D08.2' 73' 8"E ;49A6' 89D' 9:40AA6 ' 246' =7496' 0I24;4.' .20' .4."06' 73' * # * # & # ' ' 89D' .2060' 20' ;750' DA549B' .20' .<7' 3456.' @0856' 73' 246' 504B9* 1 9' ' >Ha ' .20' .4."0' 73' ' <86' 8DD0D' ' 49' > ' .20' 3A5.205' 8DD4.479' <86' C8D0' 73' + ' 89D' .7' .20' 09D' 73' 246' "430' 20' : 50G 605?0D' .20' 6.@"0' 73' * & # ' ' ?I' &* ?

& ' ' & # ' *

< o ' o o ! ..... o * ' " % # $. & ' " -' 856' 85C0D' <4.2' ;A=F"05' 89D' "89=0* 1 1 ' ! # ' = * ! ' # ! ' # o ' ' ' &* #8D48.0D' 208D' 73' &75D489A6' 4A6* M 47990.' ?8"A0D' .246' :40=0' <24=2' 46' 73' ;85; 85G 7A6' <75FC89624: ' 8.' > ' $5* 00' F ' ' 6 =' ' ' * 4* :* Ha N*

! o * ' o o ! / = ! ' & ! ' & ! ' C : 0575' 89D' .20' A9' 6A: : 75.49B' 8' B"7;0' <4.2' .57: 2@ ' 6.89D85D6 ' =8: .4?06 ' 89D' 67"D4056* M 57AB2.' 4"> ' 8.' .20' 68"0' 73' 5* 8;8G .405L6' =7""0=.479 ' "7.' HHN* 1 ' & ! * 20' C790. r' .@ : 0* M .* >[' 35*N 1 # * # ~ ! * 1 < ' C : 0575' 79' 27560;8=F' 89D' 7.205' 34BA506N* .* H ' 35*N 1 1 4 ' ' C : 0575' 89D' 60?058"* 8..09D89.6' 68=5434=49B' ;03750' 8' 57A9D' .0C : "0 ' 79' .20' 3579.' 73' <24=2' 46' 508D' ' ' 9 4 * M .* H ' 35*N* < o 1 * ! ! ' A9' 6.89D49B* M$H' H6* 5AC0""* 68"0N* 1 = ! ' & ' M$>* >6* 0C ; 57F0 ' $>' , >6* 8 ; 8.405N* 1 4 ~ * ! & * 1' * +EEE ' * M ' 35* 08=2*N 1 "7?4' #4* M$ ' [6* 58.."0 ' 8; 8G .405 ' $>' , >6*N 1 ' # * M$>' H6* 58.G . " 0 N * 1 ' &* * M 58.."0 ' $ [' , >6* D*N 1 4 # 4 ' &* * M$ ' [6* 58.."0N* 1 ! ! .' ' 1 < 1 ' M$[' , >6* 58.."0N* 1 : * ' * ' # ' ! ! ' 89D' * =76* 44* : * : * 8=5434=48"* B57A: * M$H' , 6* 5AC0""N* 1 (' ' * ' # ' ! ! ' 7"D405' 6.89D49B' M8' 3490"@E: 50605?0D' 6: 0=4C09' ; 7AB2.' 8.' .20' 27C86' 68"0' 375' $ ' , 6*N 1 # * ! ! ' & ' 57?4G D09=0' <4.2' B"7; 0* M$H' , 6* 27C86N*E #4 ' &* M$>' 58.."0' $, ' 6* 8; 8.405N* 1 " * ! ' # * 0=A54.@' "0894 9B' 79' D' =7"AC9* M .* ' 35*N 1 ! " * ! & ' ' 4=.75@' 27"D49B' 8' <508.2' 89D' : 8*C' ; 589=2* M$H' 6* 58.."0' ' $H' , 6* 27C86 ' $>' , >6* 0C ; 57F0 ' $H' 6* =E

& # ' *

" & "' $>' >6* 8C : 898*EEEE + " " * ' " KA : 4.05' .20' : 57.0=.75' 89D' 8' "4.."0' 34BCE0* M .* [' 35*N 1 :* A* #* :* 9 4 "* ' =76* * 4BA50' 608.0D' <4.2' 7"4?0' .<4B* M$H' 6* 8; 8.405' 68"0N* 1 : * * #* * * =76* * C : 0575' <4.2' "89=0' 89D B"7; 0* M$>' [6* 58.."0N*EEEEE ! * ! ' & ! 05=A"06' M 859060N' 506.49B' 79' 246' ="A ; * M$H' , 6* 27C86' $H' 6* 5AC0""N* ! o * 1 :* ' * ' # ' 944* =76* 44* C : 0575' 49' 8' SA8D54B8' =57<90D' ;@' 4=.75@* 1 # * ! ' ! # ! ' 4?? * C : 0575' <4.2' B"7; 0' 89D' 286.8* M .* > ' 35* 08=2N* * ' 00! / o "+ [! ' & ! ' C : 0575' 89D' 37A5' 7.205' C4"4.85@' 34BA448* 1 ' M 57AB2.' $ ' , 6* 8.' .20' 27C86' 68"0* 9' 47990.' 4.' 46' ?8"A0D' 8.' , > ' 35*N 1 ! # ! " ! ' 7 ' 1< 1 C : 24.208.50 ' ; A#' 89D' 0"0G : 289.' =7C ; 8..49B* 1 00' 7 ' M 47990.' H ' 35*N 1 : * * # * : * * " ' ' P 20' B508.' =45=A6' <4.2' <506."49B' =28547.' 58=49B' =* M .* H ' 35*N * #* + " * "" #7C0' : 50609.49B' 8' B"7; 0' .7' .20' 0C : 0575' 49' : 50609=0' 73' .<7' : 50E .754896* 1 * ! " ' 5450C0' <4.2' 60?058" 34BA506* 1 ! " * ! ' & ! ' C : 0575' 89D' 8..09D89.6' 68=5434=49B' ; 03750' 8' 57A9D' .0C : "0' 86' 49' .20' 64"?05' C0D8""479' D06=54; 0D' 8; 7?0* 1' M 47990.' ?8"A06' .2060' .2500' C0D8""4796' 8.' > ' 35* 08=2N* 1 0 ! $ 0 ! & ! ' ! ! ' 20' 0CG : 0575' 89D' 60?058* 7.205' 34BA506* M .* , [' 35*N 1 +' # * A9' 49' 8' SA8D54B8' .20' 0CG : 0575' 68=5434=49B' =* M ' 6 : 0=4C09' : 85.48""@' 49 A50D ' 7; .8490D' $ ' , a6* 8.' .20' 27C86' 68"0*N 1 ' (82) ') ' * ' # ' ! ! ! ' 4 ' C : 0575' 49' 8' SA8D54B8' 3A""E38=0D' =57<90D' ; @' 8' ?4=.75@' 8' 3477.' 67"D405' 79' 08=2' 64D0' 73' .20' 275606* M$ ' [6* 27C86*N ' & * 1 * & # * 50E' .7548 9' B8""0@* 1 : 7 2 +' 6 ' * ' # ' ! ! ' " * C : 0575' 49' 8' SA8D54B8' 27"D49B' 8' #7C89' 08B"0* 1 # ' 6 ' * ' # ' ! ' #7C0' : 50609.G 49B' 8' B"7; 0' .7' .20' 0C : 0575' 8==7C : 8940D' ; @' .<7' 67"D4056* 1 # ' 6 ' * ' # ' ! ! ! ' " ' 44* CE' : 0575' 49' 8' SA8D54B8' =57<90D' ; @' 4=.75@' #7C0' "08D6' .20' 275606' : 50=0D0D' ; @' 67"D4056' 27"D49B' : 8"C6* 1 1 4 ' & ' C : 0575' 608.0D* 4=.75@' =57<949B' 24C' 49' .20' B57A: ' 850' =8: .4?06' <4.2' C 4.85@' 0964B96* 1 1 ! " * ! ' & ! ' C : 0575' 79' 27560;8=F' : 50=0D0D' ; @' 8' 4=.75@' 89D' 06=75.0D' ; @' 67"D4056' ; 08549B' .57: 2406' 89D' 08B"06* 246' 8""AD06' .7' &75D489L6' 6A==06606' 7?05' .20' 0564896* M 20' 3750B749B' 60?09' 850' ?8"A0D' ; @' 47990.' 8.' , > ' 35* 08=2*N # ' & * C : 0575' 057<90D' ; @' 4=G .75@' ' 89D' .2500' 7.205' 34BA506* M .* , [' 35*N 1 ' + # 4 ?6* ? <7' C 4.85@' 34BA506' 74949B' 289D6 1 (' ' * ' # ' ! ' " ' ! ! ' C : 058.75' 0SA06* 4=.75@' 89D' 67"D4056* M 20' .<7' 3750G B749B' , ' 356* 08=2' 47990.N* : * ' * ' # ' ! ! ' " ' ! ! ' # ' * 1 20' 49.05475' 73' 8' =45=A6* 9' .20' =09.50' 73' .20' + ' 46' 89' 7; 0"46F' 8.' 08=2' 73' .20' .<7' 0I.50C4.406' 850' .2500' ' 73' 8' =794= 375C* 9' .20' 3750' B57A9D' 60?058"* B57A: 6' ; .20' 3456.' .7' .20' 54B2.' 0I24;4.6' .<7' B"8D48.756' 34B2.49B' ' .20' 60=79D' .<7' <506.G "056' ' .20' .245D' .<7' ' 0I05=4649B' .20CG 60"?06' 49' .20' A60' 73' .20' ' M.20' DAC ; E

;0""6' 73' C7D059' B@C986.4=6N' .20' 37A5.2' .<7' 7.205' =7C;8..49B' <4.2' .20' =06.96' .20'343.2' 8' <7A9D0D' B"8D48.75' "0D' 79.' 73' .20' =45=A6' ;@' 89' 8:.854.75≠ 0249D' .20'5X+ '850' .<7' SA8D54B.0' D54?09' 8.' 8' 58=49B' :8=6' ;@' .2045' 506:0=.4?0' 9D' "86."@' SA4.0' 49' .20' ;8=FEB57A9D' 8' =85' D58<9' ;@' 64I' 275606' 49' <24=2' 6.89D6' .20' 0C:0575' 27"D49B' 8';589=2' 73' "8A50"' 8==7C:8940D' ;@' 4=.75@' 89D' :50G =0D0D' ;@' .2500' :50.754896' =855@49B' :8"C6* 1 I ' # ' & ' ' ' +' E 4 ' A6.' 73' &75D489A6' *' "8A5=8.0D' ="7.20D' 49' .20' + ' .20' "89=0' 506.49B' 79' 246' 54B2.' 627A"D05≠ 9' .20' 3579.' 73' 246' =A45866' .20' 0C:0575' 46' 34BA50D' 79' 27560;8=F' 7?05.257<49B'.<7' ;85;854896*

246' 3490' C79AC09.' ;0"79B6'.7'.20'"86.'@085'73' &75D489L6' 504B9≠ 75' 89' 09B58?49B' 73' .20' 50G ?0560' 600' :≠ > H≠ 28.' 73' .20' 7;?0560' 46' :"8=0D' 8.' .20' 208D' 73' .20' ;47B58:24=8" 6ACC85@' M:≠ H[N≠ 20' 754B498"≠ 46' 49' .20' ') ' ' ! ' 47990.' ?8"A06' 4.' 8.' H ' 3589=6* ' * / o " ! ' & !' M .* '35*NEEEEE ' ?7?6 4≠ SA06.5489 6.8.AO≠ M .≠ H '35*N 4 4 ' ' 4444≠ 2500' 34BA506' 608.0D' 89D' 60?058" 7.2056' 6.89D49B* 1 ≠ ≠ ≠ :≠ ,,≠ =76≠ C:0575' 49' 8' SA8D54B8* 1 ' ≠ C:0575' 79'27560;8=F≠ M .≠ > '35≠ 08=2*N ! o ' * / * ' !" * ' 8=5434=0' ;03750' 8' 57A9D' .0C:"0' 79' .20' 3540\0' 46' 49G 6=54;0D' ' 79 R ≠ M .≠ '35*N 1' 4:≠ + ≠ ≠ :≠ #7C0' 608.0D' .2500' 34BA506' 6.89D49B≠ M> '35*N / # !# ' 6' " ≠ C:0575'49'8' SA8D54B8' =57<90D' ;@' 4=.75@' :50=0D0D' ;@' 8' 67"D405≠ M '35*N :≠ ≠ #≠ :≠ ≠ =76≠ ≠ :''"7' 608.0D' 79' 8' .25790' 506.49B' 79' .20' "*350' 27"D49B' 8' "8A50"≠ ;589=2≠ 9B58?0D'49' 0975C89.' ' 6 ' :≠ a>' :4≠ ?4≠ 7≠ * / " *! 9 A' # 3# 9 A' 0=A54.@' 6.89D6' 506.49B' 20560"3' 79'8'=7"AC9* 1' 9B58?0D'49' ' 6 ' :≠ a>' :4≠ ?4≠ 7≠ * & 1 20' &7.26' 89=409.'.54;06'73'975.2G 059' A57:0' <27' 4928;4.0D' .20' ;75D056' 73' .20' 46.A"8'.7'4.6' C7A.2'49'.20' 8".4=' 08' <2050' 8.' .20' :50609.'6.89D6'.20'=4.@' 73' 89.\4=≠ 246' ;856 ;857A6' :07:"0'6:508D49B' .20C60"?06' 86' 385' 86' .20' D05' =7C;490D' <4.2' .20' 05A"4' 89D' DA549B' .20' 504B9' 73' 85=A6' A50"4A6':8660D' .20' 46.A"8' 89D' :57=00D49B' 67.A.2' 086.<85D' 86' 385' 86' .20' # ' M97<' 608' 73' 673N' .77F' :766066479' 73' 8=48' 83.05' 28?49B' =57660D' .20' 75@6.20906' M97<' .20' 940:05N≠ 3.05<85D6'.2760'<27'4928;4.0D' .20' C750' 086.059' :85.6'.7<85D6'.20' =8'=F' 08' M 79.A6' 9I49A6N' <050' =8""0D' 6.57B7.26' 75' 86.059' &7.26' .20' 7.2056' <27' D<0".'.7<85D6'.20' <06.' <050' =8""0D' 464EB7.26' 75' (06.059' &7.26≠ 2060' .<7' 98.4796'58?8B0D' 8.'D43"0509.'.4C06'C89@' :57?49=06'73'.20' #7C89'0C:450≠ 9' .20' .4C0' 73' &8 409A6' .20' <27"0' 73' 258=0' <86' D0:7:A"8.0D' ;@' .20C≠ M 84""89.*N 1 "8AD4A6' *' 8=4.A6 57;A6' 796.89.490' 89D' 246' 6796' KA"489' *' 8"09.49489' 89D' 7.205' 0C:05756' 506:0=.4?0"@' D0G 308.0D' .20C' 89D' 6A==00D0D' 49' =79349498' .2760' D067"8.49B';75D06*<4.249' .2045' 7<9' 98.A58"≠ =79G 34906≠ A.' DA549B' .20' B7?059C09.' 73' 8"=96

.20' A96' 28?49B' :8660D' .20' # ' ' =8C0' "4F0' 89' 4C:0.A7A6' .75509.'A:79' .20' &7.26' 6A;DA0D' .20' 6.57B7.26' 89D' D54?49B' .20' 464G B7.26' 357C' .2045' 90<' =7A9.5@' 06.8;"4620D' .20CG 60"?06' .2050' 49' .2045'577C≠ 20' 464B7.26' .2A6' =7C:0""0D' .7' 0C4B58.0' 8=5766' .20' 89A;0' 8::"40D' 375' 6A::75.'.7' 8"096' 89D' .28.'0C:0575' <4.27A.' 89@' .508.@' 89D' 0?09' <4.27A.' D4685C49B' .20C' B8?0'A:'.7'.2045':766066479' 8':75.479' 73' 258=0' <209=0' .20@'6779' 83.05<85D6';0B89'.7'C8F0'<85' A:79'7.205':57?49=06'73'.20'0C:450≠ 8"096':57G =00D0D'.7'8..8=F'.20C'9085' 8D54897:7"46';A.' 246' 85C@'28?49B';009'=A.'.7':40=06'89D'24C60"3' <7A9D0D';@'89'8557<'20'.77F'503AB0'49'8'=8;49' <2050'20'<86';A59.'8"4?0' > ≠ 20' 464G B7.26'49.7I4=8.0D'<4.2'.246'6A==066'<09.'79' =855@49B'3450'89D'6<75D'0?05@<2050'89D'60.' 8;7A.';0640B49B'796.89.497:"0≠ 207D764A6'.20' &508.' 8"096L'6A==06675'357C' ' H a'.7'H >' B8490D'60?058"?4=.75406'7?05'.20C'375=49B'.20C' 89D'.2045'F49B' .289854=A6'.7'6A;C4.'.7'246' "8<6≠ 3.05'.20'D08.2'73'.28.'0C:0575' Ha[N' .20' 464B7.26'0"0=.0D'375'.2045'C7985=2' "854=' <27'83.05'.20'D08.2'73' .4"4=27'.20'49.54BA49B' 89D'8C;4.47A6'C4946.05'73' 7975490' 49?8D0D' .8"@'89D';0640B0D'#7C0'<24=2'<86'7;"4B0D'.7' :8@ 208?@'58967C'9 ' N≠ 20'37""7<49B' @085'#7C0'8B849';0640B0D';@'.20' 464B7.24=' F49B'<86'.8F09';@'24C'89D'546=A6'..8496' <86':57="84C0D'0C:0575'A9D05'246':57.0=.479≠ 9' ' ' , ' ..8496'<86'D0:760D';@' "854=' <27'<86'.209'79'.20':749.'73'=79="AD49B' 8' .508.@'<4.2'7A754A6≠ A.'49' 34.'73'4554.8.479' 89D'=8:54=0'.20'464B7.2'57F0'733'246'9tB7=48G .4796'<4.2'.20'0C:0575'89D'506.750D'.7' ..8496' .20'4C:0548"'.4."0' ;A.'8"C76.'4CC0D48.0"@'8B849' D0:54?0D'24C'73'4.≠ 0'.209'C85=20D'.7'#7C0' <24=2'20'.77F'89D':4""8B0D≠ "854=' D40D' ' ' , ' ' 89D'<86'6A==00D0D';@'246';57.205E49E"8<' .8A":;A6'<27'83.05' .4C0'50.450D'<4.2'246' 85C@'49.7'&8A"'<2050'20'496.4.A.0D'.20'F49BG D7C'73'.20' 464B7.26'49' SA4.8948'89D'&8""48' 85;799096'46' M649=0'=8""0D' 89BA0D7=N' 89D' .8"@'<86'79=0'C750'"03.'3500'357C'49?8D056* 9' ' ' D78=05'F49B'73'.20' 05A"4' ;049B'49?4.0D';@'.20':85.@'73'KA94A6' 0:76'.7' 09.05'.8"@'<4.2'8'?86.'85C@'73';85;854896'=7CG :0""0D'.20'.209'504B949B'89D'"86.' C440575'73'.20' (06.' o ' & ' .7' 8;D4=8.0'246' .25790'89D'50.450'86'89'0I4"0'49.7' 8C:8948≠ 9' '.20'86.059'75' 6.57B7.26'<050'=8""0D' 49'.7'.20'86646.89=0'73'n097' C:0575'73'.20'86.' 8B8496.' D78=05'89D'.20'506A"." 83.05' C89@' ;8.."06'<86'.2045'8C8"B8C8.479'49' .8"@'<4.2' .20' 094"4'89D'.20'37A9D8.479'49' 8'F49BD7C' .2050'A9D05' 207D754=A6'<27'D40D'[>≠ 20' &7.24=' C7985=2@' 49' .8"@' "86.0D' 357C' .28.' :0547D'.4""≠ .20'@085'[[H 1 ' @0856' 89D' .20' 605406'73'4.6'F49B6'46 1 207D754=A6' .;8"8540A6' 207D828.A6' (4.4B06' 4"D4;8"DA6' 5854=A6' 8D90"8' 20486≠ .'<86'.2060'D48D0C0D'=24036' 73' .20'285D@'975.2059'<8554756'<27'A9D05'.20' 6A==0664?0'504B96'73' 986.864A6'KA6.49A6'89D' KA6.49489A6'7==A:40D' .20'<06.059'608.'73'.20' #7C89'0C:450'4.6' T' .0598"≠ 4.@'U'<24"6.' ^67C0.4C06';"A9D050D'49.7' ' ' P' 89D' .20' 98C0' 73' 67C0' &7.24=' 6

H & *1&# *

44B950D' 49' 6.589B0' =7C:89479624:' 79' =7496' 73' .20' 4C:0548'' 605406' 1 00' 47990.'89D' F05C89*

& '.28.'46'.7'68@' 4 ' 'M69;E D90DN'46'508D'79'.20'0I05BA0'73'8'?05@'5850'B7"D' =749' 73' 796.89.490' .20' &508.' .20'0:4B58:2'73' <24=2'46'

' & '

89D'.20'.@:0'.<7'C4"4.85@'34BA506'6.89D49B'.20' 289D'73'790'M50:50609.49B'.20'0C:0575N' 506.49B' 79'.20'208D'73'8'@7A.2';@'246'64DO*

246'649BA"85'=749'50"8.06'.7'.20'@085' >>' <209' 796.89.490'7?05=8C0'.20'&7.26'89D' 85E C8.4896'49'50:08.0D';8.."06';7.2'49'" @548'89D' 49' 60648 1.20'50C989.6'73'<27C'3"0049B';0@79D .20' 89A;0'20':A56A0D'8=5766'.28.'54?05'8B849' 7?05.250<'89D':A94620D'<4.2'89'8"C76.'0I.05G C498.49B'6"8AB2.05# M 84 89.'444*' :* N*1 9' .246' 64B98'' 6A==066'.20'0C:0575'<86'=79B58G .A"8.0D';@'8'=749'6.5A=F'8.'50?06E<209=0'.20' <75D6'& ' 6 ';@'.20'C49.'73'<24=2' =7"79@'.20'0I:"74.6'73'0C:05756'<050'67C0.4C06' =7CC0C758.0D*1 89D954*

& # 4 ('=7496'73' "8AD4A6' 69C8C0D'&7.24=A6'97.'79"@'86'8'D46.49=.479' 7C'.20'375C05'0C:0575'73'.28.'98C0';A.'8"67' 79'8==7A9.'73'8'64B98'' ?4=.75@'B8490D';@'24C' 7?05'.20'&7.26*

& *1 20'6A598C0'49'.20'D8.4?0'=860' =7930550D'79'.20'8;7?0'C09.4790D' "8AD4A6'<27' 504B90D'.<7'=09.A5406'89D'C750'83.05'.20'3456.' "8AD4A6'89D';03750' 950"489A6'# 0?058'' 73'246' =7496';085'.496'.4.A"85'=7B97C09'89D'.2060' <050'6.5A=F'86'<0''' DA549B'246'"430E.4C0'86'83.05' 246'D08.2'?4*/1 $!" ' !" ' # ! ' 4 =4:4 1 89D' 4?7' " ! ' !" 1 89E' DA54'4#'::#H[HEH[*

& *1 246'8:0""8.479'M68@8' 89E' DA54N'<86'34."@'B4?09'.7'.28.' ' '<27'50G =7?050D' 8=48'.7'.20'0C:450'89D'=79SA050D'.20' =@.24896'89D'.20'/ '28?49B'3456.'73'8''''50G :0""0D'357C'.20'#7C89'.0554.75@'79'455A:.479'73' &7.26'89D' 85C8.48A6'<2760':=A:4D4.@'73':"A9G D05'20':A94620D';@'8'64B98'' 6"8AB2.05'.7'.20' 8C7A9.'M8==75D49B'.7'246.754896N'73'.2500'2A9G D50D'89D'.<09.@'.27A689D'C09# 09=0'<0' 508D'79'246'=7496'! #' " $' "0 ! '& $' 77 4=?6*1 20'68C0'6A598C0'73'&7.24=A6'<86' 8664B90D';@'.20' 098.0'.7' 57;A6';A.'4.'97' <2050'7==A56'79'.28.'0C:0575L6'=7496*

&# *1&# *1 4 *1 A598C0'73' .20' 0C:57948'B096*

&# '"4 '8'.5896"8.479'73'.20'&500F + 7' 20'.2500'B7DD0660 6'73'38?7A5'"7?0G "49066'89D';090?7"09=0'# 20@'<050'506:0=.4?0"@' 98C0D'.20'3456.'B"848' M<24=2'C0896' 75' 08A.@N'.20'60=79D' A:2576@90'M.28.'46'J 438E %m' 89D'.20'.245D' 28"48''"! %' A.' .20'89=409.6'<050'97.' C750'8B500D'506:0=.49B' .20'9AC;05'73'.20'&58=06' .289'86'.7'.2045':8509.G 8B0''67C0'C8F49B'.20C'.20'D8AB2.056'73'KA:4G .05'7.2056'8664B949B'.7' 8==2A6'.20'2797A5'73' .2045':8.0594.@# 7C05'D06=54;06'.20C'86'0CG :"7@0D'49'8..09D89=0'79' 09A6'89D'.20'7.205

&# b## *1&# *

C76.';08A.43A'' 73'.20'B7DD06606# 9'?8547A6' :85.6'73'&500=0'.2050'<050'.0C:"06'D0D4=8.0D'.7' .2045'<75624:'86'.20'8=F97<"0DB0D':8.57906606' 73'503490C09.'B09."09066'89D'C7D058.479'49' 67=48'' 49.05=7A560# 20'C76.':0530=.'<75F6'73' 85.'<050'.20503750'=8""0D'.20'<75F6'73'.20'&58=06# 1 20@'850'50:50609.0D'79'C89@'89=409.';86E 50"4036'89D'49'.<7'75'C750'9AC46C8.4=' C79AG C09.6'86';08A.43A'' <7C09'6.89D49B'.7B0.205' 09.450"@'A9D58:0D'.20'=09.58'' 34BA50' 28?49B'89' 85C':"8=0D'08=2'79'8'627A"D05'73'.20'7.205'.<7# 20@'.2A6'D46:"8@'86'43'49'8'D89=49B'8..4.AD0' 6@CC0.205@'73':05679'=7C;4949B'<4.2'0"0B89=0' 73'C7?0C09.'A98D7590D';08A.@'A9=796=47A6' 73'73309=0'.7'C7D06.@'D064B90D'.7'49D4=8.0'.20' =796.89.'50=4:57=8.479'73'F49D9066'89D'35409DG 624:'<4.27A.'=79=08"C09.'75'50605?0';A.'A9G .849.0D';@'89@C4I.A50'73'?7"A:.A7A6'38C4G "4854.@# A=2'<86'.20'609.4C09.8'' B"766':A.';@' .20'4C8B498.4?0'&500F6'79'.20'SA06.4798;"0' 0I24;4.479'73'.2500'@7A9B'?45B496'49'8'6.8.0'73' 9AD4.@*1.'46'68@6 :89204C'M49'246' ' - -'97.'D468B5008;"0'.7'600'.20'34BA506'73'.20' &58=06'86'.20@'850'37A9D'79'89=409.'=7496'=79G 375C8;"0'.7'.2760'<24=2'.20':70.6'D06=54;0'.7' A6# 20'790'M600'3750B749B'<77DE=A.N'<86'D0D4G =8.0D'.7'"0I89D05'0?05A6';@'8'=4.@'73' 258=0' =8""0D'4 o !''8o''!'("!%!"'^75' 8=0964G0' 7 o '^75'. o'89D'.20'7.205';085G 49B'8'&500F'"0B09D'6.5A=F';@'.20'4928;4.89.6' 73';+'49'.20'68C0'=7A9.5@*1 00' . ':#H>*1 00'8"67' 84 89.'' ' b#,,*

&# ## '8'#7C89' + '73' 46:8948' 8558=7909646'97<' ' 9085' A54867'49'558B79#.'<86'89=409."@'=8 0D' ';A.'=289B0D'4.6'98C0'49'2797A5'73' 4.A6' 0C:5794A6'&58==2A6'<27'50:8450D'4.' 83.05'246'?4=.7540 6'7?3'.20'0".4;054896#.':50G 605?0D'.20'C0C75@'73'246'98C0';@'8'60=79D' ;5866'=749'79'.20'7;?0560'73'<24=2'46'4# " 3.' '4?4#'&'8AD'.20''89508.0D'208D'73' 4;054A6#'9'.20'50?0560' !''!#9! A' * "." # 20'.@:0'46'89'71'6.89D49B'8D7590D' <4.2'.20'$ '75'?04"'86'8'?4=.4C*1 9B58?0D' 49' 84 89.'' '*1 00' F05C89' ' ' $' ' ' '# ':# a*

&# '4 '375C05"@'.20'C76.'50G 97<90D'375':7"4.@'89D'=4?4"4\8.479'89D'6.4"'' .20' C76.'="8664=8""@'49.0506.49B'=7A9.5@'49' A57:0# 20'?86.'50B479'.7'<24=2'.246'98C0'89D'.28.'73' 0 86'<050'B09058""@'B4?09'=7C:50209D0D'.7' .20'67A.2';0"7<' 49A6' 7549.248=A6'M&A"3'73' 0:89.7N'89D'49A6'8579=A6'M&A"3'73' B498N' 8'B508.':09496A"8'=8 0D'.20'0"7:79066A6'M 7508N' 1 89D'.246'=79.8490D'.7'.20'<06.'.20'60?058"'6.8.' 73' =2848'"46'89D'5=8D48'.7'.20'67A.2E<06.' 0660948'.7'.20'086.'7549.2'0B8546'..4=8' M49="AD49B'.20'=4.@'73'.2096N'89D'5B7"46'.7' .20'67A.2E086.'8=d94=8# 20'975.2059'B508.' D4?4647 9'73'4 ' 0 '=7C:5460D'357C'<06.' .7'086.'=8598948'*+.7"48'7=547\7"00' 7546' 27=46'707.48 1 89D'6.50.=249B'CA=2'3A5.205'49' .20'68C0'975.2<85D'D450=.479'.20'C750'0I.09G 64?0'F49BD7C6'8AD'.0554.75406'03' :45A6'206E 68"48'89D' 8=0D7948# 3'.20'&500=489'46"89D6

:549=0' 46' ;@' 8' C86.05E289D' 375' 34D0"4.@' D46=54E' 4949A.479' 89D' ADBC09.' 49' .20' :57?49=0' 73' ;47G B58:24=8"≠ <54.49B/1

T' 8D5489L6'98C0' D0605?06' .7' ;0' 289D0D' D7<9' .7' :76.054.@' 8C79B' .2760' 73' .20' B508.06.' ;090E 3==.74L6' 73' .20' #7C89' 0C:450' .27AB2' 246' C054.6' <050' .8594620D' ;@' =54C06' 73' B508.' C8B94.AD0' 89D' ;@ ?4=06' 73' .20' <756.' D06=54:.479*1 3' <0' =50D4.' .20' 8==7A9.6' 73' 246' "430' 3.4594620D' ;@' 246' ;47B58:205' :85.489A6' 89D' ;@' 479' 8664A6' <0' 628"≠ 349D' .28.' .2050' <86' 97' 0C:0575' <27' 09.05G 0D' C750' 49.7' .20' C76.' C49A.0' D0.84"6' 86' <0"≠ 86' 49.7' .20' 24B206.':=79=0596' 73' B7?059C09.≠ 7<' 49D038.4B8;"0' 20' <86' 49' ?464.49B' 8"≠ .20' :57?49006' 73' .20' 0C:450' 89D' 49?06.4B8.49B' 49' :05679' .2045' 506:0=.4?0' B540?89=06' 27<' 60?050' 89' 018=.75' 73' CD4.85@' D46=4:"490' 89D' 27<' 508D@' .7' 62850' .20' DA.406' 97.' 79"@' 73' 8' B09058"' ;A.' 73' 8' :54?8.0' 67"D405' 8' 5030509=0' .7' 246' =7496' 8.375D6' 350SA09.' 7:.75.A94.406' 73' :57?49B' ^86' 286' 8"508D@' ;009' 620<9' 89D' <4' =79.49A0' .7' ;0' 620<9' 49' .246' D4=.47985@*0' 7A5.07A6' 49' 246' D0C0897A5'.7' 8"≠ :056796' 20' <86' 49' .20' =796.89.' 28;4.' 73' 74949B' .20' 67=48" C00. :B6' 73' 246' 35409D6' .20' 64=F' .27AB2' 73' CA=2' "7<05' 589F' 20' A60D' .7' ?464.' .<7' 75' .2500' .4C06' 8' D8@' 89D' =2005' .20C' <4.2' 09=7A58B0C09.' 49' 6275.' =79DA=.0D' 24C60"3' 49' 8"≠ 506:0=.6' 86' 8' :54?8.0' 49D4?4DA8"≠ 6' 49' 67=48"≠ "430' 67' 49' :A;"4=' 246' "4;058"4.@' <86' D46G :"8@0D' 49' 246' 50C4..49B'.7' .20' 98.479' *A*=*' ,' ¯ ¯ ,, N' 89' 0975C7A6' D0;.' .7' .20' .5086A5@' 89D' 50"40?49B' .20' :57?49=06' <24=2' 28D' 6A33050D' "766' ;@' C790@' 6A:-"40D' 357C' 246' :54?8.0' 50G 67A5=06' 8"67' 49' .20' 050=.479' 73' .0C:"06' 73' .20' B508.06.'6:"09D7A5'06:0=48""@' 8.' .2096'73'<24=2' =4.@' 20' <86' ?05@' 379D' 89D' 49' .20' =796.5A=.479' 73' 8SA0DA=.6' 89D' :75.6' ;@' <24=2' 20' =796A".0D' ;7.2' .20' 7598C09.' 89D' .20' A.4"4.@' 73' .20' D4330509.' =4.406*1 2050' 46' 6.4' .7' ;0' .009' 8.'#7C0' 8' C8AG 67"0AC' 73' ?86.' :57:75.4796' ;A4".' ;@' 24C' 9085' .20' 4;05'8==A58.0"@' D06=54;0D';@' 57=7:4A6'M97<' <= EF97<9' A9D05' .20' 98C0' 73' .20' =86."0' 73' .≠ 9B0"7N' 8"67' .20' 50C8496' 73' .20' .7<9' 73' 4;A5'8' "86.49B' C79AC09.' 73' 246' C8B9434=09=0' <2050' 86' :85.489' 50"8.06' 20' ;C".' 24C60"3'8'?4""8' 89D' 49G .57DA=0D' .20' 97?0".@' 73' 496=54;49B' 79' 4.6' 60?058"≠ :85.6' .20' 98C06' 73' .20' C76.' =0"0;58.0D' :57?49=06' 89D' "7=8"4.406' 6A=2' 86' .20' @=0AC' .20' =8D0G C48' .20' 5@.890AC' 897:A6' 80=4"0' 89D' 058:0≠ ".27AB2' 357C' .20' C7C09.' 73' 246' 8==066479' .7' 0C:450' 20' D0?7.0D' 246' <27"0' 8..09G .479' .7' .20' :50605?8.479' 73' :08=0' .257AB27A.' .20' <75"Do49' :A56A89=0' 73' <24=2' :7"4=@' 20' ?7"A9G .854"@' =0D0D' 5C0948' 89D' .20' 7.205' 50B4796' ;0@79D' .20' A:258.06' 86' ;049B' 8' :05:0.A8"≠ 27.E;0D' 73' <85' @0.' 20' D4D' 97.' :05C4.' .20' 67"D4056' .7' ;0=7C0' 0905?8.0D' ;@' 498=.479' 2A.' F0:.' .20C' 0?05' 79' .20' 8"05.' 89D' 49' .20' :58=.4=0' 73' 85C6' 8' =45=AC6.89=0' <24=2' 509D050D' 24C' =796.89."@' 375C4D8;"0' .7' 37504B9' :7<056' 89D' .20' C750' 508D@' .7' 6A::5066' 8BB5066479' .28.' 20' 90?05' 24C60"3'.77F' .20' 494.48.4?0*

T C4D6.' .2060' <04B2.@' =8506' 73' 6.8.0' 20' 6.4"≠ 37A9D' .4C0' .7' ;06.7<' 79' 246' ;7D4"@' 0105G =460' 89D' 49.0"""0=.A8"≠ :A56A4.6"≠ 46' =7496' ;085' <4.9066' .7' 246' A9.4549B' "7?0' 73' .20' =28=0"≠ 7' &50=489' "4.058.A50' 20' <86' 357C' 246';7@277D' 67' H' H

D0?7.0D' .28.' 20' <86' =8"""0D' ;@' C89@' 4 5' 0' <86' 8' :5734=409.' 97.' 79"@' 49' 854.2C0.4=' B07C0.5@' :849.49B' 89D' CA64=' ;A.' 0?09' 49' .20' 85.6' 73' C7A"D49B' 49' ;5866' 89D' =2460"""49B' 49' C85;"0' <20.205' 49D00D' 49' 6A=2' 8' C89905' 86' .7' 54?8"≠ .20' 7"@=".0.4' 89D' A:2589756' <0' 28?0' 79"@' .20' .06.4C79@' 73' 4=.75' .7' 866A50' A6"≠ 0' <86' 67' 379D' 73' .58?0""49B' .28.' 20' <4620D' .7' ?0543@' ;@' :056798"≠ 496:0=.479' 8"""≠ .20' 8==7A9.6' <24=2' 20' 28D'508D' 73' D4330509.' :85.6' 73' .20' <75"D"≠ 46' 01.50C0' 8DD4=.479' .7' 6096A8"≠ :"086A506' .7' .20' 01.09.' 73' 49DA"B09=0' 49' :57:0964.406' 97.' .7' ;0' 98C0D' 975' 0?09' .7' ;0' 8 AD0D.7' <86' 837A"≠ 89D' D0.06.8;"0' ;"7.'A:79' 246' =2858=.05"≠ 20' 4938.A8.0D' 8..8=2C09.' <24=2' 20' C894306.0D' 375' A.497A6' 89D' 246' 4""E.508.C09.' 73' 89' 8C48;"0' <430' =8997.' ;0' .77' 60?050"@' 50:57;8.0D"≠ .' 46' 8' C8..05' 73' 246G .75@' .28.' 246' "7?0' 73' :08=0' =85540D' 24C' ;0@79D' ;7A9D6' 8.' 8 ' =79646.09.' <4.2' .20' 2797A5' 73' .20' 0C:450"≠ 75' .28.' 20' <86' 49' .20' 28;4.' 73' ;54;49B' 37504B9' :7<056' .7' 3750B7' .2045' 7330964?0' D064B96' 46' 6.8.0D' 97.' 79"@' ;@' 479' 2A.' 4=.75' 8"67' C750' 7:09"@' =285B06' 24C' <4.2' ;786.49B' 83.05' :A5G =28649B' :8=434=' 50"8.479'6' 357C' C89@' F49B6' .28.' 20' 28D' B8490D' C750' <4.27A.' 6.45549B' 377.' .289' 7.2056' 28D' ;@' .2045' =8C:84B96"≠ A.' CA=2' C750' 38.8"≠ 49' 4.6' 0330=.6' <86' .20' 6:454.' 73' 09?@' 49' <24=2' 20' :0560=A.0D' .2760' <27' 01=0"""0D' 49' 89@' 73' .20' 85.6' B749B' 0?09' 67' 385' 86' .7' :A.' 67C0' 73' .20C' .7' D08.2' 8C79B' <27C' <050' A:258.06' 8' =0"0;58.0D' :24"767:205' 73' .20' :0547D' 89D' :7"""7D75A6' 8C86=09A6' .20' 85=24G .0=.' 73' .20' 75AC' 73' 58 89' 89D' .20' ;54DB0' 7?05' .20' 89A;0' 98@' C89@' 28?0' 6A:-:760D' .28.' 8' D06450' 73' :08=0' 89D' :A;"4=' .58ASA4 4.@' <86' ;A.' 89' 76.0964;"0' 508679' 375' .20' 50"49SA462C09.' 73' 5C0948' 89D' 7.205' :57?49=06' 89D' .20' D46G C89."49B' 73' .20' 38C7A6' ;54DB0' 7?05' .20' 89A;0' .20' 8=.A8"≠ 790' ;049B' 246' 09?@' 73' 58 89L6' 50G 97<9"≠ 46' =2858=.05' 86' D58<9' ;@' :85.489' 46' 3A""≠ 73' =79.58D4=.4796' 620<49B' 24C' 8.' 790' .4C0' =20053A"' "4;058"' 89D' C05=43A"' 8.' 897.205' 60?050' 7;6.498.0' :0534D47A6' 89D' =5A0"≠ 20' 689BA4985@' D46:764.479' 49D00D' <24=2' 8.' .20' =7CC09=0C09.' 73' 246' 504B9' 20' D46:"8@0D' 49' :A..49B' 60?058"≠ 0C4G 909.' C09' .7' D08.2' ;57F0' 7A.' <4.2' 6.433' B508.05' ?47"09=0' 49' .20' "8.05' @0856' 73' 246' "430' <209' 67A5G 9066' 73' .0C:05'6A:05?090D' A:79' .20' 6A330549B6' 73' D460860' 89D' 8' C75;4D' 6A6:4=479' .77F' :766066479' 73' 246' C49D' <24=2' :57C:.0D' 24C' .7' .8F0' .20' "4?06' 73' .20' C76.' D46.49BA4620D' C09' 49' .20' 6.8.0' 89D' C89@' 73' =796A"85' 589F' 79' .20' =285B0' 73' =20546249B' D064B96'A:79' .20' 67?0504B9.@*LL1 00' . ' ?4≠ H' .7' *

0' <86' ;A540D' 3456.' 8.' A.07"4' 49' .20' ?4""8' 73' 4=057' 89D' 6A;60SA09."@' 246' 86206' <050' .5896G 30550D' .7' #7C0' 89D' D0:764.0D' 49' .20' .7C;' <24=2' 20' 28D';A4".' 375' 24C60"3' 79' .20' ;89F6' 73' .20' 4;05*

; ' 49' .20' 3456.' 496.89=0' 97.' 79"@' .77F' .20' 98C0' 73' 58 89' ^ # ' # E ' #0' ;A.' 20' 8"67' =8""0D' 24C60"3' ! ' 1+ ' 7 .' 89D' 8"67' .20' B589D679' 73' 05?8' ^ ≠ ≠ # ' ' #≠ # ≠ ≠ *Q' 3.05<85D6' .20' 6.@"0' 89D' .4."0' 73' .246' :549=0' 86' 6.5A=F' 79' 246' C790@' <050' 375' .20' C76.' :85.' #

& ' *' *' <4.2' .20' 8DD4.479 ' .7<85D6' .20' ="760' 73' 246' 504B9 ' 73' '

9' ; I ' =7496 ' 83.05' *' *' , , ' <0' 508D' *' *' #*' *' *' 9D' 357C' ' , ,a' .7' ,H ' #*' *' *' .7' + + *' *' *' *' *' *' *' *'

75' 357C' *' *' ' 7 ' , ,a ' .20' 9AC ; 05' 73' .20' =796A"8.06' 46' 97' "79B05' 50 : 08.0D ' 975' 850' .20' 6A=G =0664?0' 49?06.4.A506' 73' .20' .54 ; A94.489' : 7<05' 89@' "79B05' 50=75D0D ' 8' =45=AC6.89=0' <24=2' 509D056' 4.' 67' D4334=A".' .7' C85F' .20' D8.0' 73' 246' C49.8B06*' 20' 6A ; 7490D' 7 ; 605?8.479' 79' .20') ' 73' 8D5489'G'=7496' 850' 357C' 7F20"' ?4*' '0.' 60S*/

456."@* 1 28.' 8D5489' 8 : : 0856' 79' .20C ' 375' .20' C76.' : 85. ' <4.2') ' ' <24=2' 46' 73' "066' 350SA09.' 7==A5509=0' 49' .20' 0C : 05756' 4CC0D48.0"@' : 5000D4AB' 89D' 37""7<49B' 24C*' 7C0' 6A : : 760' .28.' .246' 854606' 357C' .20' 38=.' .28. ' 8==75D49B' .7' 246' ; 47B58 : 205' : 85.48996 ' T' 20' <86' 67' 49D43305G 09.' .7' =7"D' 89D' <08.205' .28.' 20' 90?05' =7?050D' 246' 208D*U' 9D' .246' .06.4C79@' 46' =79345C0D' ; @' 479'd T' 20' =7A"D' 97.' ; 0' 49DA=0D' ; @' 89@' 01.50G C4.@' 73' 208.' 75' =7"D' .7' B7' <4.2' 246' 208D' =7?050D ' 375' 0?09' 8C4D6.' .20' 0".4=' 697<6 ' 89D' .20' ; A5949B' 6A96' 73' B@ : .' 20' 8"<8@6 .58?0""0D' <4.2' 246' 208D' ; 850*U' 246' : 58=.4=0 ' 27<0?05 ' <86' 0?09.A8""@' 38.8*' .7' 24C ' 375' 8==75D49B' .7' .20' 68C0' <54.05 ' T' 83.05'.58?0""49B' 49' 0?05@' D450=G .479' <4.2' 97' =7?0549B' .7' 246' 208D ' 89D' B09058""@' 8C4D6.' 6.75C6' 73' <0.' 89D' =7"D ' 20' 8.' "09B.2' 30""* 8' ?4=.4C' .7' D460860*U

0=79D"@* 1 20' ; 085D' 46' 8"67' 8' 97?0".@ ' 86' <0' B8.205' 97.' 79"@' 357C' =7496 ' ; A.' 357C' .20' 01 : 5066' 6.8.0C09.' 73' 479 1 T' 4*75' 8D5489 U' 20' 68@6' e¢ <86' .20' 3456.' 0C : 0575' <27' 8""76=0D' 246' ; 085D' .7' B57<*U' V ((' 600 ' 49D0OD' .28.' 79' =7496 ' ; 7.2' ABA6.A6' 89D' 057' D46 : "8@' 8' 6C8"" ; 085D ' 2A.' 49' .2045' =8606 ' 86' <0' 28?0' ; 03750' 50C85F0D ' .20' 508679' 375' 4.6' 8 : : 08589=0' <86' 04.205' 67C0' 7==86479' 73' : A ; "4=' C7A5949B ' 75' .28.' .2045' 8B0' <86' 97.' 6A334=409.' .7' 8DC4.' 73' .2045' "8@49B' 864D0' .2045' ; 085D ' 49' 8==75D89=0' <4.2' 89=409.' =A6.7C*' : 85.489' 68@6 ' .28.' .20' C7.4?0' 49' 8D5489G'=860' <86' T' .28.' 20' C4B2.' =79=08*' 67C0' 98.A58*" ; "0G C46206' 79' .20' 38=0*U' A.' ' 6A6 : 0=.' .28.' 89G 7.205' C7.4?0' <86' 8.' .20' ; 7..7C' 73' .246' 3862479 ' ?4*' .28.' 20' <86' C750' =796.89.' 49' 246' D0?7.479' .7' .20' 6.AD@' 73' : 24""767 : 2@' .289' 4.6' : 573066756' <050' .7' .20' =A".4?8.479' 73' .2045' ; 085D6 ' * 9D' .28.' 6A=2' <86' .20' ?40<' 73' .20' 6A ; 0=.' .8F09' ; @' .20' C : 0575' KA"489' 46' 0?4D09.' 357C' .20' 3449B' 20' 286' 8.' 24C' 49' 246' ' 1 T' 3.05' 24C' M 58G 89* 8 : : 0856' 8' ?09058 ; "0' 7"D' C89 ' <4.2' 8' "79B' ; 085D*' 0' ' ' 4"09A6 ' 7 ; 605?49B' 249.' 350G SA09."@' "43.49B' A : ' 246' 0@06' .7' 208?09 ' 89D' 8914G 7A6"@' 09SA549B' 83.05' 8 ; 6.5A60' 6A ; 0=.6 ' 01="84C6 ' <28.' .249F' @7A' 73' .246' 7 : 246.' zU' 05.849"@' 4.' 46' <0"" F97<9 ' .28.' 8D5489' B508."@' 09=7A5G 8B0D' .20' 7 : 246.6 ' <4.2' .20' 01=0 : .479' 73' .2760' 8B8496.' <27C' 20' 09.05.8490D' 300"49B6' 73' 09?@' 89D' : 85.489' 49375C6' A6 ' .28.' 8.' .20' CA60AC' 49' "0189D548 ' 20' : 57 : 760D' C89@' SA06.479 6' .7' .20' : 573066756 ' <24=2' 20' 896<050D' 24C60"3 ' 89D' .28.' .20' 67"0' 508679' 375' 246' 8..8=2C09.' .7' .2096' <86' 4.6' "79B' 06.8 ; "4620D' 50 : A.8.479' 375' .20' 09G =7A58B0C09.' 73' : 24"767 : 2@*' 46' 4CC0D48.0' 6A==066756' 49' .20' 0C : 450 ' D0?7.49B' .2045' 8..09E' 4479' <4.2' 0SA8"' 85D7C*' .7' .2060' : A56A4.6 ' 8"67

8 7<0D' .2045' ; 085D6' .7' B57< ' AA"066' : 85.489' <7A"D' 28?0' A6' ; 0"40?0 ' .28.' .20@' .77' <050' D0G 6457A6' 73' 24D49B' : 056798"' D030=.6*' 20' 3862479 ' .2A6' 49.57DA=0D' 49' =7990I479' <4.2' : 24"767 : 24=8"' 28 ; 4.6 ' ; 0=8C0' 49' 6A ; 60SA09.' 0C : 05756' 8' C050' =A6.7C ' 67' .28.' 375' 8' "79B' : 0547D ' 8""' .20' 0CG : 05756 ' 27<0?05 "4.."0' 8DD4=.0D' .7' "085949B ' 6.4"" : 05646.0D' 49' <08549B' .20' ; 085D* 1 00' $ 3$ ' : :* ,>H ' ,> *

245D"@* 1 (270?05' <4""* 496 : 0=.' 8..09.4?0"@' .20' =7496' 73' 8D5489 ' =8997.' 384"*' .7' 50C85F ' .28.' 79' .2760' 6.5A=F' 49' 246' 3456.' 89D' 60=79D' =796A"8.06 ' .2050' 8 : : 0856' 58.205' 8') ' .289' 8' 208D' 73' .20' 0C : 0575 ' 49' 7.205*<75D6 ' 8' : 75G .584.' 49=" AD49B' .20' B508.05' : 75.479' 73' .20' ; 5086.' 89D' .20' ; 8=F ' 8"67' 8' =7964D058 ; "0' .2499066' 49' .20' 38=0' 89D' 6285 : 9066' 73' .20' =249 ' 89D' 3A5.205' .28.' .20' 496=54 : .479' 8==7C : 89@49B' 6A=2' ; A6.6' =79.49A06' .7' B4?0' .20' 98C0' 73' $! !' 49' 50G 30509=0' .7' 246' 8D7 : .479 ' <205086 ' 6A ; 60SA09."@' <2050' .20' 208D ' 89D' 97.' .20' ; A6. ' 46' D46 : "8@0D' 89D' .28.' .77' <4.2' 3A""05' 308.A506 ' .20' 98C0' 46' 49?8548 ; "@' 8 ; 609.#' 9D' .246' : 0=A"4854.@ ' ; 7.2' 73' .20' : 75.584.' 89D' .20' "0B09D ' 46' 7 ; 605?0D' 8"67' 79' 67C0' =7496' 73' .20' .245D' =796A"8.0*' 2=9=0' 4.' 37""7<6 ' .28.' DA549B' .20' 3456.' @085' 73' 246' .245D' =796A"8.0 ' .20' 754B498"' C7D0' 73' : 7A5.58@49B' 89D' 496=54 ; 49B' <86' 50.849 0D ' 89D' =7960SA09."@' .28.' 8 ' 69=2' =7496' CA6.' ; 0' 5030550D' .7' .20' ; 0B49949B' 73' 796A"8.0' *

7A5.2"@* 1 B849 ' .20' =A6.7C' 73' A649B' .20' ' ' 49' .20' "0B09D ' ; 7557<0D' 357C' .20' =7498B0' 73' 58 89 ' 46' 7 ; 605?0D' 6.4""* 49' 375=0' DA549B' .20' 3456.' =796A"8.0' 73' 8D5489 ' 75' .20' @085' A*'=*' ' 9 ' ' K*, N*' 0?05.20"066 ' 8.' .20' 09D' 73' .20' @085 ' 49' <24=2' 20' 46' 6.@"0D ' =76*' *' 9*' .20' $ ' ' ; 0B496' .7' .8F0' 4.6' : "8=0*' 2050' 850' 8' ?05@' 30<' =7496' 73' .20' 60=79D' =796A"8.0 ' <24=2' 50.849' .20' '

; ' =85540D' 246' D46 : "8@' 73' 50?0509=0' 89D' 8330=.479' 375' 246' : 8509.6 ' ; @' 8D7 : .479 ' . 7' 67' 24B2' 8' : 4.=2 ' 86' .7' =8A60' 8' B7"D' =749' .7' ; 0' 6.5A=F' <4.2' .20' 0 : 4B58 : 2' 73' 9 4?46' * $!$ ' 89D' .20' 208D6' 73' 58 89' 89D' "7.498' 79' .20' 50?0560 ' 89D' 7.2056' <4.2' .20' 208D' 73' 58 89' 89D' .20' 496=54 : G .479' 4?7' $! ' # $!' 75' # $!' = ' 75' (' ' &*' M 00' :* HH[*N

; I ' ?8547A6' 89D' =79.49A8*' 79C0@49B6' 8C79B6.' .20' : 57?49=06' 73' .20' #7C89' <75"D 1 86' 375' 018C : "0' 49.7' &8A" ' &05C89@ ' 54.849 ' : 849 ' 354=8 ' 8A50.8948 ' 648 ' =2848 ' B@ : .' =* 850' 98558.0D' ; @' : 85.48996' 89D' ; @' A50"4A6' 4=.75*' 7' C09.479 ' 27<0?05 ' 46' C8D0' 49 ' 246' =7496' 73' .20' <75D' + $ ' 86' <0' 349D' 4.' 9#3 .' 47' &*N' 79' .20' =7496' 73' 6A==00D49B' 0CG : 05756*' A.' 79' .20' 7.205' 289D' <0' 349D' .20' =7CG C0C758.479' 73' 8554?8"6' 9 A' 97' <2050' C750' 9AC057A6"@' 75' C750' =A547A6"@' 01 24 ; 4.0D' 79' 89@' 73' .20' 4C : 0548"' 60540'6' .289' 79' .20' =7496' 73' 8D5489*' 246' B07B58 : 24=8"*' =866' 73' C0D8"6' : 50609.' 79' .2045' 7 ; ?0560' .20' "89508.0D' 208D' 73' 8D5489 ' 89D' 79' .20' 50?0560' .20' 0C : 0575' 89D' 897.205' 34BA50 ' B09058""@' 8' <7C89' 49' .20' 8=.' 73' : 05375C49B' 68=5434=0' 89D' 67C0.4C06' 8' ?4=.4C' ; 03750' .20' 8".85 ' ; 08549B' 375' 496=54 : .479' .20' <75D6' ' 75' ' : 5034I0D' .7' .20

(2050A : 79 05?4A6 50C85F6 . 28 . 20 890409 . #7C896 : 50609.0D 8 6 : 085 < 4.27A . 89 4579 : 749 . .7 24C < 27 28D 079S905=D 375 .20 3456 . .4C0* 1 : 89204C M 5 4 : [[N 68@6 .20 '+ 86 8 F49D 73 6=0 : .50 46 89 49D4=8.479 73 : 7 <05 ; 7.2 D4?490 89D 2AC89 . 46 790 73 .20 4964B948 73 .20 &7D6 89D 73 .20 C : 05756 89D 83.05 .2045 8 : 7.207646 4C : "@49B . 28 . 20@ 28D ; 0=7C0 7 ; 0=.6 73 <75624 : . 46 B09058 @ 37A9D 49 .20 289D6 73 30C8"0 D4?494.406 89D : 05G 679434=8.4796 86 .20 <85E6 : 085 46 49 .2760 73 <8554756 89D 205706* ; EEE 0 600 .246 <08 : 79 79 #7C89 07496 49 .20 289D6 73 ?8547A6 D04.406 8C79B6 . .20 506 . .2760 73 : 7"" 7 8002A6 86.75 89D 7""A I 0506 @ ; 4D0 4898 05=A"06 KA97 KA : 4.05 856 8""86 7" 09A6 06.8 89D M86 8 D0C4B7DN #7CA"A6 9 "4F0 C89905 4 . 46 89 8..54 ; A.0 73 SA8"4.406 6A02 86 *$SA4.86 *334.0C4.86 99798 D0C09.48 79=75D48 0=A9D4.86 0"4=4.86 4D06 75.A90 4"854.86 7976 9DA"B09.48 KA6.4.48 4 ; 05 8"4.86 A94E 34009.48 7 ; 4"4.86 8.409.48 8 I 050994.86 05 : 0.94.86 40.86 57?4D09.48 AD4=4.48 %A406 8"A6 0=A54.86 589SA4""4.86 45.A6 = C89 79 27560 ; 8=F <4.2 .20 286.8 49 246 289D 79 4C : 0548" 07496 ; 0.7F096 89 0C : 0575 286.09G 49B .7 .20 <856 20 .@ : 0 73 89 0C : 0575 628F49B 246 6 : 085 7?05 89 090C@ "@49B : 576.58.0 79 .20 B57A9D D097.06 .28 . 246 205746C 49 ; 8.."0 8B8496 . .20 T ; 85 ; 854896U 62790 "4F0 .28 . 73 897.205 856 89D 6A=2 "4F0 3"8..05@ 20 B094A6 73 8 =4.@ =855406 8 286.8 49 .20 54B2 . 289D 375 .20 D0309=0 73 .20 =4.4\096 8B8496 . .20 ; 85G ; 854896 #7C0 <209 : 056794340D 79 =7496 46 8"C76 . 8"<8@6 50 : 50609.0D 27"D49B .20 286.8 .28 . : 85.4=A"85 C85F 73 D7C49479 89D 67?0G 504B9.@* ; : "8=0D =5766<460 _ ; 0249D 8 6240"D 85= C85F6 73 .20 0SA06.5489 D4B94.@ 00 7897 # 4? 79 8 =749 73 759E C7DA6 75 .20 #7C896 A9D05 .20 0C : 450 <050 8==A6.7C0D .7 73305 6A=2 6 : 0856 86 <0"" 86 8 6240"D .7 @7A9B : 549=06* ; 49389.5@ 73 .20 #7C89 "0B4796 67 =8""0D ; 0=8A60 8 . .20 =7CC09=0C09 . 73 .2045 496.4.A.479 .20@ <050 85C0D <4.2 6 : 0856* 1 86.8.4 M68@6 855sN SA7D : 54C7 86.46 : ABE 98 ; 89. 9D .27AB2 83.05<85D6 85C0D 49 8 D4330509 . C89905 .20@ 8"<8@6 : 50605?0D .20 98C0 375 49 7"@ ; 4A6L6 .4C0 .20@ 37AB2 . <4.2 6<75D6 89D 8 D85 . =8""0D # ' .20 75 "4B2 . .577 : 6 8"790 =79.49A0D .7 A60 .20 8?0"49 .05C0D ; M 4.46=A6N*EEEEE ; 89D # + 850 0I : 50660D 79 38C4"@ =7496 ; @ .20 "0..056 89D M 00 0548 B096N* 1 20 # + "4F0 .20 ; <050 .20 C76 . ! D46.49BA4620D 73 .20 #7C89 67"D4056 .2045 : 76 . <86 8 . .20 208D 73 89 85C@ . 20 3456 . 49 589F 89D 86 4 . <050 .20 : 549=06 4 . 8"67 C089 . .20 3456 . =7275.6 89D .20 3456 . "0B4796* 1 M 7" ; *N # * 1 00 3 " ! ' - % ' ; 759 8 . 50 : 89AC 49 4.2@948 9 ' > N <86 .20 3456 . <430 73 796.89.496 2"75A6 .7 <27C 620 <86 C85540D 60?058" @0856 : 50?47A6"@ .7 246 ; 049B49?06.0D <4.2 .20 589F 73 60685 89D ; @ <27C 620 <86 D4?75=0D 83.05 246 0"0?8.479 .7 .28 . 24B2 D4B94.@ 796.89.496 4CC0D48.0"@ 83.05<85D6 .77F 207G D758 D8AB2.05E49E"8 <' 73 8I4C489A6 05=A"06 375 246 60=79D <430 89D 0"098 50.450D 49.7 : 54G ?8.0 "430 ; A . <86 6A ; 60SA09."@ 2797A50D <4.2 .20 .4."0 73 ABA6.8 ; @ 205 679 796.89.490 .20 &508. 20 D4OD ' H> 2050 850 ; 5866 C0D8""4796 M5850N 73 .246 0C : 5066 89D .245D ; 5866 <24=2 850 =7CC79 79 .2060 620 46 6.@"0D ! 4W ?B4 479A0. ?8"A06 " ! ' & 89D : 4 6 & .<7 ; 5866 C0D8""4796 73 .246 0C : 5066 8. , 35 08=2*

' "! - ' <430 73 KA"489 .20 : 76.8.0 .7 <27C 620 <86 A94.0D 49 C85548B0 <209 .28 . 0C : 0575 <86 D0="850D 60485 H[[20 <86 .20 D8AB2.05 73 796.89.490 .20 &508. ; @ .20 0C : 5066 8A6.8 05 D08.2 .77F : "8=0 49 H 8 6275. .4C0 83.05 KA"489 28D ; 009 : 57="84C0D* ABA6.A6 20 =7496 73 .246 "8D@ 28?0 ; 009 ; @ C46.8F0 8664B90D .7 0"098 <430 73 796.89.490 20 B7"D 850 73 0I.50C0 5854.@ ; A . .20 .245D ; 5866 850 =7CC79 79 .2060 620 46 6.@"0D & 9 < 4.2 "0B09D " ! ! # $. 4 2 0C8"0 6.89D49B 6 M 8"A0D ; @ 47990. 8. , 35*N ^ 246 =749 =F20" M600 246 7 ; 605?8.4796 p ? 7?"# ?444 : , HN 7934D09."@ 8664B96 .7 0"098 <430 73 KA"489*EEEEE 47990. "# # ? 7?"# 44 : H HN 37""7<6 79 .246 : 749 . .20 7 : 49479 73 =F20"* 1 0 8579 85=28A . M49 246 I?44.2 0 % 8 . 79=0 50 : AD48.06 .20 D46.49=.4796 : 50?47A6"@ 06.8 ; "4620D ; 0.<009 .20 =7496 73 .20 .2500 D43G 30509 . 0"0986 89D 86=54 ; 06 8 .20 : 40=06 <24=2 ; 085 .28 . 98C0 .7 .20 C7.205 73 796.89.490# 1 9 .246 8 ; 67"A.0 50?7". 8B8496 . 8 : 85 . 73 .20 6@6.0C 73 8 : : 57 : 548.479 "84D D7<9 ; @ .20 4""A6G .547A6 &05C89 89D 375 67C0 .4C0 8=SA406=0D 49 <4.27A . 3A5.205 =79.06 . ; @ . 20 9AC46C8.4=' <75"D # 2 0975C8A . 286 7490D 9D 49 ?7"# ?4 : 0 . 60S 73 6 0 .20 "8..05 286 B4?09 246 5086796 49 3A"" 375 A9D05.8F49B .7 =7557 ; 758.0 89D =855@ 7A . .20 4D086 73 8579 85=28A . 7 .246 "AC497A6 D46605.8.479 .20 8..09.479 73 .20 6.AD09 . 46 : 85.4=A"85"@ D450=.0D*Q ' # # ") ! N* 1 .245D ; 5866 ; 08549B . 246 "0B09D 89D . 20 A9D0E

[' # *

609.0D' "N7.2' 86' 8' <27"0' 34BA50' 89D' 86' 8' ; A6. ' : 75.58@49B' .20' B094A6' 73' 0"47 : 7"46# "67' A596' " % ' 357C' 790' .7' .2500' 49' 9AC ; 05 ' 49' 08=2' 73' <24=2' 850' 357C' 790' .7' .2500' : 8"C' ; 589=206 ' 6.5A=F' 79' .20' 7==8647 9' 73' .20' 8 : 4.7"490' B8C06 ' =0"0 ; 58.0D' .2050 ' 49' 2797A5' 73' KA : 4.05 ' 86' 8"G 508D@' C09.4790D' A9D05' .20' 208D' 73' ' 49' .246' 85.4="0*

* 1 246' =0"0 ; 58.0D' 2057' 73' C@G .27"7B4=8# 57C89=0' <86' 8.' 3456.' =8""0D' "=4D06 ' ; A.' 50=04?0D' .20' 98C0' 73' 05=A"06 ' 75' 058="06 ' 357C' .20' @.248' 73' 0" : 276# 04B90D' ; @' .20' : 70.6' 73' 89.4SA4.@' .7' 28?0' ; 009' 8' 679' 73' T' .20' 2A9D0505 U' ; A.' ; C' 73' 89' 085.2"@' C7.205 ' 20' <86' 0I : 760D' .257AB2' KA97L6' 4C : "8=8 ; "0' 28.50D' .7' 24C' 86' .20' 7336 : 549B' 73' "=C098 ' .7' 8' =7A560' 73' : 054"6 ' <24=2' =7CCC09=0D' <24"6.' 20' <84' @0.'49' 246' =58D"0 ' 89D' A9D05' 08=2' 73' <24=2' 20' 600C0D' 508D@' .7' : 05462 ' ; A.' 86' =796.89."@' : 57?0D' ?4=G .7547A6# .' "09B.2' 34946249B' 246' 8""7..0D' =85005' <4.2' 98.4?0' ?8"7A5' 89D' B0905764.@ ' 4.27AB2' .77' 350SA09."@' .20' 6A ; C4664?0' 8B09.' 73' .20' C089G 9066' 89D' 49 A6.4=0' 73' 7.2056 ' 20' : 054620D' 60"3E D0?7.0DK@' 79' .20' 3A9058# : 4"0 ' <24=2' <86' "4B2.0D' 79' 7A9.' 0.8# KA : 4.05' 58460D' 246' 20574=' : 57G B09@' .7' .20' 6F406 ' 89D' 05=A"06' <86' 2797A50D' ; @' .20' : 8B89' <75"D ' 86' .20' C76.' 4""A6.547A6' 73' D04340D' C75.8"6# 20' = I.5875D4984L@' 09.05 : 54606' =5A0""@' 4C : 760D' A : 79 ' ; A.' B"7547A6"@' 8=240?0D' ; @ ' .246' 38C7A6' D0C4B7D ' 850' .7' ; 0' 37A9D' D0 : 4=.A50D ' 97.' 79"@' 79' &500F' =7496 ' ; 9.' 8"67' 79' .20' #7C89' 605406' ; 7.2' =796A"85' 89D' 4C : 0548""# 20' 3456. ' 89D' 790' 73' .20' C76.' D89B057A6 ' 73' A9D05.8F49B6 ' <0 EF9 ; <8' A9D05' .20' 98C0' 73' .20' .<0"?0" "8 ; 7A56' 73' 05G =A"06 ' <86' .28.' 73' F4""49B' .20' 2ABO' "479' 73' 0C808 ' 79' <24=2' 8==7A9.' .20' 49.50 : 4D' <855475' 46' 50 : 50609.0D ' ="7.20D' 49' .20' 6F49' 73' .28.' 37506.' C7985=2 ' 20' 8"67' ; 0856' A94375C"@' 8' C8664?0' ="A ; ' 67C0.4C06' <4.27A.' 89@' 7.205' 85C6 ' ; A.' 8.' 7.2056' <4.2' 8' ; 7<' 89D' SA4?05' 73' 8557<6# 9' 8' D09854A6' 73' .20' 9.48' B096' 20' 46' 50 : 50609.0D' <8"F49B' <4.2' .57 : " ' 89D' ="A ; # M 00' $! A / ' (209' 246' 208D' 8"790' 46' .@ : 4340D ' 86' 49' A=48' B096 ' 4.' 46' =7?050D' <4.2' .20' "479L6' 6 : 74"6 ' 49' <24=2' D46.49=.4?0' D0=758.479' 20' <86' 4C4.8.0D' ; @' C89@' : 549=06 ' 89D' 06 : 0=48""@' ; @' .2760' <27' ="84C0D' D06=09.' 357C' 24C 1 86' 375' 0I8C ' "0 ' .20' F49B6' 73' 8=0D7948 ' 89D' .20' 6A==066756' 73' "01G 89D05' .20' &508.# C79B' .20' #7C89' 0C : 05756' 58 89' 46' .20' 3456.' <2760' =7496' 0I24 ; 4.' .20' 34BA50' 89D' 8..54 ; A.06' 73' 05=A"06# 9' 8' D0A8E

"" ' # H#

54A6' 73' .246' : 549=0' $ ' # 49 ' ' =76# C ' ' : *N 246' 4C8B0' 6.89D49B' 79' 8' ' 286' 8' ="A ; ' 49' .20' 54B2.' 289D ' 89D' 89' 8 : : "0' 49' .20' "03.' M8""A64?0' .7' .20' 06 : 054D06N ' .20' 6F49' 73' .20' 0C4089' "479' ; 049B' .257 < 9 ' "4F0' .20' + ' 7?05' 246' 627A"G D056 ' 89D' 38""49B' 79' 246' "03.' 85C * 1 9' 8' 3456.' ; 5866' 73' .20' 68C0' 0C : 0575' M6# : # M ' ' ' # ' ! % ' 8 : : 0856' 8' ="A ; ' 506.49B' : 05 : 09D4=A"85"@' 79' .20' 208D' 73' 8' "479' : "8=0D' 79' 8' : 0D06.8"# A.' 4.' <86' "03.' 375' 7CC7DA6' .7' 620<' 246' 37 @ 49' 8330=.49B' T .20' 05=L"06' ?049*U' 9D' 97.' 79"@' D706' .20' 0334B@' 73' .20' D0C4EB7D' 8 : : 085' 79' 9AC05G 7A6' =7496' 73' .28.' : 06.' 73' 67=40.@ ' ; A.' 246' 7<9' 208D' 46' =7?050D' <4.2' .20' "0794907 8..54 ; A.0 ' 89D' 20' 866AC06' .20' 8 : : 0""8.479' 73' T' .20' #7C89' 05G =A"06*U 1 &8""409A6 ' 76.ACA6 ' 57 ; A6 ' 814E' C489A6' 05=A"06 ' 89D' 7.205' 0C : 05756 ' 8"67' 60G "0=.0D' .246' D04.@' 86' .20' : 0=A"485' 7 ; 0=.' 73' .2045' <75624 : *

; ' ' ' ' * 1 9' 8' 64""?05' =749' 73' .20' A50"48' B096' M600' : # ""N ' 05=A"06' 6.89D6' 49' 8' =85' D58 <9' ; @' .<7' =09.8A56 ' 27"D49B' ; 589=206' 49' .2045' 289D6# 46' ?4=.75@' 7?05' .2060' SA8D5AG : 0D8# C796.056' 46' 50305 50D' .7' 79' 60?058# =7496' R 8C79B6.' 7.2056' 8' ; 08A.43A# C0D8""479' 73' 9.7G 949A6' 4A6# M 00' .20' 6A ; 0=.' D06=54 ; 0D' 89D' 09G B58?0D' 49' : # , a N* 1 9' 8' 24B2"@E50"40?0D' ; 5866' C0D8""479' 73' # A50"4A6 ' 05=A"06' ; 08549B' 8' .57 : 2@' 79' 246' "03.' 627A"D05' 89D' 27"D49B' .20' ="A ; ' 49' 246' 54B2.' 289D ' 6.89D6' 49' 8' =85' D58 <9' ; @' 37A5' =09.8A56# M 00' + ' ! -' 9G B58?0D' 49' 47990.' 89D' 49' F=5C89*

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0' (4..0 ' 89' 0C4909.' 9AC46C8.46.' 5064G D09.' 8.' 7"7B90 ' 49' 89' 0"8 ; 758.0' 89D' 8 ; "@' <54..09' : 8 : 05 ' 8DD50660D' .7' .#0' D4.75' 73' .20' 6 ' ' 0 ' M?7"# ?44# : # HH ' .7' H aN ' 506 : 0=.49B' .20' ?09058.479' <24=2' 76.ACA6' C894306.0D' .7G <85D6' 05=A"06 ' B4?06' 8' D06=54 : .479' 73' 8' 60.' 73' =7496 ' 6.5A=F' A9D05' .28.' : 549=0 ' .20' 50?05606' 73' <24=2' : 50609.' 8' =7C : "0.0' 605406' 73' .20' "8 ; 7A56' 73' 05=A"06# .' 46' 357C' .20' 09B58?49B6' M : "8.0' ?44*N <24=2' 4""A6.58.0' .20' D46605.8.479' 49' SA06.479 ' .28.' .20' 6A ; 7490D' =A.6' 28?0' ; 009' =7 : 40D ' <24"6.' 8D?89.8B0' 286' 8"67' ; 009' .8F09' 73' # 0' (4..0I6' =7CC09.85@' 79' .20' D4330509.' .@ : 06 ' .7' .257<' 35062' "4B2.' 79' .20' 9AC46C8.4=' 86' <0"" 86' C@.27G "7B4=8# ; 08549B6' 73' .20' 6A ; 0=.' P1

7# ,* 1 # 4' # 05=A"06' 6A337G =8.49B' 8' "479 ' .28.' .50C09D7A6' ; 086. ' <24=2' 58G ?8B0D' .20' =7A9.5@' 9085' .20' 0CC89' 37506. ' 49' .20' 904B2 ; 7A5277D' 73' "0798 y' 89D' <24=2' 20' 28D' 4A' ?849' 09D08?7A50D' .7' F4"" ' <4.2' .20' 6<75D ' .20' ="A ; ' 89D' .20' 6.790 ' 89D' .20' 6F49' 73' <24=2' 20' 83.05<85D6' <750' 86' 8' .57 : 2@' 73' 246' ?4=.75@*

@.27B58 : 2056' 6 : 08F' 73' .<7' 75' .2500' "4796

' # *

6"849' ;@' 05=A"06≠ 28.' 73' 7A9.' 4.;058 ' 75' 58.205' .28.' 73' 7A9.' 0"4=79 ' .28.' 73' 06G ;76 ' 89D' .28.' 73' 0C308≠ 46' =7C ; 8.6' <4.2' .20' T' F49B' 73' ;086.6U' 28?0' 73.09' ;009' 50:50609.0D' ;@' 89=409.' 85.46.6 ' .246' B57A:' 7330549B' 38?7A58 ;"0' =7C ;498.4796 ' 86' <0"" 375' 6=A": .A50' 86' 375' : 849.G 49B' ' 9AC ;05"066' 89D' ?05@ ?8540D' 50 : 0.4.4796' 850' 8"67' 37A9D' 73' 4. ' 06 : 0=483"@ 79' &500F' =7496≠ .' 46' .20' "479' 73' 0C808 ' .20' 6"8@49B' 73' <24=2' <86' .20' 3456.' 73' .20' 2057L6' .<0"?0' "8 ; 7A56 ' .28.' 46' 620<9' ;@ .20' 496=54 : .479' 79' .20' D09854A6' 73' 76E' .AC96≠ 7≠ ,*

47990.' 286' D06=54 ; 0D' 89' ' 64C4"85' .7' .20' 8 ; 7?0 ' <4.2' .20' "0B09D' * " o ! ' ! ! " '[<24=2' 8==7C : 89406' .20' B57A :' 73' "=4D06' 89D' .20' "479' 79' 8' 50?0560' 73' 76.AC96≠ 86."@ ' 89E' DA54' =4.06' 8' ;586_'=749' 73' 76.9CA6 ' <24=2' ;0856' 79' 4.6' 50?0560' .20' "0B09D' ! * ' # ! ' & ' 6≠ =≠ <4.2' .20' 68C0' .@ : 0*

7≠ >* 1 8 * 1 # ' # 4?7≠ 05=A"06' 85C0D' <4.2' .20' =A; ' .20' 6F49' 73' .20' "479' <58 : G : 0D' 57A9D' .20' "03.' 85C ' 8..8=F49B' .20' @D58 ' 75' 4989@E2=8D0D' 605 : 09.' 73' 0948*

1 *1 ' :4?6' 4 ! ' &≠ KAB8.0D' 208D6' 73' 76.9CA6' 89D' 05=A"06 ' ;7.2' =57<90D' <4.2' "8A50" ' .7' .20' 54B2.≠ M 00' 7 ; ?0560' 73' 8' 64"?05' C0D8""479' 73' 76.9CA6 ' :≠ H >N*

57C' 89' A9 : A ; "4620D' D09854A6' 73' ;4 79' ;0G "79B49B' .7' .20' =7""0=.479' 73' ≠ A : 50≠ 246

' *F # * [,

: 40=0' M68@6 ≠ 0' (4..0N' 375C0D' : 85.' 73' 8' D0 : 7.' 73' C0D8 ; ' 37A9D' ' .20' 09?45796' 73' 7"7B90* 1 ' 7C : 850' <4.2' 89DA54 ' 9 ' + ' * ' ?7"≠ 4* : ≠ > *

05=A"06' 89D' .20' @D58' 850' 50 : 50609.0D' 79E' 8' .7"058 ; "@' "85B0' 9AC ; 05' 73' C79AC09.6' 49' C85 ; "0' 89D' 79' : 849.0D' ?8606≠ (4.2' 50B85D' .7' =7496 ' .246' .@ : 0' 46' 37A9D' 79' 67C0' &500F' C790@ ' 89D' A : 79' 4C : 0548"≠ 8.49' =7496' 73' 8 I 4C48996' 05G =A"06 ' ;08549B' .20' "0B09D6' * " o ! ' $ o ! .' #≠ M ; 5866' C0D8""479 ' 89D' B7"D' 89D' 64"?05N 1 ' # ' ' MB7"DN 1 89D' # ' ' 1 89D' 79' .2760' 73' 796.89.496' 2"75A6 ' !$!' 1_<' M8"67' B7"DN≠ .' 286' ;009' =79 0=.A50D' .28.' .20' 0I.05C498.479' 73' .20' @D58 ' <24=2' 46' 73.09' 50 : 08.0D' 79' =7496' 73' 8 I 4C489A6' 05=A"06 ' ;085' 5030509=0' .7' .20' : 0560=A.479' 0I05=460D' 8B8496.' .20' 2546.4896*

20' C8562O6' 73' 0598' <050' 64.A8.0D' 49' 5E' B7"46 ' <209=0' =8C0' .20' 0 : 4.20.' ' <24=2' 05=A"06' ;0856' 79' .20' D09854A6' 73' 76.9CA6 ' 09'E B58?0D' 49' : 50=0D49B' : 8B0≠ T' 3' 8"" .20' 50?05606' 73' .20' "8 ; 7A56' 73' 05=A"06 ' 68@6' ≠ A : 50 ' .28.' <4.2' .20' "0B09D' * " o ! ' * & ! ' '46' .20' C76.'5850≠ A ; "4620D' 67"0"@ ;@' &7".\4A6 ' 89D' 97.' ;049B' 37A9D' 49' .20' B508.06.' =7""0=.4796 ' 4.6' 0I46.09=0' 286' ;009' D7A ; .0D≠ A.' <0' 850' 8=SA849.0D' <4.2' 89' 49DA ; 4.8 ; "0' 6 : 0=4C09' 73' 4. ' D46=7?050D' 8C79B6.' 8' D0 : 764.' 37A9D' 9085' 50?06*U

7≠ H* 1 ' :≠ :≠ &≠ ≠ #8D48.0D' 208D' 73' 76.9CA6' .7' .20' "03.*

* * 1 ?4≠ ' ' & 1 05=A"06' 604\49B' ;@' .20' 89."056 ' .20' 249D' 75' 6.8B' ' 30 * 1 ' 4DD"0' ;5866 ' 49' .20' ') ' ' ! 1 479G 90.' * = =' ' ' 44≠ *

20' 249D ' <4.2' B7"D09' 27596' 89D' 258\09' 27736 ' 3A594620D' .7' 05=A"06' 246' .245D' "8 ; 7A5≠ 246' 46' 8' 5850' 6A ; 0=.' 79' 89=409.' C79AC09.6 ' 0I=0 : .' 79' .20' ; 86E50"4036' D0D4=8.0D' .7' .246' 60540G' 73' 50 : 50609.8.4796≠ ' 30<' : 849.49B6' 79' ?8606' 50305' .7' .20' =8 : .A50' 73' .246' <4"D' 6.8B' 67' 38C7A6' 375' 4.6' 6<43.9066≠ 7C0.4C06' 8"67' 05=A"06' 89D' : 7""7' 850' 6009' =79.09D49B' 375' .246' 3"00.' 894C8" ' 8' 6.5ABB"0' 34BA50D' 79' 8' C8B9434=09.' 20"C0.' 73' ;579\0 ' 49' .20' =7""0=.479' 73' ≠ "0' A0' D0' 9@906 ' 89D' 79' .<7' =7"0.489 ' 89D' 73' 8 I 4C489' 05=9"06 ' 7=5=A5509=0 ' 46' 97.' A9F97<9' 49' &500F' 9AC46G C8.4=6' ' 89D' 4.' 46' 37A9D' 79' .20' B7"D' 89D' 6C8"" ;5866' 73' 47=" 0.489 ' 89D' 73' 8 I 4C489' 05=9"06 ' # ' &&≠ 75' 4≠ ≠ &&≠ 20' ;5866' =749' 73' 76.9CA6' M09B58?0D' 8 ; 7?0N' 46' A94SA0* 1 ' 0' (4..0 ' * ' ' ?7"≠ ?44*

7≠ *1 ≠ ' #| ' " %1 05G =A"06' 3 ' 79' 246' 627A"D056' .20' <4"D' ;785' 73' H' >

5@C89. ; A6≠ 20' "479L6' 6F49' 46' 2A9B' 79' .20' "03.' 85C≠ .' 246' 300.' 46' 8' + ' 75' <490E 85≠ 09854A6' 73' ;4""79' 49' .20' ') ' ' ! * 1 ' 47990. ' 44≠ ,≠ 89DA54' 4≠ > [' 89D' > , ' 49' <2760' <75F' 4.' 46' 09B58?0D*

05=A"06 ' =855@48B' .20' 2AB0' <4"D' ;785' 8"4?0' 79' 246' 627A"D056 ' 46' 73.09' D0 : 0.A50D' 79' : 849.0D' ?8606' 86' <0"" 86' 79' C85 ; "06 ' 79' 790' 73' <24=2' A5@6.20A6' 46' 6009' 24D49B' 24C60"3' 49' .20' + ' 20' F49B' 73' @=0960 ' 83354B2.0D' 8.' .20' 64B2.' 73' .20' 0975C7A6' ?4=.4C' .7' 20574=' 6.509B.2' 89D' =7A58B0 ' "43.6' A : ' ; 7.2' 246' 85C6 ' 89D' 600C6' .7' =79 A50' 05=A"06' .7' .8F0' 24C60"3' 8<8@' <4.2' 246' D508D3A"≠ ; A5.209* 1 9' 074A' 7≠ ' 904.205' .20' 208D' 975' .20' 85C6' 73' A5@6.20A6' 850' ?464 0* 1 ' 9' 7.205' =7496' .20' + ' 46' 6009 ' 89D' A5@6E' 20A6' =79=08"49B' 24C60"3' .205049 ' 49' .20' 68C0

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C89905' 86' 79' .20' : 849.0D' A596 1 86' 375' 0I8C : "0 ' 79' 8' ;5866' =749' 6.5A=F' 8.' "0I89D548 ' 49' B@ : . ' A9D05' 9.7949A6' 4A6 ' 79' 897.205' ;5866' =749 ' 6.5A=F' 8.' 8D54897 : 7"46' 73' 258=0 ' A9D05' 858E =8""8 ' 89D' "86."@ ' 79' .2500' ;5866' C0D8""4796' 73' 0549.296 ' 6.5A=F' A9D05' 858=8""8 ' &0.8 ' 89D' &75D489A6' 4A6*

7# *1 =******** # 05=A"06' 98F0D =855@49B' 79' 246' 54B2.' 627A"D05' <28.' # 0' (4..0' =8""6' 8' F49D' 73' 3 ' + ' M ; A.' <28.' 49' .20' 09B58?49B' "77F6' C750' "4F0' 8' ="A ; N ' : 57=00D49B' .7' .20' .86F' 73' ="089649B' .20' 9B089' 6.8 ; "06* 1 ' ' D09854A6' 73' 76.ACA6' 49' ;4""79 ' 97 : A ; "4620D ' 357C' .20' 50?06' A60AC*

20' C@.2' 73' .20' 6.8 ; "0' 73' AB486' 46' 50G : 50609.0D' 79"@' 79' 8' 6C8""' 9AC ; 05' 73' 8A=40A.' C79AC09.6 ' 375' 496.89=0 ' 79' .20' =0"0 ; 58.0D' =A : ' "; 894 ' 79' .20' 75B48' C85 ; "0 ' 89D' 79' .20' 8".85' 73' .20' &4A6.49489' "05@*' 20' 50 : 50609.8.479' <24=2' =75506 : 79D6' C76.' ="760"@' <4.2' .20' .@ : 0' 73' .246' 5850' D0985496' " ' [N ' 46' .20' ;86' 50"403' 79' .20' 8".85' "86.' 98C0D ' 89D' 79' <24=2' 05=A"06' 46' 6009' <8"F49B' .7' .20' "03.' 85C0D' <4.2' 8' = ' 745747H M270' 75' C8..7=FN ' ;@' C0896' 73' <24=2' 20' : 50 : 8506' .7' 6 : "4.' 57=F6 ' 89D' 7 : 09' 8' : 8668BD' 375' .20' <8.056' 73' .20' ": 20A6' 89D' .24' 090A6 ' 20' 0"44 ;' 46' : "8=0D' 8B8496.' .20' 57=F*

20' =749' M 7# [N' 46' A9375.A98.0"@' D030=.4?0' 49' : 749.' 73' : 50605?8.479# T' 9' .20' .@ : 0' 73' .20' 50?056O' M50C85F6' # 0' (4..0N' C8@' <4.27A.' 2064.8.479' ; 0' 50=7B94\0D' .20' 343.2' "8 ; 7A5' 73' 05G =A"06 1 .28.' 49' <24=2' .20' 2057' ="08960D' .2 :' "4D0# A.' .2050' 50C849' D4334=A".406' 8..8=20D' .7' .20' .86F' 73' 508D49B' .20' "0B09D' 49' <24=2' 4.' C4B2.' 28?0' ; 009' 6A : : 760D' .28.' C750' .289' 790' 6A598C0' <7A"D' 28?0' ; 009' 37A9D' =7990=.0D' <432' .20' 7 : 05G 8.479 1 6A=2' 86' .2760' 73' ; ' + ' , ' 75' # ' 20' 3456.' "0..05' 06 : 0=48""@' 46' 73' 89' A9=05.849' 375C* 1 # 28667.' D0' "7589=7A5. ' .7' <27C' ' 28D' =7CCA94=8.0D' C@' D7A ; .6 ' 620<0D' 49' .20' C76.' =79?49=49B' C89905 ' .28.' 4.' <86' 8 ' 8 ' ' 89D' .28.' 4.' 7AB2.' .7' ;0' 508D' - " o ! *U

' 46' 8' 90<' 6A598C0' 375' 05=A"06#' 246' 0 : 4.20.' 8""AD06' .7' .20' .0554.75@' 73' "46 ' <4.249' .20' =7934906' 73' <24=2' 79=0' 6.77D' .20' =4.@' 73' 468 ' 73' <24=2' 97' ?06.4B06' 850' 97<' D46=7?05G 8 ; "0 ' 8".27AB2' F97<9' .7' 28?0' ; 009' 64.A8.0D' 9085' .20' : "849' 73' "@C : 48 ' <2050' .20' "@C : 4=' B8C06' 49' 2797A5' 73' KA : 4.05' <050' =0"0 ; 58.0D*

V' 468' <86' 50B85D0D' 86' .20' 5064D09=0' 73' F49B' AB486 ' 89D' .20' =8 : 4.8# 73' .20' =7A9.5@' =8""0D' # ' 7C0' 8A.2756' 600C' .7' C8F0' 8' D46.49=G .479' ; 0.<009' "@C : 48' 89D' 468 ' 7.2056' 68@' .28.' 4.' <86' .20' 68C0' =4.@# 090=8' .20' .58B0D489' B4?06' .20' 0 : 4.20.' 73' 4660A6' .7' KA : 4.05' " 0 ' aH N/1

T' .' 46.8' D79AC' : 8"C8' 4660# K7?46*U

0' (4..0' =79="AD06' 246' "08590D' =7CC09G2# 8973F8' 89D' .7' # 49D05 ' F00 : 056' 73' .20' 05"49' 8 ; 490.*

.85@' 79' =749' 7# [' ; @' 7 ; 605?49B' .28.' 79' 8' ;86E' 50"403' 49' .20' 8.4=89 ' 89D' 79' 8' ;5866' =749' 73' B@ : .489' "0I89D548 ' 6.5A=F' A.D05' 9.7949A6' 4A6 ' 05=A"06 ' 83.05' 28?49B' 3494620D' 246' "8 ; 7A5' M73' 7 : 0949B' 8' : 8668BD' .257AB2' 8' 57=F' 375' .20' <8.056' 73' .<7' 54?056 1 6@C ; 7"4\0D' A9D05' .20' 34BA50' 73' 6.8 ; "0E=" 089649BN ' 46' 6009' & ' '

' # *

7# · 1 # 1 #=?44' 9=A ' 05=A"06' 6.89D49B ' .20' "479L6' 6F49' 79' 246' 627A"D056 ' 6277.6' <4.2' 246' 8557<6' .<7' 73' .20' F 3 + ' 9' 89' 8A50A6' 73' 76.9CA6' 49' .20' ') ' ' ! 1 89494 ' ' + ' ; ' $ ' 44*

05=A"06' F4""49B' <4.2' 6283.6' D46=285B0D' 357C' 246' A905549B' ;7<' .20' ; 45D6' 73' .@C : 28"446 ' 46' 8' 6A ; 0=.' 37A9D' 79' 89=409.' C743=C09.6' 73' 0?05@' F49D ' 89D' 79' C89@' &500F' =7496# 246' 8A50A6 ' <24=2' 20856' 79' 4.6' 7 ; ?0560' .20' AB8.0D' 208D6' 73' 76.9CA6' 89D' 05=A"06 ' ; 7.2' =57<90D' <4.2' "8A50"' 46' 8' 3490' 790 ' 89D' C8@' ; 0' =7964D050D' .7' 28?0' ; 009' A9 : A ; "4620D' A9.4# 09B58?0D' 49' .20' 6 ' 0 ' .7' 4""A6.58.0' <4.2' 7.2056' # 0' (4..0L6' D46605.8.479# 47990.' 286' 97.' D06=54 ; 0D' 4.# 8949' 286' B4?09' 8' ?05@' ; 8D' =7 : @' 73' 4. ' .20' 79"@' 790' 2050.73750' F97<9# 75' 850' .20' ; 45D6' 73' .@C : 28"A6' 50 : 50609.0D' 79' 89@' 7.205' ' =749*

^ 2060' ; 45D6' <050' 67' =8""0D' 357C' .20' "8F0' .@C : 28"A6 ' 49' 5=8D48 ' .20' 904B2 ; 795277D' 73' <24=2' .20@' 49306.0D# 20@' <050' 684D' .7' 28?0' ; 009' 73' : 57D4B47A6' 64\0 ' 73' 4968.48 ; "0' ?758=4.@ ' 89D' .7' 28?0' 30D' 79' 2AC89' 3"062# (4.2' .20' 86646.89=0' 73' 4905?8 ' .20@' <050' : 85."@' D0G 6.57@0D' ; @' .20' 8507<6' 73' 05=A"06 ' 89D' .20' 506.' D54?09' 8<8@' ; @' .20' 67A9D' 73' ; 5866' .4C ; 50"6# ' 6 : 0=4C09' 73' .2060' <49B0D' C796.056' M<24=2' D43305 0D' 357C' .20' @ : 09' 89D' .20' 85 : @N ' 46' 6A : G : 760D' ; @' =05.849' 9AC46C8.46.6' 73' .20' 0"D05' 6=277# .7' ; 0' 0I24 ; 4.0D' 7A' 8' <0 EF97<9' D09854A6' 73' .20' 8"0548' B096# 28.' .@ : 0 ' 27<0?05 ' D706' 97.' 8B500' <4.2' 8A6894866L6' D06=54 : .479' 73' .20' F 3 + ' ' <24=2' .20' &500F' <54.05' =7CG : 8506' .7' 8' =5890' 49' 64\0 ' 89D' <4.2' 8' 208D' 89D' ; 08F' 67C0<28.' "4F0' .2760' 73' 89' ; 46# .' <050' 27<0?05 ' <7560' .289' .543"49B' .7' =44.4=460' .20' 375C' 89D' D4C0964796' 73' =508.A506' 8 ; 7A.' <24=2' 0?09' 38 ; "0' =79.58D4=.6' 4.60"3 ' 89D' .20' 0146.09=0' 73' <24=2' : 57 ; 8 ; "@' 28D' 97' : "8=0' ; A.' 49' .20' 4C8B498.479' 73' .20' 89=409.' : 70.60*

7# *E ' ' # *1 05=A"06 ' 98F0D' M.A590D' .7' .20' 54B2.N ' 604\06' 8' ; A""# ; @' .20' 27596# 1) 1 ' ' +' %# KAB8.0D' 208D6' 73' 76.ACA6' 89D' 05=A"06' M86' 49' : # H >N# 9' B7"D ' 49' .20' A60AC' 73' 05"49* 1 47990. ' 6 =' ' ' ?# 44# , 1 89DA54 ' ' ++ ' 4# > *1 75' 8' =86.' 73' .246' A94SA0' ' # 0' (4..0' 8=F97<"0DB06' 24C60"3' 49D0 ; .0D' .7' # 49D05 ' F00 : 056' 73' .20' 05"49' 8 ; 490.*

20' .@ : 0' 73' 05=A"06 ' 6.5ABB"49B' <4.2' 8' ;9 ' 8"67' 8 : : 0856' 79' 8' C4DD"0' ;5866' 73' 76.ACA6 ' <4.2' .20' "0B09D' - o ! ' ! ' 1 9B58?0D' 49' 8.49 ' + ' 6 ' : # H [' 0D4. # , a * 9' 7.205' C79AC09.6 ' 05=A"06' 46' 67C0.4C06' 6009' 09D08?7A549B' .7' ; 49D' 8' 2A""# 4?4.2' =75D6' 1 ' ?4\# 79' 89' 8C : 2758' <4.2' ; "8=F' 44' BA506 ' 49' .20

= ' 4 = ' 8.' #7C0' ' 89D' 79' 897.205' MA9 : A ; "4620DN' 8C : 27 ' 8"67" < 4.2' ; "8=F' 34BA506 ' 4A' .20' =7 0=.479' 89=F7A=F0*

^ 47D75A6' D064B98.06' 05=A"06' ; @' .20' 6A5G 98C0' 73' ' ' 9D' .20' 50?0560' 73' .246' =749' .@ : 43406' 8' B508.' 6A==066' < 24=2' .20' 2057' 8=240?0D' 49' .8C49B' 8' < 4"D' ; A * 20' 6=090' 73' .20' 0I : "74.' 46' 8664B90D' .7' 50.0 ' 89D' 4.' 46' 09AG C058.0D' 86' .20' 60?09.2' 73' .20' "8 ; 7A56' 8 < 85D0D' ; @' 246' .@589.' ; 57.205' .7' .246' 90?05ED8A9.0D ' 0?05E?4=.7547A6 ' A9D05.8F05' 73' 8 : : 8509."@' 4CG : 58=.4=8 ; "0' 09.05 : 54606*Q

7* * 1 : 76 ' ?7* 1 A6.' 73' 76.ACA6 ' < 4.2' 38=0' .7' .20' 3579. ' 89D' 208D' 09=45="0D' < 4.2' 8' 58D48.0D' =57 < 9*

6 1 # 4' # 47* 05=A"=6' .8C49B' 8' 27560* 9' B7"D ' 49' .20' ') ' ' ! ' 0975C89. ' + ' ' , + ' 6 0 ' : 4* "44* 7* , * 1 K"47990. ' 6 = ' F ' 44* H* 1 9' 8' D09854A6' 73' ; 4 7A' .20' 68C0' .@ : 0' 73' 50?0560' 7 == A56*

k ; ' '& ' .20' =79SA0575' 73' 47G C0D0 ' F49B' 73' 258=0 ' 679' 73' 856' 89D' @5090 ' < 27' 30D' 246' 275606' < 4.2' 2AC89' 3"062* .' < 86' 790' 73' .20' 375C4D8 ; "0' .86F6' 4C : 760D' 79' 05=A"06' .7' D06.57@' 47C0D0* 9D' 8 == 75D49B"@' .20' 2057 ' 8 == 7C : 8940D' ; @' 67C0' 73' 246' 35409D6 ' 8..8=F0D' .20' =5A0* C7985=2 ' 375=4 ; "@' .77F' : 766066479' 73' 246' 275606 ' 89D' B8?0' 249AA : ' .7' ; 0' D0?7A50D' ; @' .20' 68C0' 68?8B0' 894C8"6' < 24=2' 20' 28D' 0C : "7@0D' .7' D06.57@' .20' A9375.A98.0' DA : 06' 73' 246' ; 85 ; 85G 7A6' .508=205@0*

20' 6A ; 0=.' 73' 05=A"06' .8F49B' .20' 275606' 73' 47C0D0' 46' 5850"@' 50 : 50609.0D' 79' C79AC09.6' 73' 89.4SA4.@* 9D0 : 09D09."@' 73' 8' B57A : ' 49' C852"0' : 50605?0D' 8.' .20' 8.4=89 ' 4.' 46' 50=7B9460D' 79' 8' : 849.0D' =A : ' 49' .20' 60=79D' =7""0=.479' 73' 45' (C* 8C4".79* 0?058* &500F' C0D8"6' ; 085' .20' .@ : 0' 73' .20' 275606' .8F09' 8 < 8@' ; @' 05=A"06* 1 = F20* SA7.06 ' 83.05' 89494 ' 8' ; 4""79' 73' 76.ACA6 ' < 24=2' 79' .20' 50?0560' 73' 8' B8"08.0D' 208D' 73' .28.' 0CG : 0575 ' 0I24 ; 4.6' 05=A"06' 8 == 7C : "46249BL' 246' .2' "8 ; 7A5*

a* , *

7* a* 1 6 1 2241 ' ! !" 1 05=A"06' 6.89D49B ' : 506606' < 4.2' 246' 54B2.' 377.' 79' .20' ; 7D@ 73' 8' D58 : 0D' 30C8"0 ' 6.50.=20D' 79' .20' B57A9D' ; 0908.2' 24C ' 89D' 7C' < 2760' < 846.' 20' 46' : 50G : 8549B' .7' D0.8=2' .20' B45D"0* 20' ="A ; ' 46' 49' 246

"03.' 289D ' 89D' .20' "479L6 6 : 74"6' 850' < 58 : : 0D' 57A9D' 246' "03.' 85C* 1 7] . # ' #! ' ! 0 ! 6 ' & ' .06' 8==7"t06' D0' 76.ACO' 0.' DL 05=A"0* 1 T' 246' D09854A6' 73' ; 4 79 ' A9 : A ; "4620D ' 357C' .20' =7"G "0=.479' 73' * A : 50 ' < 86' 37A9D' 9085' #09906 ' 49' 54.899@*U

^ 20' .@ : 0' 8""AD06' .7' .20' =7C ; 8.' 73' 05=A"06' < 4.2' ; 3++ ' < 27C ' 28?49B' 7?05=7C0' M49' 6=85=0"@' .7' ' ?05@' =50D4.8 ; "0' 34B2.N' 20' 375.2G < 4.2' D46 : 7660660D' 73' .20' ; 8"D54=F' 75' 6 < 75DE ; 0".' 73' ' < 24=2' .246' SA009' 73' .20' C8\796 =85G 540D' 8.' 205' B45D"0 ' 86' .20' C85F' 73' 205' 57@8".@' ' 89D' < 24=2' DC0.6 ' D8AB2.05' 73' A5@6.2096 ' 89D' 8' : 5406.066' 73' KA97' 8.' 5B76 ' 28D' 75D050D' .20' 20 ; 89' 2057' .7' ; 549B' .7' 205* 1 9' 4""49 ' 4 0 ' 3 0 ' 44* : 4* 0I144* 7** H' .20' 6A ; G 0=. ' =7 : 40D' 357C' 8' &500F' ?860 ' 46' 84D46.4=8""@' D08".' < 4.2 ' 8.' 89' 085"405' 6.8B0' 73' .20' 09=7A9.05' ' < 209' .20' ; 08A.43A"* 0SA06.5489' 46' 8 ; 7A.' .7' 2A5"* 205' 490330=.A8*" "89=0' 8.' .90' C89' 73' .20' : 79D057A6' ="A ; Q*

T' 05=A"06' 34B2.49B' < 4.2' .20' C8\796 M68@6* 0' (4..0N ' 8' 350SA09.' 6A ; 0=.' 79' : 849.0D' ?8606 ' 46' 73' ?05@' 5850' 7 == A5509=0' 79' C790.85@' .@ : 06* 05=A"06' 46' 6009' : A56A49B' 89' C8\79' 79' 27560 ; 8=F ' 79' ; 5866' C790@' 73' 058=" 08 ' 4A' 4.2@948* 2050' 46' 8"67O8' 6 : 0=4C09' 73' .20' 68C0' .@ : 0' 49' .20' ') ' ' ! ' 73' = ' : 50G 605?8.479' ' ; A.' .2050' 46' 49' .20' 4C : 0548"' 89D' 57@8"* =8 ; 490.' 8.' 40998' 8' .245D' 018C : "0 ' 86' < 0 ' : 50G 605?0D' 86' .28.' 49' * A : 50L6' =7""0=.479*U

7* , *EEEE # ' 4 *EEEEE 05=A"06 6.89D49B ' < 4.2' .20' "479L6' 6F49' 6A6 : 09D0D' 79' .20' "03.' 85C ' 89D' .20' 54B2.' 85C' 5846D' 86' 49' .20' 8..4G .ADO' 73' 34B2.49B' 8B8496.' 85C0D' C09* 9' 8' D0G 9854A6' 73' ; 4""79 ' 357C' .20' =7""0=.479' 73' * AG : 50 ' A9 : A ; "4620D' .4 ' 09B58?0D' 4A' .20' 6 ' 0 ' 375' .20' D46605.8.479' 73' * 0' (4..0 ' ? 27' 68@6' T' .246' A94SA0' : 40=0' < 86' 37A9D' 49' .20' 904B2 ; 7A5277D' 73' 7"7B90 ' 8.' .20' 68C0' .4C0' 86' D09854A6' 7* >*

^ 9' .@ : 0' 7* , ' 46' .7' ; 0' 50=7B9460D' .20' 38 ; "0D' =793"4=.' ; 0.< 009' 05=A"06' 89D' .20' .54 : "0' &05@79 ' 50 : 50609.0D' 49' .246' 496.89=0' ; @' .2500' 208?@E85C0D' 67"D4056N ' 49' .20' B85 ; ' 73' #7C89' < 8554756* 1 ' 20' : 8668B0' 49' SA06.479 ' "4F0' 60?058" 7.2056' =7990=.0D' < 4.2' .20' "8 ; 7A56' 73' 05=A"06 ' 46' ?05@' =793A60D' 89D' =79.58D4=.75@* &05@79' 46' D0G 6=54 ; 0D' ; @' .20' : 70.6 ' 86' 8' B489.' < 4.2' .2500' ; 7D406 ' .2500' 208D6 ' 64I' 85C6 ' 89D' 64I' "0B6* 1 ' 246' C796.05 ' < 27' "4?0D' 49' .20' 46"89D' 73' &8D458' 75' &8D06 ' F0 : .' 9AC057A6' 205D6' 73' 7109' ' A5@6E' .20A6 ' .20' 285D' 89D' C8"4B989.' .86FEC86.05' 73' 05=A"06 ' ; 0"40?49B' .28.' 4.' < 86' 4C : 7664 ; "0' .7' .8F0' 8 < 8@' .2060' =8.."0 ' =285B0D' 05=A"06' < 4.2' .20' =796ACC8.479' 73' .246' 0I : "74.* 20' 2057' 90?05.20"066' < 09.' .7' &8D06 ' D06.57@0D' &05@79 ' 8".27AB2' .20' B489.' < 86' 6A==7A50D' ; @' KA97 ' 89D' =85540D' 8 < 8@' 8""* .20' =8.."0' .7' 45@9.2A6* 1 =G =75D49B' .7' 05?496 ' &05@79' < 86' F49B' 73' .20' .2500' 8"0854=' 46"89D6 ' 8 75=8 ' 4975=8 ' 89D' ?4=8' ' 357C' < 24=2' =45=AC6.89=0' .20' 89=409.6' 28?0' C8D0' 24C' < 4.2' 8' .2500E37"D' 60.' 73' ; 7D406' 89D' "4C ; 6* 1 9' "8.05' 8B06 ' .20' : 07 : "0' 73' &8D06' M97 < ' M% ' 50?0509=49B' .20' ?8"7A5' 73' 05=A"06 ' D0G D4=8.0D' 8' .0C : "0' .7' 246' C0C75@' A9D05' .20' 98C0' 73' ; ' 1 1 00' & P

[# ' # *

T' 20' =7C ; 8.' 73' 05=A"06' <4.2' &05@7A' M7 ; G 605?06' # 0' (4..0N' 46' 34BA50D' 79' 744"@' 790' ; 5866' =749' 73' 75409.8" 38 ; 54=' 89D' 73' <24=2' .2050' 850' ; A.' .<7' 6 : 0=4C096' 0I.89.# 20' 37""7<49B' 46' 8' D06=54 : .479' 73' .20' : 40=0' / 1 1) ' 05=A"06' 85C0D' <4.2' .20' ="A ; ' 8AD' <08549B' .20' "479L6' 6 : 74"6 ' 49' 8' 34B2.49B' 8..4.AD0* 1 6 ' &05@79' <4.2' .2500' 208D6' 08=2' =7?050D' <4.2' 8' 25@B489' =8 : ' 89D' 85C0D' <4.2' 8' 57A9D' ; A=F"05' 49' .20' 8=.' 73' =7CG ; 8..49B'# *p'# H*

T' 20' 8 ; 7?0' <86' 97.' "79B' 8B7' .20' 79"@' C0D8" F97<9' 86' 7330549B' .20' .@ : 0' 73' 05=A"06' 34B2.G 49B' <4.2' .20' .54 : "0' F49B' 73' ; 0548'# A.' 5'# 8CA0" 45=2' 286' 50=09."@' : A ; "4620D' 8' 5850' ; 5866' C0D8""479' 73' &858=8""8' 6.5A=F' 8.' "89D76' 49' @D48'# 246' C0D8""479' 46' : 50605?0D' 49' .20' 54G .462' A60AC'# .6' 50?0560' .@ : 0' 0I24 ; 4.6' 05G =A"06' 85C0D' <4.2' .20' ="A ; ' 604I49B' .20' 208D6' 73' &05@79' 34BA50D' A9D05' .20' 375C' 73' 8' "4.."0' C89' 09.450"@' 98F0D' 28?49B' .2500' 208D6'# 9' .20' "03.' 85C' .20' .54 : "0' B489.' =855406' 8' ; A=F"05' <24=2' 5060C ; "06' 8' <200"'# 9' .20' 340"D' 73' .20' =749' 850' .<7' 7I09'# *p'# , ' >*U

'# 0' (4..0' =79.09D6' 375' .20' 648.4=' 754B49' 73' .20' C@.2' 73' &05@79' 50C85F49B' .28.' T' 8' .58D4.479 ' : 50605?0D' ; @' 8A689486' : "8=06' .20' .7C ; ' 73' &05@79' 49' @DW*U' 20' =749' 73' "89D76' 8""AD06' .7' .28.' "7=8" C@.2 1 8' =45=AC6.89=0' <24=2' 20' 50B85D6' 86' =7557 ; 758.4?0' 73' 246' 7<9' ?40<6' 79' .20' 6A ; 0=.*

20' "0B09D' * " ' & ! ' 8 : : 0856' 79' 89' 0 ' 73' 8D5489' ; A.' .20' .@ : 0' 73' .28.' =749' D706' 97.' 50 : 50609.' 05=A"06' 34B2.49B' <4.2' MK05@79/ 2A.' .20' 99=79A050D' 2057' 27"D6' .20' 8 : : "06' 73' .20' 06 : 054D06'# <24"6.' 8.' 246' 300.' 46' .20' 50=ACG ; 09.' 34BA50' 73' =089A6*

7'# , , * 1 ' * 1 05=A"06' (506.G "49B' <4.2' 9.80A6' 6A337=8.06' 24C' 49' 246' 85C6* 1 ' &7"D' 73' 76.9CA6' 375C05"@' 73' .20' ') ' ' ! ' D468 : : 0850D' 8.' .20' .4C0' 73' .20' 57 ; ; 05@' 49' , H,'# 47990.' I'# 44'# : '# , * 1 246' : 40=0' <24=2' <4""' ; 0' 37A9D' 49' 89DA54L6' <75F' MI'# 4'# > N ' <86' 09B58?0D' 83.05' 8' =86.' : 50605?0D' 8.' .20' 509=2' 96.4.A.0*

^ 82"0' .0""6' 96' .28.' <209 ' 49' .20' =7A560' 73' 246' : 050B5498.4796 ' 05=A"06' 8554?0D' 49' @ ; 48 ' 246' : 57B5066' <86' 7 : : 760D' ; @' 8' C4B2.@' B489.' 98C0D' 9.8 A6' 679' 73' 0 : .A9A6' 89D' 0558' <2760' 6.509B.2' 86' 8' <506."05' <86' 49?49=4 ; "0' 67' "79B' 86' 20' 50C8490D' 49' =79.8=.' <4.2' 246' C7.205' 085.2'# 786.49B' .28.' 20' <7A"D' 5846' 8' .0C : "0' .7' 246' 38.205L6' 2797A5' <4.2' .20' 6FA""6' 73' .2760' <27C' 20' =79SA050D' ' ' ' 20' =7CG : 0""0D' .20' 6.589B056' <27' =8C0' .7' .20' =7A9.5@' 73' 5868' 73' <24=2' 20' <86' F49B' .7' 09B8B0' 49' 8.2"0.4=' =7C ; 8.' <4.2' 24C' 89D' 6"0<' 246' 89.8B7G 946.6' <209' 20' 28D' 0I28A6.0D' .20C' <4.2' 38.4BA0*

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8?49B' =28""09B0D' 05=A"06' .20' =5A0'# 68?8B0' <86' .2500' .4C06' : 576.58.0D?; @' .20' 49.50 : 4D' 2057' ; A.' 49' ?849'# 05=A"06' : 05=04?49B' 8.' "09B.2' .20' 67A5=0' 73' .20' B489.L6' ' 89D' 60=A54.@' "43.0D' 24C' 9 : ' 357C' .20' B57A9D' 89D' =A60D' 24C' .7' 0IG : 450' ; @' ?47"09."@' =7C : 506649B' 24C' 49' 246' 85C6Q*

T' 9' .20' 605406' 73' .20' .<0"?0' "8 ; 7A56' M7 ; 605?06' # 0' (4..0N' .20' <506."49B' 73' 9.60A6' 46' 6A ; G 6.4.A.0D' 79' .20' 50?0560' 73' 76.ACA6' 375' .20' .8F49B' 8<8@' 73' .20' 8 : : "06' 73' .20' 06 : 054D06* 1 ' 7C0.4C06' 49' .20' 6A==066479' 73' .20' "8 ; 7A56' .20' 75D05' 46' =289B0D'# .' 7.205' .4C06' 67C0' 6A ; G 0=.6' 850' 7C4..0D' 75' 790' 73' .20' .<0"?0' B508.' "8 ; 7A56' 46' 50 : "8=0D' ; @' 790' 73' .20' 7.205' 0I : "74.6' 73' 05=A"06'# .' 46' .2A6' .28.' 8A689486' 49' D0G 6=54 ; 49B' .20' : 0D4C09.' 73' .20' .0C : "0' 73' 05=A"06' 57C8=276' 8.' 20 ; 06' C8F06' 8' 50C85F' .28.' 58I4.0"06' 496.08D' 73' .20' =7C ; 8.' 8B8496.' .20' ; 45D6' 73' .@C : 28"A6' 89D' 320' ="089649B' 73' .20' AB089' 6.8 ; "06' 49' 7.205' <75D6' .20' D5849E0' 49B' 73' .20' =7A9.5@' 73' "46' 28D' 49.57DA=0D' .20' =79.06.' <4.2' 9.60A6'# 7507?05' .20' 6=090' 73' .246' <506."49B' <4.2' .20' B489.' 86' <0' 86' .20' B85D09' 73' .20' 06 : 054D06' <86' : "8=0D' 49' @ ; 48' .209=0' .20' 0 : 4.20.' @ ; 4=A6' <24=2' 05=A"06' 20856' 79' .20' ' 73' 76.AG CA6' 89D' 05?496' B4?06' 4.' .7' ; 0' A9D056.77D' .28.' 4.' <86' 49' : A56A49B' 246' =7A560' .7<85D6' .20' 8 ; 7D0' 73' .20' 06 : 054D06' .28.' 05=A"06' ?89SA4620D' 9.60A6* 1 T' .0C' 8D' 06 : 054D06' : 0550I4.' 0.' 9E' .260AC' 34"49C 05560' ?4=.AC' "A=.8.4790' 90=8?4.*U' 7C0' : 849.0D' ?8606' 89D' 60?058'# &500F' =7496' 0I24 ; 4.' .20' =793"4=.' 73' 05=A"06' <4.2' .20' 4 ; @89' 8.2"0.0*t 246' B57A : ' 46' 8"67' 37A9D' 79' 8' 6C8"'# ; 5866' 73' 8I4C489A6' 05=A"06' ' <4.2' .20' "0B09D' + + ' *U

7'# , >* 1 4' 4 4*' " %' 05G =A"06' <4.2' .20' = AKN' 89D' "479L6' 6F49' 79' 246' 627A"D05' D58B6' 05 ; 05A6' 09=28490D'# 4""79' 73' 76.ACA6' 49' .20' 4C : 0548'# 89D' 57@8'# =8 ; 490.' 73' 40998* 1 : 89204C' 4'# > [' ' 47990.' 44'# , ' 89DA54' 4'# >a, *

^ 20' .<0"3.2' 89D' "86.' "8 ; 7A5' 73' 05=A"06' <86' .28.' 49' <24=2' =79DA=.0D' ; @' 4905?8' 89D' ; @' 05=A5@' 20' D06=09D0D' 49.7' .20' F49BD7C' 73' "A.7' <209=0' 20' D0"4?050D' 2060A6' 89D' D58BG B0D' 375.2' 49.7' .20' "4B2.' 73' D8@' .20' <8.=2ED7B' 73' .20' 4930598'# 50B4796'# A5@6.20A6' 27<0?05' 83.05' 28?49B' 6009' .28.' .54 : "0E208D0D' C796.05' 75D050D' 05=A"06' .7' "08D' 24C' 28=F' 8B849'# 3' .246' =57<949B' 89D' ="7649B' .548"' A6794A6' 649B6 1 '

05 ; 05A6' 0I.50C4' 69 : 50C8' 06.' C0.8' "8 ; 7546*

20' C@.2' 73' 05 ; 05A6' D06=54 ; 06' 24C' 86' 2759' 73' @ : 279' 89D' =24D98' 2AB0' 49' 64\0' 01.50C0"@' =5A0"' <4.2' 8' .0554 ; "0' ?74=0' 8AD' 73' 0I.5875D4985@' 6.509B.2'# &A85D' 73' .20' B8.06' 73' 20"'' 89D' 73' .20' D46C8'# : 8"8=0' 73' 4.6' 67?0504B9' .246' 30853A'# D7B' <86' 97.' 06' =A9949B' .289' 3057=47A6' 20' 38<90D' A : 79' 89D' B8?0' 8' D0=04.3A'# <0"=7C0' .7' .2760' <27' 09.050D' ; A.' 20' 90?05' : 05C4..0D' .20C' .7' B7' 7A.' 8B849' 89D' D0?7A50D' .2760' <27' 8.G .0C : .0D' .7' 06=8 : 0' 357C' .20' D85F' 508"C6' 73' T' B"77C@' . N 1 0D' 4 49' . ' ' ' !) ' 375' 89' 85.4="0' 79' 05 ; 05A6' 3A"'# 73' <0""E' =79D0960D' C@.27"7B4=8"' 49375C8.4790*

20' 6A ; 0=.' 46' .@ : 4340D' 79' 8' B508.' C89@' : 849.E

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73' 9.7949A6' .7' 506.750' 89' 7"D' "7=8'# .58D4G .479 1 98C0"@' .20' 68=5434=0' :05375C0D' ;@' 05G =A"06' ;03750' .20' B4#08.' 8".85' " ' %' 8.' #7C0' 89D' 20' D06=54;06' .20' :40=0' 86' 0124;4.49B' .20' D0C4EB7D' ' <4.2' 49854A6' 89D' 7.4E' .496' 79' ;A9D"06' 73' B5866'# 20' ?4906' 89D' ?8606' 89D' 06:0=48""@?.20' 2AB0' ;7<'# 8;7?0' .20' B508.' 8".85' 20' =7964D=50' .7' 49D4=8.0' 8' "4;8G .479' :7A50D' 7A.' ;@' .20' 285DED549F49B' 2057' "; ')) % 1 =F20"' 79' .2D' 7.205' 289D' 01G :"8496' .20' .@:0' 86' 8""A64?0' .7' .20' ;89SA0.' 49G 6.4.A.0D' ;@' 05=A"06' 24C60"3' 83.05' 20' 28D' :A.' 8=A6' .7' D08.2'# 246' 3086.' <86' 83.05<85D6' C8D0' 8A' 899A8'# 790' .20' 498548' 89D' 7.4.48' 38C4"406' ;049B' .20' 6A:0549.09D09.6' 73' .20' 68=50D' =050E' C7A406' .7' <24=2' 45B4'# 58.205';=7:47A6"@' 8""AD06" ' ?44'# > N'# 20' BA06.6' 8.' .2060';89G SA0.6' D4D' 97.' 866ACO' .20' 50=AC;09.':76.A50'2A.' '8.' .8;"0'# 246' <7A"D' 600C' .7' ;0' 8' :0=AG "4854.@' 73' .20' 3086.' 375' 68@6 8=57;4A6' M=4.0D' ;@' =F20"' ?44'# H N' T .' 46' 8' D46.49BA46249B' =A6.7C' =7990=.0D' <4.2' .20' <75624:' 73' 05=A"06' .28.' .20' BA06.6' 850' '8.' .20';89SA0.'# 75G 90"4A6' 8";A6' 49' 246' ,.2';77F' 68@6' .28.' 49' .20' =050C79406' 73' .20' '4.' <86' =A6G .7C85@' .7' 28?0' 97' K 2 1 00' ; ' ' ' 20' B508.' 8".85' 73' 05=A"06*1 'D09854A6' 73' .20' 9.48' BO96' 286' 375' 4.6' 7;?050D"0B 4D' ' 89D' 375' .@:0' 89' 8".85' <4.2' 3"8C0' F49D"0D'# .6' 50?0560' 0124;4.6' .20' 98C0' 73' =# ' 89D' .20' 208D' 73' 8';A"'' 75G 98C09.0D' <4.2' .20' $ ' 7C:8549B' .246' =749' <4.2' 897.205' 73' .20' 68C0' 38C4"@' 79' <24=2' 8' 98F0D' 05=A"06' 46' =855@49B' 246' ="A;' A:"43.0D' 49' 790' 289D' 89D' 8' .57:2@' 49' .20' 7.205' =F20"' 46' 73' 7:49479' .28.' .20' 8".85' =8""0D' '8.' #7C0' D0D4=8.0D' .7' .20' 8;7?0E98C0D' D0C4EB7D' 46' 2050' 50:50609.0D'# W

; ' ' '4 ' $' ';+ *1' 246' 6A;0=.' 46' 67' ?8BA0' 49' 4.60"3' 89D' .508.0D' 0?09' 86' 8' C@.2' 49' 67' A968.4638=.75@' 8' C89905' ;@' :70.6' 89D' 6=27"486.6' .28.' 4.' <7A"D' 6=85=0"@' ="84C' 97.4=0' 8C79B6.' .20' 01:"74.6' 73' 05=A"06' ;A.' 375' .20' 3490';86E50"4036' 89D' 7.205' C79AC09.6' 73' 89.4SA4.@' 79' <24=2' 4.' 46' B57A:0D' 06:0=48""@' 79' .28.' 97';"0';5866' C0D8""479' 73' 9.7949A6' 4A6' 49' .20' ') ' ! ' 357C' 8' =86.' 83.05' <24=2' .20' 8;7?0' <77DE=A.' 46' 010=A.0D* ^ 20' 06:054D06' 850' D06=54;0D' .7' 28?0' ;009' .2500' M67C0' 68@37A5N' @7A9B' <7C09' =0"0;58.0D' 75' .2045';08A.@' D8AB2.056' 73' 06:05A6' 20@

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<050' 8::749.0D' .7' BA85D' .20' B7"D09' 8::"06' 73' 8' .500' :"89.0D' 49' 8' D0"4B2.3A'# B85D09' 64.A8.0D' 9085' 7A9.' ."86' 49' 354=8'# A.' .20' 9@C:26' 49G 6.08D' 73' :50605?49B' .2045' 6:"09D4D' =285B0' 357C' D0:50D8.479' <050' 8"<8@6'B8.20549B' 375' .2045' 7<9' 08.49B' KA97' .20503750' =7934D0D' .20' =850' ;7.2' 73' .20' 35A4.' 89D' 73' .20' 06:054D06' .20C60"?06' .7' 8' .0554;"0' 605:09.' <24=2' 90?05' 6"0:.'# .' <86' 4C:760D' ;@ 4C@6.20A6' 86' 89' 01.58"'8;7A5' 79' 05=A"06' .7' :57=A50' 67C0' 73' .20' B7"D09' 8::"06' 357C' .20' B85D09' 8;7?0' 98C0D'# 246' 20' 0330=.0D' 83.05' 28?49B' F4""0D' .20' <8.=23A'# C796.05' <2760' D508D3A'# 37"D6' <050' 8"<8@6' =74"0D' 857A9D' .20' .500' <24=2' ;750' .2760' :50=47A6' 35A4.6Q* 9' .246' C0D8""479' .20' 2057' :0567943@49B' C89"@' 6.509B.2' 89D' 6@CC0.5@' 49' :0530=.479' 83.05' 28?49B' 6"849' .20' 605:09.' <24=2' 50C8496' 09.<490D'8;7A.' .20' .500' 0"0?8.06' 246' 54B2.' 289D' 86' 43' 8;7A.' .7' :"A=F' 790' 73' .20' 8::"06'# 0' 27"D6' 49' .20' 7.205' 289D' .20' ="A;' 89D' .20' "479L6 6F49'# 9' .20' 7.205' 64D0' 6.89D49B' ="760' .7' .20' .500' 850' .20' .2500' 9@C:26' <2760' 90B"0=.' 73' DA.@' 8==75D49B' .7' .20' 38;"0' "0D' .7' 89' A9D05G .8F49B' 3A"'# 73' D89B05' .7' 05=A"06' ;A.' <27' 6A=G =00D0D' 4S' ;549B49B' 8<8@' .20' B7"D09' :57DA=0' 73' .20' .500' 89D' 49' 50"68649B' .20' 06:054D06* ; ') & ' ' ' + (' :'# '# '# =76'# 49*E '.0C:"0' <4.2'.<7'=7"AC96' <4.249' <24=2' 8' 98F0D' C8"0' 34BA50' 6.89D6' <4.2' 8' ="A;' 49' 246' 54B2.' 289D' <24"6.' 8' D58:0D' 30C8"0' 79' 246' 54B2.' 89D' 897.205' 79' 246' "03.' 8:G :085' 09D08?7A549B' .7' 8..58=.' 24C' 08=2' .7' 205' 64D0'# &7"D' 73' 8D5489*

246' =749' 49?7"?06' 49' 4.60"3' 8' C758'# 6A;0=.'# 20' 50C85F8;"0' .@:.46' 01:"8490D' 49' .20' <75D6' 73' 4=057' 24C60"3" . ' 1$ ' 4'# =' H>N'# =G =75D49B' .7' +097:279' T' 05=A"06' 57D4=4A6' 86' 6779' 86' 20' 8554?0D' 8.' @0856' 73' :A;05.@' 8' .4C0' 8664B90D';@' 8.A50'375'0?05@'49D4?4DA8'# .7' =2776' 246' :8.2' 49' "430' <09.' 375.2' 49.7' 67C0' D0605.' 6:7.' 89D' 64..49B' .2050' 8' "79B' .4C0';@' 24C60"3' <86' CA=2':05:"010D' <4.2' D7A;.6' <24"6.' 20' 50G 3"0=.0D' .28.' .2050' <050' .<7' <8@6' .20' 790' 73' "086A50' .20' 7.205' 73' 45.A0*U' #06:0=.49B' .246' 05=A"06' 57D4=4A6' =F20'# 503056' .7' +097:279' %A49=.4"489' 89D' 7.2056' 09AC058.0D';@' 7..05U' " ' ' ! '44'# 02'# , N* 20' 38;"0' <86' 83.05<85D6' 0"0B89."@' 8::"40D';@' 4"4A6' .8"4=A6' "# ' I?'# '# > N' .7' .20' 0"D05' 354=89A6' 89D' 49' "8.05' .4C06' 86' <0' 2050' 600' .20' C790@05' =7C:8506' 8D5489' <4.2' 05=A"06'# 75' 86' .28.' D0C4EB7D' <4.2' 8' D46:764.479' 8?0560' .7' :"086A50' =2760' 8' "430' 73' 60?050' D46=4:"490' 89D' ;@' 01.05C498.49B' <4.2' ?86.' 01O5.4796' .20' C79G 6.056' .28.' 49306.0D' 4.' 506.750D' .589SA4""4.@' .7' .20' <75"D 1 67' 8D5489' 8"67' 06=20<49B' .20' 8""A50G C09.6' 73' 8' "AIA547A6' "430' :5030550D' <4.2' 8' 50G C85F8;"0' 09DA589=0' 73' 38.4BA0' .7' .58?0'# 7?05' .20' #7C89' <75"D' 89D' ;@' =286.4649B' .20' 01.75G .4796' 73' .20' B7?059756' 73' 4.6' :57?49=06' ;@' 60.G ."49B' "0B8'# D46:A.06' 89D' ;@' 8""0548.49B' .20' =79G D4.479' 73' .20' D06.4.A.0' .7' "08?0' ;0249D' 24C' 4CG :054628;"0' C79AC09.6' 73' 246';090?7"09=0*1 (0' 2850' 8"508D@' 6009' .28.' 8D5489' 46' =7C:850D

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KA:4.05'67 8I4C489A6'49"4F0'C89905';786.0D'73 05=A"06# 2A6 <0'349D'79 .20'C0D8"6'73 .20'"8..05'0C:0575' 05=A"06'.20'# '.20' ' 0 '.20' 0 '.20'#) 0 '.20' <4.2'?8547A6'8==7C:89@49B' .@:06' <24=2'0124;4.'D4330509.'"8;7A56'73'.20' B7D'89D'C89@'7.2056'7==A5'79'.2760'=7496'73' 8109.4A6'<24=2'850'496=54;0D'!* ' && / ' 246'<86'.20'508679'<2@'67C0.4C06'20'8::0856' 79'246'=7496'49'.20'<75624:'73'246'38?7A54.0' D04.@'246'208D'=7?050D'<4.2'.f.0'6F49'73'.20' "479'86'.27AB2'20'C8D0'246'679' 8109.4A6'2045' 73'.20'B"75@'6@C;7"4\0D'49'.246'50?0560# 9D' 43'<0'=7964D05'.20';85;854896'0?05@'<2050'?89G SA4620D'89D'6A;DA0D';@'24C'86'C796.056'D89G B057A6'.7'.20'0C:450' 8I4C489A6'C8@';0'06G .00C0D'43'97.' 05=A"06'8.'"086.'246'C76.'60DAG "7A6'89D'<85"4F0'4C4.8.75*U' ?44# :',a*

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76#,'89D'>N'.<7'C85;"06'D0D4=8.0D'.7'.246' 05=A"06'89D'6.8.06'.28.'.20@'<050'D46=7?050D' 49' 0"B4AC# 1 00'?8547A6'=79 0=.A506'79'.246' 6A;0=.'49'546.89' A58.754'89D'.20'8A.2756'73' .20'<75F'09.4."0D'. '6 ' '4 9'8979@C7A6'<54.05'73'#8?0998'09ACO58.06' 8C79B'.20'.7<96'64.A8.0D'79'.20'54?05' 760""0' '"4 '4?# =# > N'357C'<24=2':0528:6' .246' 05=A"06'D054?0D'246'8::0""8.479# 0<'<4""' 4C8B490'<4.2' 85DA49'" '# '?4# :'H N' .28.'20'<86'67'=8""0D'357C' 8BA68'49'" "247:48# '0@6"05'286':A;"4620D'8'C85;"0'37A9D'8.'Z=6.E' =28:0'# "i 7 8 %'79'<24=2'46'4A6=54;0D 1' # ' & 'E'E'E' # # # # * <4.2'8'34BA50'73'.20'D04.@'50:50609.49B'24C'86' 6.89D49B'98F0D'89D'27"D49B'49'246'54B2.'289D' 8'D7":249'49'246'"03.'.20'.5A9F'73'8'.500'="03.' 49'.<7'89D'8.'246'300.'8'6=75:479' " 0'F+') ':# > N'T'.27AB2'M8DD6'=F20"N',' 8C' 97.'8<850'27<'.2060'8..54;A.06'=89'8::05.849'.7' 05=A"06'6A=2'86'.257AB2'="8664=8# C@.26'<0' 850'C8D0'8=SA849.0D'<4.2'24C# 20'.@:06'73' .20'=7496'49'SA06.479'D4330S'49'97'506:0=.'357C' .20' 05=A"06'73'.20'&500F6*U' ?44# * # ' # *1 00 8;7A56' 73' 05=A"06':# [g* # # & # # # # # # # 05=A"06'6.89D49B'506.6'246'54B2.'289D'79'.20' ="A;'49'246"03.'289D'850'.2500'8::"06# 9'790' 64D0'73'24C'46'8'C89'50="4949B'79'.20'B57A9D' 79'.20'7.205'46'.20'28"3'73'8'624:# 7498B0'73' 8D5489# 9B58?0D'49'8@"A6'M 7#H aN'B7"D' 4C:0548"#605406'49'.20' ') ' ! T' 5896:75.0D'357C'.20'CO.57:7"46' @50'.7' .20'=7"79@'&8D06';' 4 ';0=8C0' =0"0;58.0D'97.'79"@'49' :849';A.'8.'#7C0'4.G 60"3'4967CA=2'.28.'8==75D49B'.7'.20'#7C89' "8<'.20' 05=A"06':3'&8D06'8=SA450D'8'::54?4G "0B0'D0940D'.7'C76.'7.205'37504B9'D04.406'73'49G 2054.49B'::57:05.@';@';0SA06.# " + '! ' ++ *N1 246'D04.@'8::0856'79'.20'=7498B0'73' 8G D5489'' 3456."@';008A60'.20'.7<9'73'&8D06'357C' 4.6'::57I4C4.@'.7'.8"4=8'246'98.4?0'::"8=0'0864"@' =7CCA94=8.0D'.7'4.'.20'<75624:'73' 05=A"06' 7C4.48' 8A"498'246'C7.205'8"67'D054?49B'205' 754B49'357C'&8D06'89D'49'.20'901.':"8=0';0G =8A60' 8D5489';@'?464.49B'8""'.20'::57?49=06'73' .20'0C:450'89D'=79305549B';09034.6'79'08=2'73' .20C'49'8'=05.849'60960'08590D'.20'98C0'89D' 2797A56'73' 05=A"06# 20'624:'D7A;."066'8""AD06' .7'.20'C854.4C0'::7<05'73'.20'&8D4.894':;A.'.20' 50="4949B'34BA50'<24=2'C76.'7.205'<54.056'28?0' :5797A9=0D'8'54?05' =F20"'8B5006'<4.2' "750\' 49'=7964D0549B'.7';0'6.4""'8'C8..05'73'D46:A.0# .' 46'97.'::0528:6'8'?05@'5862'=79 0=.A50'.7'68@' .28.'4.'46'8'34BA50'73' =08996# *.'89@'58.0'79' =7496'73' @50'.20'C0.57:7"46'<0'600' =08996'50G :50609.0D'A9D05'.20'68C0'34BA50'73'8'C89'50G ="4949B'89D'496=54;0D'9085'4.'.7'::50?09.'C4649G .05:50.8.479'.20'<75D'x,' '89D'4.'46' F97<9'.7'0?05@'790'.28.'&8D06'<86'64.A8.0D'79' .20'608'=786.*U 1. '?7"#?4#[* '64C4"85'34BA50'73'8'C89'50="4949B'8::0856' 79'8'=749'73' 8D5489'5030S549B'.7'.20'890=D7.0' 73' 05=A"06'"# %'6.89D49B';0.<009' ' 89D' + '8==7C:8940D';@'.20'"0B09D' :# # # # # "" ' DO6=54;0D'89D'09B58?0D'49

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[7 .20 68C 6A; 0=.' C8@ ;0 5030550D .20 B7"D 89D 64"?05 =7496 73 .20 68C0 0C : 0575 496=54;0D 7 6 49 75 ' * ' # ' " ' ı ' 89D .20 .@ : 0 73 <24=2 46 8 98F0D 05=A"06 64..49B ;@ 246 85C7A5 <4.2 .20 ="A;' 49 246 54B2.' 289D 89D 8 .2AAD=5E ; 7".' 49 246 "03. 9B58?0D 49 8@E "A6 B7"D 7 H *

' * 1 00 8;7A56 73 05G =A"06 7 a ' [H*

' * 1 00 8;7A5 73 05G =A"06 7 , ' [*

* 00 7C:7948 B096*

* 1 05=A"06 98F0D 6.89D6 27"DG 49B &7"D 73 ' 05A6* 1 T 7 C09G .479 M68@6 84 89.N 46 C8D0 0I=0:.' 79 89=409.' =7496 73 05=A"06 8=4305 M.20 :8=434 05=A"06N 9 89=409.' .4C06 6.579B C09 <050 =8""0D 05G =A"06 89D C89@ #7C89 :549=06 <050 0I24;4.0D A9D05 .20 98C0 89D 4C8B0 73 .28.' 2057 05A6 8"67 83.05 28?49B :05375C0D '"8;7A56 49 .20 85.2489 <85 .7 B4?0 :08=0 .7 .20 090C@ 89D <86 =8""0D ; ' ' # ')

' # *EEEE 05=A"06 98F0D 6.89D6 <4.2 .20 38=0 .A590D .7 .20 54B2. 27"D49B A:' 8 ;589=2 49 246 "03.' 289D ' < 24"6.' 20 ;0856 .20 ="A;' 89D "479L6 6F49 49 246 54B2.* 1 76.ACA6*

89DA54 46 73 7:49479 .28.' .246 5850 64"?05 =749 46 C76.' =7550=."@ .7 ;0 5030550D .7 .20 @085 > 49 <444=2 &8""409A6 D06:84549B 73 89 7:.75.A94.@ .7 8?0ABO .20 CA5D05 73 248 679 75G 90"4A6 8"7749A6 "03.' 7.3 =855@49B 79 .20 <85 <24=2 A:' .7 .28.' :0547D 28D ' <4.2 CA.A8 "766 ;009 <8B0D 49 &8A ;0.<009 24C 89D 76G .ACA6 49 75D05 .28.' 20 C4B2. ' <4.2 .20 =79D4G .479 73 .20 #7C89 B7?059C09. ' .28.' 4.' <86 A9G 8;"0 .7 6A6.849 8B8496.' 790 6A334=409."@ 375C4DG 8;"0 090C@ .<7 <856 8.' .20 68C0 .4C0 A.

1) 1 ' # ' ' &

4?6 +E 8A508.0D 208D 0I24;4.49B .20 "4F09066 73 .20 0C:0575 ;A.' =7?050D <4.2 8 "479L6 6F49 ' ;049B 49.09D0D .7 50:50609.' 749E C7DA6 86 05=A"06*

^ 5866 C0D8""47A ' 09B58?0D 83.05 8 =86.' 357C .20 754B498 49 .20 ') ! 064D06 .20 ?05@ 3490 :50605?8.479 8AD 24B2 50"403 73 .246

.246 =749 620<6 .28.' 76.ACA6 =2760 .7 86=54;0 .20 8==0:.0D :08=0 .7 246 7<9 ?8"7A5 58.205 .289 .7 .20 =8"8C4.406 73 .20 6.8.0 2050 850 64C4"85 :40=06 49 ;5866 ?7" 4 :>a>*

' # ' & *EEEE 246 "0B09D 8:.0856 79 8 64"?05 =749 73 7CC7DA6 <24=2 286 375 4.6 .@:0 05=A"06 6.89D49B 20 27"D6 246 ="A;' 89D "479L6 6:74"6 89D 46 =57<9G 49B 8 .57:2@ 9 3456.' 89D 60=79D ;5866 73 .20 8;7?0 0C:0575 <4.2 .20 68C0 "0B09D <0 600 49 .20 :"8=0 73 05=A"06 79"@ 246 8..54;A.0 73 .20 ="A;' 04.205 ;@ 4.60"3 :"8=0D A:54B2.' <4.249 8 "8A50" =57<9 75 8==7C:8940D ;@ 8 ;7< 89D SA4?05*

' # 4 h479 * 1 05=A"06 D54?49B 8 :"7AB2 <4.2 7I09* 1 9 .20 7.205 64D0 73 8 B7"D C0D8" 46 .20 208D 73 7CC7DA6 =7?050D <4.2 .20 "479L6 6F49*

7CC7DA6 =8554D 246 54D4=A"7A6 ?894.@ 89D :506AC:.479 67 385 86 .7 =8A60 24C60"3 .7 ;0 =8""0D .20 @7A9B KA:4.05 89D .20 #7C89 05G =A"06 M 05=A"06 ABA6.A6 75 7C4A7D489A6N* 1 20 8;7?0 .2500 =7496 3A59462 8DD4.4798" :5773673 .246 38=.' 86 50B85D6 .20 "8..05 866AC:.479 .' 8:.0856 .28.' 49 75D05 .20 ;0..05 .7 8==AC:"462 246 :50:76.057A6 D064B9 20 "84D D7<9 .20 "8A50" =57<9 <24=2 0C:05756 <050 8==A6.7C0D .7 <085 8330=.49B .7 =7?05 24C60"3 <4.2 .20 "479L6 6F49 89D .7 =855@ 8 ="A;' "4F0 05=A"06 0 8:.0850D 49 :A;"4= 49 .246 =76.AC0 8AD <4.2 .2060 8=E =7A.50C0A.6 46 6.8.A06 89D 246 C0D8"6 73.09 50:50609.' 24C 49 .246 90<' D5066 9D00D 28?G 49B B4?09 CA".4:"40D :5773673 246 :57D4B47A6 6.509B.2 8AD 0?09 73 :2@64=8" =7A58B0 49 ?89SA46249B D4?056 3057=47A6 894C8"6 4A .20 45=A6 20 C4B2.' <0"" 79 .28.' 8==7A9.' ; ' =7CG :850D .7 05=A"06*

20 "86.' SA7.0D =749 ;08549B .20 0I.5875D4G 985@ 496=54:.479 73 1 T 7 05=A"06 .20 7A9D05 73 #7C0 U 286 5030509=0 .7 .20 496894.@ 73 7CG C7DA6 49 D0=50049B .7 =289B0 .20 =4.@ 73 #7C0 49.7 8 ' 33 ;08549B 246 98C0 1 00 / 1 ' K ' ' ' :# >H *

' # ' &# # # #* * + # # ' * 1 05=A"06 6.89D6 "089G 49B <4.2 246 "03.' 85C' 79 .20 ="A;' <24=2 46 :"8=0D 79 8 57=F 46 "03.' 289D B586:6 8 ;7<' ;0249D <24=2 289B .20 "479L6 6:74"6 46 54B2.' 289D 506.6 79 .20 24:# 9 8..4.AD0 <24=2 .20 85.46.6 73 89.4SA4.@ <050 379D 73 8664B949B .7 .2045 6.8.A06 73 .246 2057*

H >

*

&8";8' 89D F0:.' BA85D 49' #7C0# " ' ;
4# =2# *N "" .2060 =4.:AC6.88=06 C8@ 28?0
=7C;490D .7 49DA=0 8 50:0.4.479 ' 79 06:A648.36
=7496 ' 73 8 .@:0 350SA09."@ 7;605?0D 79 .2760 73
&8";8# 246 =749 8::0856 .7 28?0 ;009 6.5A=F
8.' #7C0 4CC0D48.0"@ 79 .20 8==066479 73 066
:86489 ' 89D <24"6.' 20 <86 6.4"" :;609.' 8;578D
375 ' .279B2 4.' 46 73 A9D7A;.0D 89.4SA4.@ L@0.' .20
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<0 D7 97.' 349D 79 246 "8.05=7496 .20 :"8=0D
;0375 .20 + N 1 20=749 49 SA06.479
46 97.' 49="AD0D 49 .20 =8.8"7BA0 73 04.205
47990.' 75 F05C89#

*

00 =F20 6 50C85F6 79 .20 58;;4.' 86 8 6@CG
;7" 73 46:8948 ' 49 246 + .7 .20 =7496
!73 46:8"448 ' 7"# 4# :# *

* # # *1 '"85B0
;5866 =749 73 &8";8 ;08549B .246 50C85F8;"0 48E
6=54:.479 ' 46 0SA8""@ 50C85F8;"0 375 4.6 3490"@E
D064B90D .@:0 09B58?0D 8;7?0# 20 0C:0575
48.2050 6009 ' 608.0D ' 85C0D <4.2 8 =A45866 ' .20
208D =57<90D <4.2 "8A50"# 0 27"D6 .20 +
49 246 "03.' 289D 89D 01.09D6 246 54B2.'
.7 8 <7C89 <27 6.89D6 7::764.0 .7 24C# 20
46 ="7.20D 49 8 "79B 3"7<49B 57;0 89D 27"D6 49
205 "03.' 289D 8 2759 73 :"09.@ ' <24"6.' <4.2 205
54B2.' 620 :50609.6 .20 34BA50 73 8 4=.75@ 75
67C0 .57:2@ .7 .20 0C:0575# #7A9D 4.' <0
S';+ ' W3M:4=48N*
20 0I:"898.479 73 .20 6A;0=.' 506.6 09.450"@
79 .20 37""7<49B 6.8.0C09.' 73 A0.794A6 M=2# aN
.28.' &8";8 <209 2064.8.49B <20.205 20 627A"D
8==0:.' .20 67?0504B9.@ T' <86 09=7A58B0D .7 D7
67 ;7.2 ;@ .20 C76.' 38?7A58;"0 8A6:4=06 89D
7C096 89D 8"67 ;@ .20 :50D4=.479 73 8 ?45B49 73
B77D ;45.2 .7 <24=2 <86 8DD0D .20 =45=ACG
6.89=0 .28.' .20 :5406.' 73 KA:4.05 8.' ' 49G
6.5A=.0D ;@ 8 D508C ' 28D D46=7?050D 49 .20 '
73 .20 .0C:"0 .20 60"3E68C0 ?05606 64C4G
"85"@ :5797A9=0D ;@ 8 @7A9B :57:20.066 .<7
2A9D50D @0856 ;03750 .20 :A5:75.' 73 <24=2
?05606 <86 .28.' 8.' 67C0 3A.A50 .4C0 8 :549=0 75
$' &' <7A"D 85460 49 46:8948*U 1
(0 CA6.' 97.' M68@6 =F20"# ?4# >a N 7C4.' <28.'
"A.85=2 " 1) :#, [[N 50"8.06 ?4\# .28.'
&8";8 79 208549B 73 .20 D08.2 73 49D0I 50G
.450D .7 7"A948 89D 8=.A8.0D ;@ 50:09.89=0
375 246 :86.' =79DA=.' 89D 8 "79B49B 375 246 375G
C05 "430 73 0860 .77F 97 D0=4D0D 6.0:6 79 246
7 ?9 8==7A9.' ;A.' 50C8490D 8.' .28.' :"8=0 .4""# .20
F ' <86 ;57AB2.' ;@ <24=2 .20
0C:450 <86 D0=500D .7 24C# 2050 46 97 D7A;.'
.28.' .20 E B 73 "A.85=2 46 4D09.4=8" <4.2
.20 ' C09.4790D 79 .20 =749 9D .28.' .246
=4.@ <86 89 06:0=48" 38?7A54.0 <4.2 &8";8 ;7.2
79 8==7A9.' 73 .20 :50D4=.479 8;7?0 8""9D0D .7
89D 86 ;049B .20 :"8=0 <2050 20 <86 3456.' 866A50D
73 246 8==066479 .7 0C:450 49 =7960SA09=0 73
<24=2 20 "78D0D 4.' <4.2 2797A56 89D ;09034.6 86
46 :57?0D ;@ 246 =79305549B A:79 4.' 0?09 .20 D46G
.49BA4620D 98C0 73 F + 86 .06.4340D ;@ .20
=749 ;0375 A6*U
& # #' # *1 4=.75@
=57<949B 20 0C:0575 <27 6.89D6 49 8 C4"4.85@
D5066 27"D49B 49 246 54B2.' 289D 8) 79
<24=2 8::0856 .20 C797B58C 73 2546.' 89D 49
246 "03.' 8 6:085# 0=79D ;5866*1 00 $!

246' 46' 8' =749 ' =7CC79' 49' A96.89.4A6' *' 89D' 0.58947 ' .27AB2' 5850' 49' &8""A6*' 20' C7G 97B58C' 73' 2546.' M600' .20' <75DN' <86' 49.57G DA=0D' ;@' 75D05' 73' 796.89.490' .20' &508.' 79' e8' 6.89D85D ' <209' 60..49B' 7A.' 79' 246' =8C:84B9' 8B8496.' 8I09.4A6*' 246' 6.89D85D' ;049B' =85540D' 49.7' .20' C4DD"0' 73' .20' 589F6 ' <2050' .20' D89B05' 8::0850D' .7' ;0' B508.06.' 89D' 49?8548;"@' ;549B49B' ?4=.75@' <4.2' 4.' 8==75D49B' .7' A60;496 ' 4.' N.' "09B.2' ;0=8C0' .20' ;0"403' .28.' 6A==066' <86' .7' ;0' 8..54;A.0D' .7' .20' 6.89D85D' 8"790 ' 89D' 209=0' 46' B8.2050D' .20' 60960' 73' .20' "0B09D ' ' ! & ' 1 4 ' , ' <24=2 ' 49' 8"" :57;8;4"4.@ ' <86' 496=54;0D' A:79' .20' 8=.A8*' 6.89D85D*' 7C0' 28?0' 5030550D' .246' 50?0560' .7' .20' =5766' 6009' ;@' 79G 6.89.490' 49' .20' 208?096 ' 8==7C:89.40D' <4.2' .20' <75D6 1 * 4"" * ' ' . _ ' M64B97N' *1 00' =F20"l6' 50C85F6' 79' .20' "0B09D' ' ?444* , , *

#' 89D' * 797A5* "40' #7G C896 ' 97.' 68.46340D' <4.2' 50=04?49B' 8C79B6.' .20' 7;0=.6' 73' .2045' <75624:' .20' B7D6' 73' &500=0' 73' B@:.' 89D' 0?09' 73' 05648 ' .27AB2.' 34.' .7' D043@' .20' ' .20' 0 ' .20' $$ ' 73' .20' C49D ' 89D' .7' 50:50609.' .20C' ;@' ?8547A6' 8..54;A.06 ' 79' .2045' C79AC09.6 ' :549=4:8""@' .2760' 73' 8' C790.8'* F49D* A=2' D4?494.406' <050' =8""0D' ' ;A.' 28D' 97.' "4F0' .20' 7.2056 ' 8' C@.27"7B4=8'* 246.75@*

* * * '@7A9B' C89' .7B8.0D ' 6.89D6 ' <4.2' 8' ;589=2' 49' 246' 54B2.' 289D ' 89D' .20' =75G 9A=7:48 ' 49' 246' "03.* 9' B7"D ' 64"?05 ' 89D' 3456.' ;5866' 73' * A50"4A6*

20' 8;7?0' 46' 97.' .20' 79"@' 7==86479' 79' <24=2' 7==A56' 79' .20' =7496' 73' .246' :549=0 1 ' T' #850' :57736' M68@6' =F20"N ' ?4#* N ' 49' .20' C49.8B06' 73' 8' @7A.23A'* 60685 ' 73' 246' ;486' .7G <85D6' 2797A5' 89D' ?45.A0 ' 0?09' 49' 6A=2' .4C06*U # *EEE1) * 1 ' * # ' * ?4# *' ' @7A.23A'* 208D' 79' .20' D09854* 73' .20' # 4 ' B096* 1 00' :* H[*

20' 7;?056 0' 73' .2060' D09854* =796.89."@' :50G 609.6' 8' 208D' 73' ' A6.' 86' 79' 64C4"85' =7496' 73' SA4""4A6' "7586 ' .20' .54AC?45 ' 6.5A=F' 8.' .20' 68C0' :0547D' .2050' 8::0856' .20' 208D' 73' * 1 ' 479' 8664A6' 6.8.06 ' .28.' 49' .20' @085' A* =* H ' 9$ ' - ' > N ' ABA6.A6' C8D0' 67C0' 8".058.479' 49' .20' B8C06' =7960=58.0D' .7' 45.A0' 89D' 7976 ' 49' =7960SA09=0' 73' <24=2' 4.' 8::0856' .28.' S94"E "4A6' 89D' A5C4A6 ' <27' 49' .20' @0856' 4CC0D48.0"@' 37""7<49B' H ' <050' 54AC?454' 790.8"06' 49' =79 A9=.479' <4.2' 894A4A6' 89D' 0.5794A6 ' 49.57G DA=0D' .20' :056794340D' 208D' 73' 08=2' 73' .2760' SA8"4.406' 79' .2045' =7496 ' M?* >H *N

H'

' ' # * [

20' "8A=08.0D' 208D' 73' 797A5' 8"67' 8::0856' 79' =7496' 73' .20' 7""48' " ' ! ' 6 ' :* > aN ' P.20E' 049C48' M:* > N ' 89D' A":4=48' 38C4"406' 3:* [N*

8 ' 46' B09058""@' D0:4=.A50D' 79' .20' C49.G 8B06' 73' #0:A;"4=89' #7C0' <4.2' 8' "79B' 57;0' 75' .7B8 ' 86' .27AB2' .20' #7C89' 8B46.58.06' D054?0D' .20445D4B94.@' 357C' .28.' D4?494.@* 20' AB8.0D' 208D6' 73' 797A5' 89D' 73' 45.A0' M75' 8"7A5N ' .20' 375C05' D064B98.0D' ;@' 8' "8A50"* =57<9 ' .20' "8..05' ;@' 8' 20"C0.' 8::0856' 79' D09854* 73' .20' A348' 89D' A=48' 38C4"406* 1 00' ' ' B096 ' : :* Haa*

' ' # * * ' (; ' 98F0D' .7' .20' <846.' 6.89D6' <4.2' 6:085' 49' 54B2.' 289D ' 89D' =759A=7:460' 49' .20' "03.' <24="6.' ' ' 6.89D6' 7::764.0' <4.2' B8"08.0D' 208D ' 8' + M ' 49' .20' 54B2.' 289D ' 89D' 8' 6:085' 49' .20' "03.' 89D' <4.2' .20' 54B2.' 377.' :"89.0D' 79' 8' 6.790* 456.' ;5866' 73' &84;8* 20' 8;7?0' 09B58?49B' 46' 83.05' 8' =86.' 357C' 8' 6:0=4C09' 49' .20' 54.462' A60AC*

(0' 28?0' 8"508D@' 6009' 79' =7496' 73' .20' A348' 38C4"@' .20' 208D' 73' 7490D' <4.2' .28.' 73' # * 9D' 2050' ;7.2' .2760' D4?494.406' 850' 50G :50609.0D' 79' .20' =7498B0' 73' &84;8 ' ;A.' <2@' .20@' 627A"D' 28?0' 37A9D' 8' :"8=0' .2050 ' =F20"* 68@6' 20' 286' 97' 508679' .7' 8664B9 ' 89@' C750' .289' .2045' 8::08589=0' 79' 8' 64C4"85' 50?0560' 73' 4.0"G "496* #06:0=.49B' .20' .0C:"0' 050=.0D' 8.' #7C0' .7' 797A5' 89D' 45.A0' 600' 4? y' I I?44* =* >[* ; ' 68@6' &06905' 46' 7==864798""@' 0I24G ;4.0D' 79' =7496' 86' .20' 8667=48.0' 73' 45.A0' 49' <24=2' =860' 20' ;0856' 8' 6:085' 86' <0"" 86' 8' =759AG =7:48* 45.A0' 6.89D6' 38=0' .7' 38=0' <4.2' 797A5' 49D4=8.49B' .28.' .257AB2' .20' .0C:"0' 73' 45.A0' .28.' 73' 797A5' <86' .7' ;0' 09.050D* A' &27A'* 49' 246' 49B0947A6' ;77F' 6 ' ' 6 0 ' ' 6 ' =4.06' .20' 38=.' 73' 84#4A6' 28?49B' ;009' .20' 3446.' .7' 050=.' 8' .0C:"0' .7' 797A5' 89D' 45.A0 1 89D' 7;605?06 ' .28.' T' .20' .0C:"0' 73' 45.A0' <86' 89=409."@' :"8=0D' ;03750' .20' .0C:"0' 73' 797A5' <24=2' 28D' 79"@' 790' B8.0' 620<49B' .28.' .20' :8.2' <24=2' "08D6' .7' 2797A5' <86' 498==0664;"0' ;A.' ;@' C0896' 73' ?45.A0* 246' M20' 8DD6N' 46' <28.' 85=A6' 85=0""A6' D064B98.0D' .7' 4C:5066' 79' .20' A9D056.89D49B' 73' .20' :07:"0' 73' #7C0' <209' 20' ;A4".' .<7' 6SA850' .0C:"06' 7490D' .7B0.205' 790' =7960=58.0D' .7' 45.A0' 89D' .20' 7.205' .7' 797A5* 9D' A9SA06.4798;"@' B508.' 2797A56' 6:549B' 357C' .20' :A50' 89D' ;08A.43A"' 577.' 73' 45.A0' <209=0' 4.' 28::096' .28.' .20@' 850' 509D050D' C750' 4""A6.547A6' C750' B"7547A6' 89D' 3A""* 73' 4CC75.8'* 50=7""0=G .4796*U' M:* H N*

' "- ' 4 % ' D8AB2.05' 73' 79G 6.89.496' *' 89D' 73' "8=4D48' <86';759' 8.' #8?0998

49' 468":490'&8A"' ' , ' 57902.'A:'8.'.20' =7A5.'73'205';57.205' 8"09.49489' A9D05'.20' 0@06'73'205'C7.205'<27'F0:.'205'A9D05'B508.' 506.5849.'620'50=04?0D'.20'.4."0'73' ' 8;7A.' ' HH';049B'.209'64I.009'@0856'73'8B0*

.'46'=790=.A50D'.28.'.246'0"0?8.479'<86'=79G 30550D'A:79'205'49'75D05'.7':50?09.'205'357C' 09.0549B'49.7'89@'C8.54C794t'09B8B0C09.';@' 584649B'205'8;7?0'.20'589F'73'8'6A;0=.' 2A6' D0;8550D'357C'C85548B0'27<0?05'620'60=50."@' =7CCA94=8.0D';@'790'73'205'0A9A=26'<27C'620' 609.'<4.2'..4"8'<27'28D'"8.0"@';0=7C0'F49B' 73'.20' A96'49?4.49B'24C'.7'=7C0'49.7'.D@' 89D'.7'C855@'205'.'46'C76.':57;8;"0'.28.'8.' .20'.4C0'73'.246'C466479'MOI8=.':0547D'A9F97<9N' 620'=79?0@0D'205'549B'.7'..4"8'86'8':"0DB0'73' 205'384.2' A.'.20';85;854=' =2403'.508.0D'205' 49?4.8.479'<4.2'8::8509.'498..09.479' 9D'620' 83.0C?85D6'D462797A50D'20560"3'89D'.20'4C:054t' D4B94.@'620'20"D';@'89'4""4=4.'=7990=.479'<4.2'8' C89'98C0D' AB094A6'205'7<9'27A6027"D'6.0<G 85D';@'<27C'620';0=8C0':50B989.' 9'.20' D46=7?05@'73'205'=79D4.479'620'<86'0I:0""0D'357C' .20':t8=0'89D'609.'9 ' ' H N'.7' 796.89.4G 97:"0'<2050' 207D76486' ' 89D' A"=20548'50G =04?0D'205'<4.2'F49D9066' .'8::0856'.28.'620' 50C8490D'49'.20' 86.'A9.4" .20'D08.2'73' 207G D764A6'<24=2'7==A550D' ' ' [' 9'.28.'@085' ..4"8'D06457A6'73'67C0':50.0I.'375'SA8550""49B' <4.2'.20' C:0575'73'.20'(06.'609.'89'0CG ;866@'.7' t09.49489'60..49B'375.2'.20'<579B6'73' 797548'89D'="84C49B'205'86'28?49B'09B8B0D' 20560"3'.7'24C'3A5.205C750'20'6CD'.28.'20' 50B85D0D'205'86'246'<430'89D'<86'09.4."0D'.7' 28?0'2D3'73'.20'0C:450'86'.20'D7<5@'73'.20' :549=066' 20'896<05'73' t09.49489'<86'.28.' 797548'<86't508D@'C85540D'M6A::760D'.7';0'8' 375=0D't"48A00'<4.2'67C0'7;6=A50':05679N'.28.' <7C09'28D'97':85.'49'.20'6A==06647'73'.20'0CG :450'89D'.28.'=7960SA09."@'246'646.05'28D'97' ="84C' 20'38.t'<85'<24=2'37""7<0D'.246'50G 3A68"' 89D'<24=2';57AB2.'67'C89@'=t8C4.406' A:79'.20'#7C896'28?49B';009'.05C498.0D'7G 97548':8660D'.20'50C849D05'73'205'D8@6'49'.t@' <2050'.2050'46'508679'.7';0"40?0'620'D40D'.27AB2' 8.'<28.'.4C0'75'49'<28.':"8=0'46'D7A;.3A"';A.' "8.05'.289' ' ' [* 20'=7496'73'.246':549=066'850'49'B7"D'89D'64"G ?05'89D'73'.20'24B206.'5854.@' 9'.2060'620'46 6.@"0D' ' ' M75' N' &# ' M75' &# N # ' ' ' &* < o 1 20' ' D06=54;0D';0"7<'46'?tA0D' ;@' 47990.'8.'>' 3589=6'89D';57AB2.'8.'.20' ?64D0'73' 0C;5'0'=7""0=.479'Uw ' ' ' &' ' ' A6.' .7' .20'54B2.'8'=5766'=9'.20'54B2.'627tD05'D7A;"0' 90=F"8=0'085E549B6'89D'20"C0.E"4F0'208DED5066' 375C0D'73'D7A;"0'D48D0C'73'"8A50"'89D':085"6*

<4.2'57A9D'0<0"'49'3579./'8;7?0'.20'208D'8' 289D'27"D49B'8'<508.2*16*1$ ' 3 !# $.' ' 4=.75@'6.89D49B'27"D49B'8'"79B'6.8"3' 6A5C7A9.0D';@'8';578D'=5766'9085'<24=2'46'8' 6.85' 9'.20'0I05BA0'= * 20'8;7?0'46'09B58?0D'83.05'8L=86.'357C?.20' 754B498"'49'.20'34906.':50605?8.479'49'.20'54G .462' A60AC* 6*1 "?6' 4 4= ' 57<A'73'"8A50"' 49'.20'C4DD"0'73'<24=2'46'.20'C797B58C'73' 2546.' 9'.20'0I05BA0'" $ ' "/ ' 47990.', ['35*N 6*1 ' ++' ' +++' 4=.75@'6.89DG 49B'27"D49B'8'=5766' M .' > '3.*N !0 * 16*1(4.27A."0B09D' 5766'<4.2G 49'8'=57<9'73'"8A50"' 79'0I05BA0'" $ ' ' .', '35ON

' .20'679'73' 207D764A6'.20' &508.'89D')," "8==4""8'<86';759'49'.20'@085' 73'7A5' 75D'H ' (209'.09'@0856'7"D'20'50G =04?0D'34L7C'246'38.205'.20'.4."0'73' ABA6.A6' 89D'8.'246'D08.2'49'Ha[' 20':5064D0D'7?05'.20' (06.059' C:450'A9D05'.20'BA85D489624:'73' .4E "4=27' 049B'8.'.20'3456.'CA=2'38?7A50D';@' 375.A90'20'SA0""0D'.20'50?7".'73'&4"D7'49' 354=8' 89D'73'7.2056'49'D4330509.':85.6'73'.20'0C:450' "854=' F49B'73'.20'&7.26'89D'#8D8B846A6'F49B' 73'.2S' A96'0"8.0D'<4.2'.2045'7==A:8.479'73'.20' ?05@'=09.50'73'.8"@'<050'=20=F0D'49'67C0'C0G C758;"0'09B8B0C09.6';@' .4"4=27'<27'0?09' .209'27<0?05'50?7"?49B'49'246'C49D':"896'375' 60=A549B'.20'67?0504B9.@'49?4.0D' "854=' 49.7' .t@'89D'7.205';85;854896'49.7'&8A"';A.'<86' :A.'.7'D08.2'<4.2'246'679' A=205496';@'246'7<9' 67"D4056'8.'#8?0998' "854=' 349D49B'97'7::7G 64.479';0640B0D'#7C0'<24=2'20'.77F'89D'68=F0D' ' , ' ';A.'D40D'6275."@'83.05'49' A=8948' <24"6.':50:8549B'.7':866'7?05'49.7' 354=8' 48' 6A==06675' .89":2A6'"08?49B'.8"@'.A590D'246' 6.0:6'.7<85D6'&8A"'<2050'20'28D'C85540D'&8""8' "8=4D48'<27C'20'28D'375=4;"@'.8F09'8<8@'3579.' 205';57.205' 7975490'89D':57=00D49B'.209=0' 49.7' 46:8948'20'D40D'8.' 85=4A790'M 85=0"798N' 1 C4D6.'.2060'D46.A5;89=06'49' .8"@'.20' "8E C8994'7==A:40D'.20':85.'73'&05C89@'8D 74949B' .20' ":6'89D'.20'589=4'A9D05' 2858C79D' &t"48' 0"B4=8'<24"6.'.20' "894'89D' 89D8"6' =7C49B'D7<9'357C'.20'627506'73'.20' t.4=' 89D' 6=7A549B'.20'&8""4r' C8D0'89'49=A56479'49.7' 46:8948'89D'.20' A5BA9D47906'50.8490D'375=4G ;"0':766066479'73'.28.':85.'73'&8A"';75D0549B'79' .20' ::05'#2490*1 50660D'79'8"" 64D06';@'67' C89@'D89B056' 79754A6'49'.20'@085' >,' =79G 30550D'.20'.4."0'73' ABA6.A6'A:79' 796.89.496' 8'C89'73'D46.49BA620D'C4"4.85@'50:A.8.479'<4.2' <27C'20'28D'8"5=9D@'8""40D'24C60"3';@' B4?49B' 24C'49'C85548B0'246'646.05' "8=4D48'.20'<4D7<' 73' .89":2A6'89D'49' >H'20'D40D'"08?49B'97

D4D' ' ' <24=2' 375C05"@' ;0"79B0D' .7' 8D8C0' A798:85.0# 20' #7C896 <75624::0D' 05575' A9D05' .20' 98C0' 73' ! ' 89D' .20@' 8"67' 8DG D50660D' .2045' 49?7=8.4796' .7' # ' <24=2' 46' 8.' 79=0' .20' 506A.". 89D' 0?4D09=0' 73' .05575* 20' 6.75@' 79' .246' :749.' 46' .28.' 4=.75@' 28?G 49B' .257AB2' .20' .508=205@' 73' .20' ' .2508.090D' .7' .859' 8B8496.' .20' #7C896' 49' 8' ;8..'0' .20@' 37AB2.' <4.2' .20' ' ' 49B' A""4A6' 76.4"496' C8D0' 8' ?7<' .7' =7960=58.0' 8' .0C:'0' .7' 8"09066' 89D' .7' 05575# 20' 090C@' <050' 3498""@' 57A.0D' 89D' 357C' .28.' 0:7=28' 8""75' 89D' 8?75' <050' 2797A50D' 86' D4?494.406' 8.' #7C0# 90' 46' 50:50609.0D' .7' .20' 3A""6' 86' 6:0=.58""@' <70E;0B790' 86' 20' .28.' T' D50<' ;8=F' 548CL6'=A5.8496'49' .20' D08D' 73' 94B2.U 1 .20' 7.205' <4.2' 0?05@' :85.4=A"85' 2845' 79' 09D' T'"4F0' SA4""6' A:79' .20' 350.3A" :75=A:490*U' 76.4"4A6' 860598' 86' 790' 73' .20' C790.8" .54ACG ?456' 73' .20' 50:A;"4=' =8A60D' .2060' .<7' 4C8G B4985@' :05679434=8.4796' .7' ;0' 09B58?0D' 79' 246' 38C4"@' D098544' <4.2' .20' ?40<' .7' 28?0' 4.' ;0"40?0D' ;@' :76.054.@' .28.' 20' <86' D06=09D0D' 357C' A""4A6' 76.4""4A6# T' 20' .54=F' 73' 89' 4964B9434=89.' :05G 679' " &% 50C85F6' =F20"' <2760' 79"@' :50.09=0' 375' 67' ?849' 89' 866AC:.479' <86' 8' =7CG CA94.@' 73' 98C0*U

9854A6' 73' 76.4"4A6' 860C8' <2050' 20' 68@6# ' 49B' A""A6' 76.4"4A6" ' 6 + ' 44# , ,' T' 30=4.SA0' 4D0C' 0.' 60:.46' D0' C894;96' ' ' ' ' 7C0' "8' A548' D8# 97C0' "A4' 3A' D0..8' 1 ' 4"6 4C4"0' :As' =50D056# 8??094660' 89=758' D0" ' M *U 1' 75B206# .257<6' 67C0' D7A;.' 79' .20' B09A490' 0I46.09=0' 73' .246' C0D8"' 79' 8==7A9.' 73' 246' 90?05' 28?49B' 6009' 4.# A.' #4==47' M:# , >N' =79345C6' 4.6' 8A.209.4=4.@' 357C' 246' 7<9' :766066479' 73' .20' =749* 1 2050' 46' 97' 6:0=4C09' 73' 4.' 49' .20' 54.462' A60AC*

"" .2060' D09854# <7A"D' 8::085' .7' 28?0' ;009' 6.5A=F' 49' 357C' .20' ' .7' ,>.2' @085' 73' #7C0' 9$ ' " ' ' .7' >N' 89D' 8==75D49B' .7' =F20"' <4.2' <27C' 8?0D79# 8B5006' ;0"79B' .7' .20' ;57.205' 73' # 860C8' <2760' 69598C0' 46' 97.' F97<9' ' 75' .7' # 76.4"4A6' 860C8' 679' 73' .20' 790' 75' 73' .20' 7.205' <27' 28D' 37AB2.' 49' ' <4.2' 40685' 49' 354=8' 8B8496.' =4:47' 89D' .20' 7.205' 8D20509.6' 73' 7C:0@' .20' &508.*

H# 1 08D' 73' 09A6' 54=2"@' 8D7590D' <482# "8A50"' 3"7<056' C4.0""8' 085E549B6' 89D' 90=F"8=0* 6 1 .*' 4 4?6' # ' <49B0D' 4=.75@' 49' 8' "79B' "4B2.' D5066' <8"F49B' =855406' 8' .57:2@' 79' 205' "03.' 627A"D05' 89D' 8' =8DA=0A6' 49' 205' "03.' 289D* 20' 208D' 73' 09A6' ;0856' 79' 7.205' =7496' 8""A6479' .7' .20' 754B49' 73' 60685# 4=.75@' 503056' .7' 40685489' :576:054.@' B4?09' ;@' 64B98" "+ % .7' 246' "0B4796# 20' 208D' 73' 4898' 79' .20' D09854A6' 7# >' ;0856' 5030509=0' .7' .28.' D4?494.@' <20.205' <75624::0D' 49' .20' :"8=0' <2050' .20' =749' <86' 6.5A=F' 75' C750' :0=A"485"@4' .20' 7;0=.' 73' D0?7.479' <4.2' .20' 38C4"@' 73' .20' C790@05*

1) 1 08D' 73' 8""86' .7' .20' 54B2.* 1 6 *1' # # " ' ; ' % 49' .20' 340"D' 73' .20' =749' 89D' <4.249' 89' 78F09' =57<9' ;0"7<' # 9' 89' A9=48' 73' ;5866* 8.49' 3456.' :A;"4620D' .246' ?05@' 6C8' 89D' ?05@' 5850' =749' 89D' 83.05<85D6' 054\794' B8?0' .20' 8..54;A.479' 73' 4.' 49' <24=2' 20' <86' 37""7<0D' ;@' 82# .20' 9AC46C8.46.6# 20' 6A;0=.' 73' .20' =749' 89D' .20' :50=460' .4C0' <209' 4.' <86' 6.58=F' 850' 0SA8""@' A9F97<9' 8==75D49B' .7' =F20" 89D' .20' 7.205' "8.05' <54.056' MD.27AB2' 67C0' 73' .20' 0"D05' 6=277" 28?0' 86=54;0D' 4.' .7' 8' =05.849' 76.4"4A6' A2A"A6' <27' <86' :50.75' 49' , ,' 9$ ' " ' , HN*

1 2050' 46' 897.205' D09854A6' 73' .20' 76.4"48' B096' 79' .20' 7;?0560' 73' <24=2' 850' .20' <75D' ' 89D' .20' ;A6.' 73' # ' <4.2' .20' 54B2.' 289D' 58460D' 9:' .7' .20' =249' 86' 49' 8' .27AB2.3A"# 8..4.AD0' ;0249D' .20' 208D' 46' 8' C4"4G .85@' "4.AA6# 9' .20' 50?0560' ' !O ' ' ;54DB0' 79' <24=2' .2500' .7B8.0D' 34BA506' 6.89D' 86' 79' .20' ' ' 73' .20' 7C4.48' .7' B4?0' .2045' ?7.06*

246' ?05@' 5850' =749' =796.4.A.06' 89' 2797585@' 50:50609.8.479' 73' .20' ' ' 8.' #7C0' 49' <24=2' .20' 76.4"44' 8""AD0' .7' .20' 0"0=.479' 73' A A6V 76.4"4A6' <24=2' .20' #7C896' =85540D' ;@' :7:A"85' 6A3358B0' 8==75D49B' .7' 8?05=8C:' 49' <24=2 7:49479' =F20"' =79=A56*EEEE 8?0D794' 8DD6 1 T' 4=057' :749.6' .7' .20' .5A0' 89D' 67"0'98.A50' 73' .20' 89=0 4' 73' .20' 7C4.48' 86' 0I24;4.0D' 79' 8' D0E

/ % ' 60=79D' 679' 73' 58 89A6' 0=4A6' <86' =508.0D' 60685' 8.' .20' 68C0' .4C0' <4.2' 246' ;57.205' 050994A6' .5A6096' ' ' > a' 89D' 79' .20' D08.2' 73' 246' 38.205' ;049B' :57="84C0D' C:0575' ;@' .20' 098.0' 504B90D' 49' 8667=48.479' <4.2' 50279489A6' &8""A6' <27C' .20' 67"D4056' 0"0=.0D' # #>[,# 9' 75D05' .7' .20' :57:05' A9D056.89DG 49B' 73' .246' :549=0L6' 246.75@' 89D' =7496' .20' 37"G "7<49B' 50SA464.0' :85.4=A"856' 850' :50C460D' ;@' =F20"/1 T' 28.' D8549B' .20' 504B9' 73' 0=4A6' .2050' <86' 790' .245D' :05679' 73' .20' C8"0' 60I' D46G .49BA4620D' <4.2' .20' .4."0' 73' 60685' <0' 28?0' D508D@' 6009' 357C' =7496' 73' 0=4A6' 496=54;0D' ' &&# 5' ' H ' 9' <24=2' 49' 8DD4.479' .7' .20' 208D6' 73' 0=4A6

=7496' .20' D7B' 46' 5850"@' 6009' 86' 246' =7C:89479# 8A689486' 27<0?05' 83345C6' 8' 34BA50' 73' .28.' 894C8" .7' 28?0' ;009' :"8=0D' 8.' .20' 300.' 73' .20' ="0";58.0D'6.8.A0' 73' *3346=44"8:4A6'8.' :4D8A5A6*1' 20' 508679' 86' 0I:"8490D' ;@' .20' 68C0' <54.05' <86' .28.' 28?49B' 6779' 83.05' 246' ;45.2' ;009' "03.' 0I:760D' 20' <86' 6A=F"0D' ;@' 8' B78.' 89D' BA85D0D' ;@' 8' D7B# T' 8906' 8D"44;0;89.A5' 0 A6' M 46=AE' "44:44N' .0C:"7' SA7D' 46' A;054;A6' =8946' 64.' 9A.54E' ;A6*U 1 T' 890' 8D' :0D06' M64CA"8=54' =A"8:44N' D0=AC;=A.0*U' M 8A689# 44# ,N*

20' 8:.08589=0' 73' .20'.500' 54649B' 49' .20' 340"D' 73' .20' 50?0560' 46' 6A::760D' .7' ;085' 5030509=0' .7' 897.205' 6A:056.4.47A6' ;0"403' 73' .20' 89=409.6' 50G 6:0=.49B' "6=9"8:4A6'.28.' .20' B7D' 73' C0D4=490' .77F' 97' 68.4638=.479' 49' .20' <75624:' 73' 246' ?7.8G 5406' A9"066' :84D' .7' 24C' 49' 246' 7<9' B57?0# 9' .246':749.' 8A689486' M44# N 68@6 1 T' 460A"8:44 "A=AC' 045=ACSA8SA0' C79.06' 49049B99.' 49.58' 0A A6' 8C;4.AC' C754 SA09SA8C' 8A.' 986=4' 50"4E B47' 06.*U

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' 8' 8.49' ?7<0"' <24=2' 4=057' "1 ' 444*N' =8""6' ' 7C0.4C06' 4.' 46' C8D0' 8' =7967989.' 04.205' 64C:"0' 86' 49' 1 '! #! * ' C~' 75' D7A;"0' 86' 49' 4?6' ' ' =# 20' 89=409.6' 67C0G .4C06'=289B0D'4.'49.7'?' 89D' <57.0' 6 '375' + ' 73' <24=2'.2050' 850' 97.'79"@' 0I8C:"06' 3457C' "49@' 4?@' 89D' 4=057' ;A.' .20' :57736' 8::085'8"67' 79'=7496#! #86=20*

,'46' .20'=A6.7C85@' C85F' 73' .20' ' 00' .20' <75D' M:# HN*

246' "0..05' ;@' 4.60"3' 64B94340 6 - ' 79 KA"4A6' 75' KA97*

246' 8.49' "0..05' 605?0D' 86' 8' 9AC058" 64B2 49' .20' :57DA=.6' 73' .20' #7C89' C49.# 2A6' ,* # 9 4"*' =# 86' C8@';0"009' <4.249' 8' "8A50" =57<9' 79' ;5866' 73' ABA6.A6' =76# 9 # C *' 4444*' 796A"# 375' .20' 60=79D' .245D' 37A5.2' .4C0 1' ' ,' ' 9 4"*' 456.' 60=79D' .245D' 37A5.2' 0B479# ' ' . ' 49' ?4 ' ' 9 4"' ' /

K ' .20' 38;"0D' 7336:549B' 73' 70"A6' 89D' 0=8.0' 75' 73' :7""7' 89D' 50968' 504B90D' 68@6 597;4A6' " ' 4 ' 4444# :*' C*' aN' 49' 085"@' .4C06' 7?05' .8"@' 89D' <86' .20' 37A9D05' 73' .20' .7<9' K894=9"AC' .20';786.0D'38.205' 73' 79.A6* ^ 75' 8' "0859OD' D46605.8.479' 79' .20' C@.2' 73' K89A6' 600' ' 1 8 ' 3 0 ' :85' # 2# 0975C89.' :# Q* #0:50609.8.4796' 73' K8996' 7==A5' 86' <0"" 79' .20' 085"@' #7C89' 5' M60D' :# H' 0.' 60S*N' 86' 79' .2760' 73' CA=2'"8.05'D8.0' C85F0D' ;@' .20' 98C06' 73' 38C4"406' .7' <24=2' 850' .7' ;0' 8DD0D' .20' 37""7<G 49B' 6:0=4C09' <24=2' 375C6' .20' 7;?0560' .@:0' 73' 8' D09854A6' 73' .20' A548' B096' D06=54;0D' 49' :# ,*

K * A

"" .2060' =7496' :50609.' 8' D7A;"0' 208D' <24=2' :57=A50D' 375' K89A6' 8C79B' .20' 89=409.6' .20' 8:G :0""8.479' 73' * $ ' 7.2' 38=06' 0I24;4.' 8' "79B' ;085D' <24"0' .20' 208D' 4.60"3' 46' ?854796"@' 7598G C09.0D# &09058""@' 4.' 46' <58.0' <4.2' 8' =57<9' 73' "8A50"# 7C0.4C06' 20' 286' 8' 28"3' C779' 9AE' ,8CN' 49.05=0:.0D';@';7.2' 208D6# 9' 7.205' 86606' 86' 49' .20' r648' B096' .20' D7A;"0' 208D' 46' =7?050D' <4.2' 8' 675.' 73' =8:# 20' 68C0' 50:50609.8.479' 73' K89A6' A6.' D06=54;0D' 357C' #7C89' =7496' A9G D7A;.0D"@' 37A9D' 4.6' <8@' 49.7' 60?058" =7496' 73' 37504B9' D40' 86' 79' =7496' 6.5A=F' 8.' 8975CA6' M 8"05C7N# 20' 68C0' D7A;"0' 208D' 8"67' 8::0856' 79' =7496' 73' C:24:7"46' 89D' 20668"794=8' 49' 8=0D7948# (0' 28?0' 97.' 68@6' =F20" 49' D0G 6=54;49B' .20C' M?7"# 4# :# >H N' .7' :5797A9=0' .20C':75.584.6' 73'K8996# 7' D7A;.' .20' D434k509.' :07:"06' 73' &500=0' 73.09' 28D' =7C0' A9D05' #7C89' D7C49479' ;@' 50:50609.49B' 79' .2045' =7496' .20' 34BA50' 73' K8996' <27' 357C' .20' ?05@' 49389=@' 73' #7C0' <86' <75624::0D' 8C79B' 205' :549=4:8" D4?494.406' .06.4340D' .28.' .20@' :84D' .7' .20' #7C89' B7D6' .20' 68C0' 8D758.479' <24=2' 49' :54?8.0' .20@' D4D' .7' .2045' 7<9' 96.' 86' 60?058" 7.205' &500F' =4.406' 0I24;4.0D' 79' .2045' =7496' KA:4.05' 8:4.7E' "4996# 00' ?# >,' *

57C' .20' 8;7?0' 0I8C:"06' 89D' 7.2056' .28.' C4B2.' 20' 8DDA=0D' 4.' 46' 620<9' .28.' .20' K8996' 73' .20' #7C896' 49?8548;"@' 8::0850D' <4.2' 8' ;085D# 75' 850' C79AC09.6' 73' 8' "8.05' 8BD' 8.' ?8549=0' <4.2' .246' 5A"0# 75' 20' 8::0856';085D0D' 79' ;5866' =7496' 73' 8D5489' 9.7949A6' 4A6' 7CC7DA6' 89D' 05.498I*

20' A.275' 73' . ' .209' 8""AD06' .7' 7:4G 794796' 09.05.8490D' ;@' 7.205' C09' 73' B508.' "0859G 49B' <27' 28?0' :5797A9=0D' =05.849') ' 208D6' 7490D' 49' .20' 68C0' C89905' .7' ;0' .2760' 73' K89A6' 89D' =79306606' .28.';03750' 20' 28D' 6A3G 34=409."@'=7964D050D' .20' 6A;0=.' 246' 7<9' 7:49479' <86' .20' 68C0# M 00' 246' 7;6057?8.4796' 4# a N* 1' T' 90' 508679' 375' .2045' 6A::764.479' M68@6' 20N' 46' .20' 5060C;"89=0' 73' .20' C7D0' 73' 74949B' .20' 208D6';049B' 6A=2' 86' K89A6' 0I24;4.6# A.' 4.' 46' 37A9D'.28.'.246' C7D0' <86' 49' ?7BA0' <4.2' 37504B9' 98.4796' <27' =05.849"@' 0C:"7@0D' 4.' <4.2' 97' 50G 30509=0' <28.0?05' 04.205' .7' .20' 50"4B479' 75' =A6G .7C6' 73' .20' #7C896# 57C' 6A=2' 0?4D09=0' 4.' 46' ="085"@' 620<9' .28.' .246' A998.A58" D0?4=0' <86' 49' A6D' ;7.2' 8C79B' .20' &500F6' .20' .5A54896' 89D' .20' #7C896*U 1 86649B' 7?05' .20' =79 0=.A506' 73' .2760' <27' 28?0' 8..0C:.0D' .7' 86=05.849' .7' <24=2' :07:"0L6'4C8B498.479' .20' 49?09.479' 73' 6A=2' 8' C796.05' 46' .7' ;0' 8..54;A.0D' =F20" :503056' 58.205' .7' =7964D05' .20' SA06.479' <28.' .20' 89G =409.6' A9D056.77D' ;@' .2760' .<7E208D0D' 34BA506' Z 28.'67C0' 8""0B75@"8@' ;0908.2' .20C' 46' 0?4D09.' 0?09' 357C' .20' 8==7A9.6' <24=2' #7C89' <54.056' 28?0' B4?09' 73' .2045' K8976# 7C0' 28?0' 684D' .28.' 20' <86' 50:50609.0D' <4.2'.<7' 38=06' ;0=8A60' 20' 28D' ;009' 09D7<0D' ;@' 8.A59' <4.2' .20' F97<G "0DB0' 73' :86.' 89D' 3A.A50' 0?09.6' M 0D509A6' 0I' 4790N# .2056' 49' 75D05' .28.' ;@';049B' :"8=0D' ;0.<009' .20C' 20' C4B2.' 600C' .7' ;0' "77F49B' A:G 79' .20' =7CC09=49B' 89D' .20' 50.4549B' @085*1' 05?4A6' 68@6' 49' 790' :"8=0' " ' H ' R % ' ?# >a,N1T' .' 46' 6.8.0D' ;@' 67C0' .28.' 8.4A6' 89D' #7CA"A6' ;A4".' 8' .0C:"0' 83.05' 09.0549B' 49.7' 8

E 6

"79B6' .7' . ; 0' 60=79D' ; 5866' 73' 8D5489*
A' 1 + $ ' I ' !)' s '
' ' !
*' ' - 9' ' 8
' ' P8$ ' .20' .0C : "0' 73' K8998' ="760D*
' - ' .2k' 38 ; "0D' 679' 73' 58996' 46' ; 0"40?0D' .7' 28?0' ; 009' .20' C76.' 89=409.' ' 49B' 73' .8" @' <27' 276 : 4.8 ; "@' 50=04?0D' 8.9C ' <209' 86' 8' 344B4.4?0' 357C' 50.0' .20' 38.205' 73' K9 : 4.05' ; 894620D' ; @' 246' 679 ?8554?0D' 49' 8' 624 :' 79' .20' 627506' 73'*+834<C* 1 ==75D49B' .7' .20' 8==799.' 7 3' 950"4A6' 4=.75' K8996' <86' .20' C86.05ECD49D' .20' 8B :' 49' <24=2' 20' "4?0D' ' 20' <86' .20' 3799D05' 73' 8' =4.@' =8""0D' - ' .8AB2.' 246' : 07 : "0' .20' D4?464796' 73' .20' @085' . 20*A60' 73' 624 : : 49B' 89D' 73' C7D0' 73' "4?49B' 28 : : 4"@' A9D05' .20' 8A.2754.@' 73' .20' "8<6' ' ; 0' 8"67' 496.5A=.0D' .20C' 27 (' .7' ; 9 D .0C : "06' 89D' .7' 2797A5' .20' &7D6' O4.2' 68=54"4=4D" <7562 4 : ' ' .7' 6A557A9D' .20"=4.406' <4.2' <8""6' .7' B57 ' =7C' 89D' .7' : "89.' .20' ?4905' .' <86' 7A.' 73' B58.4.AD0' 375' .2060' 8""0B0D' ; 09034.6' .28.' K89A6' <86' : "8=0D' ; @' .20' 7C896' 4D' .20' 589F' 73' .20' &7D6' 89D' 50B85D0D' 86' : 5064D49B' 7?05' .508.406" 9' .20' *3456.' 3 K89A85@' 75' 49' .20' =8"09D6' 73' .28.' C79.2' .20@' =0"0 ; 58.0D' .20' K89A8"48" .' .28.' 306.4?8" *.20@' 734050D' .7' K89A6' 8' C4I.A50' 73' 3""7A5' 89D' 68".' <4.2' 49=0960' 89D' <4.2' ?5490" 20' .0C : "0' 73' K89A6' <B6' 684D' .7" 28?0' ; 009' ; A4".' ; @' ' 7C4D96' 83.03' 20' 28D' C8D0' : 08=0' <4.2' .20' 8 ; 4906' 89D' 49' .246' .0C : "0' <86' 8' 6.8.A0' ?4.2' .<7' 38=06" ' 49B' AC8' *75D8490D' .28.' 4.' 627A"D' ; 0' 7 : 090D' DA549B' <85' 89D' 62A.' DA549B' : 08=0" 9' .20' 60?09.2' ; 77F' 73' .20') 904D' 45B4" 286' D06=54 ; 0D' 49' 67C0' 3490' ?05606' .246' 4C : 7649B' =050C79@" 20?34BA50' 7" .246' .0C : "0' 46' : 50605?0D' 79' C = 8*' .' <86' 62A.' 79"@' *.<4=0' 357C' .20' 37A9D8.479' 73' ' 79C' .7' 320' @085' >[' ' 98C0"@' 954D05' .20E504B9' 73' AC8' @085' H ' 89D' 83.05' .20' 60=79D' 4494=' <85' 49' [, a ' *A9D05' .20' =796A"8.0' 73' 4.A6' 89"4A6" .' 62A.' .2500' .4C06' A9D05" ABA6.A6' 3456.' 49' >[' 83.05' .20' =.480' <85 ' 89D' 6A ; 60SA09."@' 49' >a' 89D' [>" 20503750' 4.' ; 0=8C0' 89' 4C : 75.89.' 0?09.' .7' ' - ' 89' 8""0B754=8" 0I : 5066479' 64B943@49BE' .20" 506.758.479' 73' : 08=0' .7' .20' 0C : 450" 20' : 70.6' =0"0 ; 4@4.0D' .206k' C0C758 ; "0' *1' ! 7C' .20' 3456.' ; 77F' 73' ?4DL6' 546.48' 4.' 8 : : 0856' .28.' .20' *.0C : "0' 73' K89A6' <86' 62A.' A9D05E.20' 504B9' 73' 4 ; 054A6" 9' 8' ; 5866' =749' 73' 057' <0' 508D' # " ' # ' ' *!=' # * ' ! ' 64 " M83.05' 28?49B' : 57=A50D' : 08=0' 375' .20' ."SC89' : 0 ; : "0' 79' "89D' 89D' 79' .20' 608' 20' .20' C : 0575' 286' 62A.' .20' K89A6E N ' ; 0=8A60' .246' .0C : "0' <86' =8""0D' ' - 1 K A=89' C8F06* C09.479' 73' .20' ="7649B' *73' .246' .0C : "0' A9D05' 057' Y.7' <24=2' .20' =749' 5030550D' .7' 8 ; 7?0' 503056" .205' : 549=06' 83.05<85D6' : 05375C0D' .20' 68C0' =050C79@' 79' 8' 64C4"85' =.C6ACC8.479' 73' ' 9058" : 08=0" 58 89' 97.' 79"@' 62A.' .20' K89A6' ; A.' 0C ; 0""4620D' 4.6' 64.0' <4.2' 89' 09"85B0D' 8508" 20' "86.' 0 : 7=26' <209' .20' 3890' 73' M246' D04.@' <86' ="760D' <86' A9D05' .20' C : 0575' 796.89.496' M&8""A6N ' 8 ; 7A.' H[H' 75' * ! - ' * $ *1 K246' (86' 89' 8 : : 0""8.479' 8664B90D' .7' K89A6' ; 0=8A60' 20' <86' 50 : 50609.0D' <4.2' .<7' 38=06' 49' =7964D058.479' 86' F ' H ' E' ' P

| b * H

6.8.06' 73' .20' 8""489=0' C8D0' ; 0.<009' .20' #7C896' 89D' .20' 8 ; 4906" * "67' : 0528 : 6' 8==75D49B' .7' 7.205' <54.056' .7' 64B943@' .28.' .0' F90<' ; 7.2' .20' : 86.' 89D' .20' 3A.A50* 1 20 86 E.20' C76.' 89=409.' =749' 73' .20' #7C896' ' ; 0856' 79' 790' 64D0' .20' 208D' 73' - ' <4.2' .<7' 38=06' ; 085D0D' 89D' 8 ; 7?0' 4.' 8' =506=09.' 6@C ; 7"E73' 0.0594.@' ' 79' .20' 50?0560' <0' 600' .20' & $$' ' +' <="D=2' 4579B2.' 8.A59' .7' .8"@ / 8' .@ : 0' <24=2' 286' =8A60D' .246' =7498B0' 73' ; 5866' C790@' .7' ; 0' =8""0D' ' 357C' .20' 8.49' ' 8' 624 :' 75' B8""0@**" * 2060' : 40=06' 850' =7CC79' C' 9AC46C8.4=' =8 ; 490.6* 1 20' 28"3' 98F0D' 34BA50' 73' .<7E208D0D' K89A6' 6.89D49B' <4.2' 8' 6 : 085' 49' 246' 54B2.' 289D' E79'*8' 3456.' ; 5866' C0D8" 73' 9.7949A6* 4A6' 49D4=8.06' =4.205' 67C0' 68=50D' 2797A56' : 84D' .7' K89A6' ; @' .28.' C : 0575' 75' .28.' .20' 60=A54.?' 73' .20' 8B0' <86' 06.8 ; "4620D' ; @' .20' : 57?4D09.48" =850' 73' 9.7949A6' 86' 375C05"@' A9D05' .20' 504B9' 73' K89A6*" 20' "0B09D' 73' ."A8' =749' 46' #" " =76" ' <24=2' =F20" B4?06' .7' " =" aH* 1 2050' 46' 8' ; 5866' C0D8""479' 73' 7CC7D96' <24=2' 8' : 50609.' 20" 34BA50' 73' .20' D7A ; "0' K89A6' 89D' 850' 50C85F8 ; "0' 375' .2045' 0"0B89=0' 89D' 5854.@' .27AB2' .20' 508679' 375' .20' 60"0=.479' 73' 6A=2' 2' .@ : 0' 50C8496' A9F97<9* 1 246' 8D758.479' 73' K8996' 79' .20' : 85.' 73' 7CC7D96' 8 : : 0856' .7' 28?0' ; 009' 89' 0I0C : "434=8.479' 73' .28.' * ' ' <24=2' <0' 600' 24C' 6.@"0D' .20" 380375" 20' 0I=066' 73' 246' : 50D4"0=.479' 375' K89A6' 46' C894306.0D' ; @' 8' =749' 73' .20' ' =7 0=.479' S9' .20' 7 ; ?0560' 73' <24=2' .20' 208D' 73' 7CC7D96' *46' ?50 : 50609.0D' ?54.2' D7A ; "0' 38=0' "4F0' .28.' 73' .20' B7D* 1 * ' ' ' ?44*' , , a*E * P ! 20' 208D'*73' - ' <4.2' 4.6' ; 085D"066' 38=06' 83.05' 320' "4F09066' 73' 9604A6' SC : 04A6' M 7C : 0@' .20' &508.N 8 : : 0856' 79' .20' 7 ; ?0560' 73' 7C : 0@L6' 3456.' ; 5866' 89D' .20' : 57<' 73' 2' 624 :' 79' .20' 50?0560" * P P 9- ' 46' 684D' .7' 28?0' *28D' 8' ; 9' 98C0D' 79.A6' 357C' <27C' .20' ! ' 866AC0D' .7' D054?0' .2045' 754B49' 89D' .2045' ?54B2.' .7' : "8=S' .20' 208D' 73' K89A6' 79' .2045?=7496* 1 0D' 79.048*O - ' / $ 1 K89A6' (4.2' $ ' 30=06' M.2500' 73' <24=2' 79"@' 850' 6009N ' 46' 37A9D' 79' 2' 60=79D' ; 5866' =749' 73' 8D5489* " * 1 9' 8' 64"?05' =749' 73' ABA6.A6' 89D' 04.205' 50"8.06' .7' .20' 60=79D' .4C0' 73'*.28.' C : 0575L6' ="7649B' .20' .0C : "0' 73'*K89A6' ?4*' 49' .20' @085' 73' #7C0' >a' ' >[N' 83.05' .20' =79SA06.' 73' .20' ' M73' 975.2059' : 849N' 95' 4.' <86' 6.5A=F' .7' 5090<' .20' C0C75@' 73' .20' @085' >[EE<209' .20' .0C : "0' <86' ="760D' 79' .20' 7==86479' 73' .05C498.49B' .20' * ' ' 75' .20' <85' 09D49B' <4.2' .20' ; 8.."0' 73' =.4AC' <24=2' 5A490D' 85=' 9.79@' 89D' C8D0' ABA6.A6' C86.05' 73' .20' #7C89' <75"D* 75' .20' C76.' D0.84"0D'85=24.0=.A58"50 : 50609.8G .479' 73' .20' .0C : "0' 73' K8CA6' ="760D' .7' ; 0' 374CD' 79' .20' 4C : 0548" C49.8B06' 46' .20' 3456.E ; 5866' 73' ' 49' <24=2' .246' =0"0 ; 58.0XX' 3890' 46' .@ : 4340D

6SA850 ' 89D' 4.6' < ; 6' 850' 7598C09.0D' <4.2' "8A50"# B85"89D6 ' <24=2' .20' #7C896' :"8=0D' 7#9' 4.' 83.05' 2' ?4=.75@'# 20' D7756' 850' 62A.* 1 00' .20' "0B09D' # " ' # n ' $ ' 4S'# ' ` ' *

" ' # ' K89A6' <4.2' .<7' 38=06 ' 6.89D49B' <4.2' 8' 6 : 085' 49' .20' 54B2.' 289D* 1 f ?05' 73' 05.498I'# O

Pe 05.498I ' 2050' 6.@"06' K89A6' 246' :50605?05 ' 89D' <4.2' 67C0' 508679' ' 375' 8.' .20' ?05@' .4C0' .28.' K89A6' ; 0B496' .20' 90<' @085 ' 20' =7CC 9=0D' 246' 504B9' ' 89D' .246' 8 : :0856' ; 0@79D' SA06.479' .7' ; 0 # .20*C7.4?0' 375' .20' 8D7 : .479' 73' .20' .@ : 0*U 1 ' =F20"# ?44* ' , ,*

! * ' # * 1 <7 208D' K89A6 ' <4.2' 790' 38=0' ; 085D0D ' .20' 7.205' <4.27A.' 8' ; 085D' ' .20' <27"0' 34BA50' 6.89D6 ="7.20D' 49' .20' .7B8 ' 27"D49B' 8' : 8.058' 49' .20' 54B2.' 89D' 8' 6=0 : .50' 49' 246' "03.' 289D* 1 00' B7"D' C49.8B06' 73' &8""409A6' :'# *

! : 0549 ' 49' 246' 0"89B0' 4'# :'# , ' B4?06' 89' 09B58?49B' 73' .20' 8 ; 7?0 ' 89D' C050"@' 68@6' T'.20' "0B09D' ! ' # 3 !' <24=2' 790' 6006' 79' .246' 64"?05' :4==0' 73' &8""409A6 ' 46' 649BA"85'# .'46' 37A9D' 79' 97' 7.205' F97<9'=749*U 1 A.' =F20"' 894C8D?05.49B' 79' .20' 6. "' C750' 649BA"85' =45=AC6.89=0' 73' 4.6' 0I24 ; 4.49B' 8' ; 085D0 208D' 7490D' .7' 8' 208D' <4.2G 7A.' 8' ; 085D ' 09.056' 8.' 6sC0"09B.2' 49.7' 8'506085=2' 49.7' 8 ' :50?47A6' 9AC46C8.4=' 0I8C : "06' <24=2 Y627<' .28.' .20' .<7' 38=06' CA6.' ; 0') K 49' 75D05'.7' ; 0' =2858=.0546.4=' 73' K89A6' 89D' =79="AD06' <4.2' 68@49B' T ' .249F ' .20503750 ' 43' C8@' ; 0' 8""7<0D' 790' 37' 6A : : 760' 04.205'.28.' .20' : 75.584.A5t' 73' 0""0549' 46' 38""8=47A6 ' <24=2' D0 : 4=.A506' K89A6' <4.2' 790' 208D' 79"@' ; 085D0D ' .20' 7.205' <4.27A.' ; 085D ' 75' .28.' 49' .20' 8B0?M73' &8""409A6 1 ' >[H' .7' > N ' .2050' <86' 67C0.249B' 49' .2k' C7D0' 73' 50 : 50609.49B' .246' D04.@' <24=2' D0?48.0D' 34?7C' .20' 7"D' 4CC9.4 ; "0' 4C8B05@*U 1 74'# ?44 ' :'# a *) 1 ' 34 : :450 73' .246' 894C8"' ' <8"F49B' .7<85D6' .20' 54B2. ' <4.2' .20' 0 : 4B58 : 2' " o * ' & ' 89D' .20' 97.0' ?4'# M : 0528 : 6' ; 0=8A60' 79' .20' 64I.2' D8@' 73' .20' B8C06' .246' 8" : 490' 894C8'# <86' 0I24 ; 4.0DM' 8 : : 0856' 79'# 8' 64"?05' =749' 73' 24"4 : ' 609475* 1 ' =8""6' 4.' .20' 4 M) 5 ' 8' (5D' 20"D' 68=50D' ; @' .20' B@ : .4896 ' 64C4"85' .7' 8' 6.75F ' 0I=0 : .' .28.' 4.6' ; 08F' 46' 67C0G <28.' .24=F05' 89D' C750' =577F0D* 1 20' ; 46' 46' .20' : 0=A"485' 6@C ; 7'# 73' B L : . ' 79' 8==7A9.' 73' .20' ; 09034.' <24=2' 4.*509D89D' .7' .28.' =7A9.5@' 49' =796.89."@' <8B49B'8' D06.5A=.4?0' <85' <4.2' 605 : 09.6

4=7 K *

89D' 4960=.6 ' 49' <24=2' B@ : .' 8 ; 7A9D6 ' 89D' < 44=2' 4.' : A56A06' 89D' F4""6*

20') ' 46' 6009' 8.' .20' 300.' 73' 8' 30C8"0' 34BA50 ' "@49B' 79' .20' B57A9D ' <4.2' .20' 0 : 4B58 : 2' ' 79' B7"D ' 64"?05 ' 89D' ; 5866' 73' 8D5489* 1 00' : '# , H*

" ' M97<' E ' 75' ' ' .20' 89=409.' =8 : 4.8'# 73* @=87948 ' M97<' E ' 648.4=' A5F0@N'# 246' =4.@' 46' C09.4790D' 49' .20' =.6' 73' .20' : 76."06' ='# +44*' ?'# [, 1 ' #7C89' ' 4.6' =7496' M ; 064D06' 8A.797C06' 49' 6C'# ; 5866' 89D' 4C : 0548'# 4 ?' 49' ; 5866N' =79646.' 73' ; 5866' 73' .20' .2500' C7DA"06 ' <4.2' ' "0B09D6'# 20' : 40=06' <4.2' 4 ?' 496=54 : .4796' 850' 506 : 0=.4?0"@' 73' 057 ' 8D5489 ' W9D' 8A6.498 # 99'# 20' 37 7<4.4B' 850' 4.6' ' ; 5866/ 1

4 K5' # 1 # ' ' # '# # 1 ' _?04"0D' : 5406.' .58=49B' .20' "4C4.6' 73' 8' =7"79@' <4.2' : "7AB2' 89D' .<7' 7109'# 9' .20' 340"D' .<7' C4"4.85@' 0964B96* 1 # ' ! " ! ! ' " o ' 6* ' '# 75.A90' 608.0D*

' 1 8C0' "0B09D'# 75.A90' 608.0D ' 8' <200"# A9D05' 205' =2845*

4 1 6 ' 4=7 4 65?K ' =7'# 6* * 1 ' 20' .<496' 89D' .20' <7"3 (' ? ' 05=A"06' 6.89D49B (' ' 4905@8' 608.0D*

' M357C' 4=79N' 8' 6C8#' 4C8B0' 73' 3.7E' S909.' 7==A5509=0' 79' #7C89' =7496 ' 67C0.4C06' 46' .20' 54B2. ' 67C0.4C06' 49' .20' "03.E289D' 73' .20' : 549=4 : 8'# 34BA50*

' .20' D06 ' 357C' ' 89' .5A6=89' ?05 ; ' ! ' .7' D4?4D0 ' ; 0=8A60' .20' D06' D4?4D0' .20' C79.2' 49.7' .<7' 8"C76.' OSA8'# : 85.6* 1 ' 20@' <050' M68@6' 84""89.NE68=50D' .7' K9 : 4.D5* 1 ' 20' D06' 73' 85=2' 850' C85F0D' 79' 8' D09854A6' 73' KA94A6' 5A.A6 1 $! ' * 1 00' 85=A6' 5A.A6 ' : '# , [' 73' .246' 4=.47985@*

' .20' 'C76.' 4 A6.547A6' 89D' C76.' =0"0 ; 58.0D' =4.@' 73' 8"06.490 ' ; 0640B0D' 89D' D0G 6.57@0D' ; @' 4.A6 ' 506.750D' ; @' 8D5489' 8.' 240' 7<9' 0I : 0960'# 75' 3A5.205 ' 8""A64796' .7' .246' : "8=0 ' 49' 4.6' 6.8.0' 73' 6A ; 0=.479' .7' .20' #7C896 ' 600' ' : '# , [' # * F ('44'# ' 'F ' 796A"' 375' .20' 60=79D' .4C0' * 1 ! #' ! ! ' + ' F 1 # # 'F ' =* '# 75' '# F * 1 00' .20' <75D* '# - ' ' ') '# ' '

#'# ? 1 ' D4B94.@' 49' : "8=0' 73' 796A" ' 49' .20' #7C89' ='7"79406* #'# % %'# ' / 0 (20' D4B94.@' 73' .20' %949SA09940"# A942?45' 49' .20' 7"79406' 54?8""0D' .28.' 73' .20' 09675624 : ' 8.' #7C0* '# '# ?&a' ' ! " * ! ' =&' 9'# & # * 1 <7' &05C894=' 4=.7540'6 73' .20' C : 05756 1 79' 8' 0749' 73' &8 409A6* '# #'# * * * * '# ' ' ' MC790.8"06N' ' ' ' ! ! (1 ' $' 75' 8""" ' .20' .2500' #7C89' 8B46.58.06' 8 : : 749.0D' .7' 6A : 0549.09D' .20' =749G 8B0' 73' C790@* 1 00' : '#, * 1 "67 6 ' 89D' F '# #'# #* * '# 54AC?45' #=4 : A;"4=60' 796.4.SB9D86 ('$ ' ') ' $' ' 6 +) 9 4"*' #'# 5" ' ' ' 00' : '# >*

@""8' 46' 9C946C8.4=8."@' =8""0D' ! # * ' ! $* ' [<24"6.' 9# 7C : =@ * ' 83.05' 28?42B' B8490D' .20' B508.06.' ?4=.75406' 89D' .2760' 73' .20' C76.' ?8540D' D06=54: .4789' 48'6.@"0D' 79' 246' =7496' 79"@' ! # / ' .0685' .20' 4=.8.75 ' 79"@ ! # ' ! * 1 74' 46' 0I.A6' 7C : '679' 73' 7C : 0@' .20' &508.' C09.4790D' 86' 28?49B ' 74.0905'09 7@0D' .20' .4."0# A.' 9.79@' .20' ! ! ! ! * ' 46' 50=75D0D' 86' ! # ' 4444*# 1 9D' 4.' 46' =05.849' .28.' 83.05' "v6A6 ' <27' <86' .20' "86.' : 54?8.0' 49D4?4DA8"# M, ' 4 ; 054A6L6' : 05G C466479N' .7' ;0' =8""0D' + ' . ;' 4C : 75.89.' 2797A5 ' 8".27ABZ' W ; .8498D' ;@' .20' +4409.0989.6 73' .20' ABA6.4 ' ;0"89B0D' .7' .20' 549=0' 8"790 ' ; 0=8A60' <856' <050' =8554OD' 79' 4CD05' 246' 67"0' 8A6 : 4=06' . 2A6' 8' : 580.75' 73' 375C05' .4C06' D054?0D' .20' .4."0' 73' + ' 357C' 8' ?4=.75@' 8=240?0D' *; @' 246' SA806.75 ' 73' <24=2' 855s' 50=75D6' 790' 0I8C : "0# K3' 47' 46' .7 ' ; 0' 50"40D' 79 ' 4.' <86' .20' #7C89' =A6.7C' .7' 866ACO' .20' 98C0' 73' 7 ' 97.' 73.0905' .289' 79=0 ' 375' 790' < 85 ' 89D' .246' Y.58=.4=0' <86' \8 ; A60D' ; @' "8AD4A6' AB*' <27' 8""7<0D' 24C60"3' .7' ; 0' =8""0D' ; @' .28.' .4."0' 60?058"# .4C06' 79' 8==7A9.' 73' ?4=.75406' 7?05' .20' 54.796# 1 .' 46' ?05@' SA06.4798 ; "0 ' 27<0?05 ' <20.205' .246' A68BO' <86 ' 0?09' 49' .2 t ' 085"405' 8B0 ' 50"4B47A6"@' 7 ; 605?0D ' 375' 357C' .20' =7496' *73' @""8' 4.' 46' :57 ; 8 ; "0' .28.' 20' <86' =8""0D'? C : 058.75' 375' .20# 60=79D' .4C0 ' DA549B' .20' 68C0' <85* .' 46' 8 ; A9D89."@' ="085'8R9 496 : 0=.479' .28.' .20' B508.05' : 85.' 73' .20' C : 0548"# =7496' 0I24 ; 4.' 8' 99C058 8DD4.479' .7' .246' 496=54 : .479' 73` # 3 ' 79' 8==7A9.' 73' 35062' ?4=.75406' B8490D# ' A.' 4.' 46' 7 ; 605?8 ; "0' .28.' 858=8 8' <86' .20' "86.' <27' 6.8C : 0D' 34"48' 4""A6.547A6' .4."0' 79' 246' =7498B0' 8c' 97<' ;@' D0B5006' .20' 89=409.' 496.4.A.4744 6' 73' .20' #7C89' 0C : 450' 28D' ; 0BA9' .7' ; 0' S0B"0=.0D' 75' =755A : .0D# 0?05.20"066 49' .20' C49.'73' 76.AC96' 649BA"85' .7' 68@' .2050' 7==A5' ! # ' ' 89D' ! # ' 6 ' * 1 A.' A=89B0E' 8DDA=06' 357C' C85 ; "06' 67C0' 0I8C0D06' 73' ' 9AC ; 056' .7' .20' .4."0' =79G .49A0D' .7' 8' "8.05' : 0547D ' 8".27AB2' 73' 58505' 7==A5509=0*E5 1 20' B7"D' ' 73' 207D764A6' | *** 850' =7CC79 ' !# ; 08549B' !8C79B6.' 246' .4."06' Y 0?09' ! # ' 6666!! ' <24=2' A=89B0' =7964D056' .7' 4C : 75.' .20' 7"D' 8==" 84 : 8.479' 73' .20' 67"D4056# A.' =F20'# 46' 73' 7 : 49479' .28.' 79=#.20' =7496' 73' .246' 0C : 0575' .20' @04A6' 73' 246' 504B9' 850' 49D4=8.0D' ; @' .28.' 9AC ; 05* 1 &8 409A6# 375' .20' 504.058.0D' .4."0' 73' + ' *=8""0D' Y24C60"3' &05C894=A6' 814CA6' 4""*# 75' ?* ' 75' 496=54 ; 0D' 79' 246' =7496' 1!" *! ' ' !' ?4"4* ' 89D' 64C4"85' C C : "06' 7==A5' 79' .20' C0D8"6' 73' 76.9CA6 ' 86' ; 03750' 7 ; 605?0D ' 06 : 0=48""@' : 9' 790' ; 08549B' .20' "0B09D' 5 + : ' + DC* 1 .205' 0?4D09=06' <24=2' ?0543@' .20' D054?8.479' 73' .20' .4."0' 73' 357C' 4=.75406' 850' .7' ; 0' 37A9D' 49# .20' . ' ' 73' =F20"# . ' ' + ' ??"# ?444' :# * z* 1 C : 058.75# 8664A6' .20' 86686649' 73' m685' 46' 67"=8""0D' =# " ! ' ! # ' ' ' ' C : 058.754* 1 9' "4F0' C89905' * ' $ * ' 7.205<460' S# " o ' $ * N ! # [/ 600' .20' K_WW' 38C4"@* 1 # o #! ' 7 ; .8490D' .20' .4."0' 73' 49' : 849' 89D' 50=04?0D' .54C9 : 28# 2797A56' 375' 246' ?4=.75406' .2050* 1 9' 4C4.8.479' 8"67' 73' # 9.79496 ! # ' .20' .4."0' 73' C : 058.75' 46' B4?09' 79' =7496' .7' 84A6' 80685* 1 7507?05' 7C : 0@' 46' 6.@"0D' & ' 75' & ' # ! ' ! # 1 00' .20' 7C : 048' 38C4"@* # # | * 1 00' $ * ' ! # ' # 75' #* 1 + ' 46' 350SA09."@' 508D' 79' =7496' 73' KA"4A6' m685' M20 ; 049B' 8"508D@' D08DN' 79' <24=2' .246' 649B"0' .4."0' 73' 2797A5' 48' 8664B90D' .7' 24C E49' : "8=0' 73' ' + ' 97.' 375' 89@' ?4=.75@' 7 ; .8490D ' ; A.' ; @' .28.' 64B94G 34=8.479' <24=2' 5t3058' .7' .20' 204B2.2' 73' V : 7<05' =7930550D' A : 79' 24C ' 20' 46' =8""0D' " a * ' ! # ' 75' 94: # 89D' 83.05<85D6' <4.2' .20' KA"489' 6.85* 1 ' 75' 86' 49' 7.2056' 6.5A=F' ; 03750' 246' D08.2 ' 20' 46' 83.05' .20' 89=409.' C89905' 73' .20' 50 : A ; "4=' =8""0D' # % #* ' 72' 7.2D.6' # +# 89D' ; 064D06' # % # * ' 75' # .. ' ' .246' 790' .4."0' # 79' 79"@' .<7' =7496' 89D' 8' 30<' 6.5A=F' 83.05' 246' D08.2 ' =89' 285D"@' ; 0' A9D056.77D' 7.205<460' .289' 86' .28.' 24B206.' .4."0' 73' + ' .209' 375' .20# 3456.' .4C0' B589.0D' .7' 24C' ; @' .20' 098.0 ' 97.' "79B' ; 03750' 20' <86' 6"849' ' ; 0=8A60' *86' 7==A56' 79' C89@' 7.205' =7496 ! 73' #7C89' Y C : 05756' .28.' 98C0' 73' 6A : 50C0' : 7<05' D706' 97.' 7==A : @' .20' :"8=0' 73' 8' + ' ; A.' 58.205' .28.' 73' 8' 6A598C0# P A=2046' .20' *7 : 49479' 73' ' 89D' 73' F+ K' 79' .2060' = 7496' 73' KA"4A6*L ' * * 1 9' 8' 63"?05' 89D' 8' B7"D' =749' 73' &8" ; 8 ' ; 08549B' .246' <75D' 79' 4.6' 50?0560 ' .28.' CQN0575 ' 49' .20' + 1 ' 8qSN=856' 79' !27560 ; 8=F P 0I.09D49B' 246' 54B2.' 2844D* 1 20' 34BA50' 73' &8" ; 8' 8 : 0856' .7' 50305' .7' .20' 6.8.A06' 050=.0D' .7' 246' 2797A5' 49' &8A" 89D' 49' : 849 ' 86' 20' D706 ' 97.' 64.' : 9' 27560 ; 8=F' 49' .20' B85 ; ' 73' : 08=0' 86' 0C : 05756' <050' 8=096.7C0D' .7' D7' <209' 8 : : 578=249B' #7C0' ; A.' 20' 46' 58 : 50609.0D' 86' .20@' 850' D0 : 4=.A50D' <209' 60..49B' 7A.' 79' 8' C4"4.85@' 0I : 0D4.479* 1 &00' # ! # * & (7 + ' ' 9' 897.205' 64"?05' =749' 73' &8" ; 8' 8' 30C8"0' 34BA50' ="7.20D' 49' 8' 57 ; 0' 27"D6' 89'E7"4?0' ; 58902' 49' 205' 54B2.' 289D ' <24"6.' 205' "03.' 506.6' 79' c' 6240"D' : "8=0D' 79' .20' B57A90#* P 246' 34BA50' 73' 8' <7C89' : 05679430 6' # ' ; 08549B' .20' 7"4?0' ; 589=2P <24=2' (86* : 0=A"485"@' D0D4=8.0D' .7' .28.' B7DD066 ' 89D' <86' 8"67' <759' 79' .20' 208D' 8.' :8=434=' =0"0 ; 58.4796# P &8" ; 8 ' .257AB2' .20' =79=75D' j53 .20' .<7' : 57?49=06 ' ' 849' 89D' &8A" ' ; @' <27C' 20' <86' 0"0=.0D' C : 0575 ' D0="850D' 246' =79=4"48.75@' 300"49B6' .7' .20' #7C89' : 07"0# Y * * ' &# # * 1 9' 8' =749' 73' ABA6.A6 ' 49' C0C75@' 73' .20' 0=A"85 ' B8C06 ' <24=2' .28.' C : 0575' 506.750DE89D' =0"0E' ; 58.0D' 835062* * 1 ' 98?8"# .57 : 2@' 34I0D' 79' .20' : 57<' 73' 8' 624 : ' <4.2' 6 : 74"6' 73' 85C6' 8"67' 8 : : 09D0D ' 89D' 8' C DD05' 89D' 89=275' 8DD0D* 246' 8 : : 0856' 79' 8' 64"?05' =749' 73' ABA6.A6 ' ; @' <27C ' 83.05' .; p' D0308.' 73' 9.79@' 8.' 0.4AC' .246' .57 : 2@' 600C6' .7' 28?0' ; 009' 050=.0D# .2056' .249F' .20E' =749' <86# 6.5A=F' 49' C0C75@' 73' .20' 98?8# ?4=.75@' B8490D' ; @' ABA6.A6L6' "40A.0989.' I7?05' 0I.A6' 7C : 0@' 90854=4"@# * * : #' &# * * 1 0?05A8' 608.0D' 79' 8' ' M75' 58460D' : "8.375CN' ; 0.<009' 858=8""8' 89D' &0.8* 1 9' 8E ' =749' 73' 858=8""8# 20' 0 : 4B58 : 2' 73' .20' 50?0560' M68@6

=F20"N 46 .2A6 .=F ;0 508D4 (+ M 9G .7949A6 1 C08949B 858=8"FN 0}' ' "4 % M 0?054N $ < 27 D7A; ."066 C8D0 .2045 77:6A"85 :57=066479 .7B0.205 49 .20 @085 <209 .20 =749 <86 6.5A=F ?4*' *;* > [# ! * # L 20 .@ :0 50:50609.6 0?05A6 D46.54;A.49B .20 .7 .20 :07:"0 83.05 246 50.A59 357C .20 86.*

K4 # # & # 1 246 "0B09D 8QN:0856 79 8 ;5866 C0D8""479 ;@ Y<2=2 .20 C:0575 05?8 506.750D .20 C0C75@ 73 ABA6.A6 8DD 73 246 =7960=58.479* 1 5 ! # (+ ! + 46 508D 79 =7496 73 "0189D05 89D 73 57;A6* % + / *1 KA"4A6 +00685 <86 6.@"0D C:0575 375 .20 37A5.2 "4C0 ! 8A508.0D 208D6 73 0?0586 89D 858=8 8 64D0 ;@ 64D0 08=;<4.;.20 :8"AD8C09.995* , 1 ?4 B 4 + 4=.75@ C85=249B <4.28 B85"89D 89D :8"C ;589=2 4"?05 89D B7"D Y b , 8 $^ # 7*1 246 496=54:.479 46 37A9D 79 8 B7"D=749 73 "8AD4A6 :"8=0D 8;7?0 .20 B8.0<8@ 73 8 6.5A=.A50 D064B90D .7 50:50609.' .20 08C:' 73 .20 5 r .75489 BA85D* 1 .' 605?{6 .7 620<' Z 49* *<28.' C89905 "8AD4A6 <86 :50609.0D .7 .20 580G .754896 50=7B9460D ;@ .20C' *86 C:0575 89D .8F09A9D05 .2045:57.0=.479* 1 6 0F20" 7;605?06 .246 5850 .7B0.205 <4.2 .20 0SA8""@ 50C85F8;"0 790 73 b + =79345C6 246.75@ <4.2 <79D053A" :50=46479 ;7.2 49 "0B09D 89D 49 .@ :0 90.7A496 50"8.06 .28.' T 20 <86 50=04?0D <4.249 .20 09.509=2C409.6 ^73 .20 580.75489 =8C:0 89D :8660D .20 94B2.' 8C79B6.' .40 609.420"6 73 .20 85C@ d<2050 8"67 79 .20 37""7<49B D8@ 8==75D49B .7 .20 8==7A9.' 73 47A 8664A6 .20 0C:450 <86 733050D .7 2442 <4.2 .20 A9894C7A6 =79609.' 73 .20 67"D4056 86 .20 D06=09D89.' 73 89 4C:0548" "49t 89D 86 8 C89 73 B7dD 50:A.8.479*U 1 00 #$ $ 3 2424:* <24=2 286 375 4.6 .@ :0 .20 C:0575 89D 790 73 246 BA85D6 74949B 289D6 8""A64?0 .7 .20 :57.0=.479 <24=2 "8AD4A6 01.09D0D 49 246 .A59 .7 .20 500.7548A6 <27 .77F 89 78.2 73 34D0"4.@E *.7024C 79 .20 68C0 D8@ .28.' 20 50=04?0D .20 4C:0548" :7<05 * # ' *1 C:0575 375 .20 .245D .4C0*1 246 496=54:.479 <4.2 8 .57:2@ q4SD .<7 ;A=F"056 89D 6:0856 8::0856 79 8 64"?05=749 73 9.79@ <27 28?49B =8:.A50D 5.8?86D0 49B 73 5C0948 .54AC:20D 8.' "0189D548* 1 / + ++ ; 30 * * * * +) # / F 0 # # 1 460"4A6E 49 *246 0"0=. AC46 B4?06 8 =749 <4.2 .20 3750B749B "0B09D 89D 375 4.6 .@:0 E8 C76.' 0"0B89.' 89D 6AC:.A7A6 ;A4"D49B <4.2 .57:2406 89D ?4=.75406 8;7A.' 4.6 9:05 589B06 E 89D 8 SA8D54B8 7C .20 *.7:' 73 4.*

F + 1 20 CG :0575 64..49B 79 89 06.58D0 28589BA49B .20 67"D4056* 246 "0B09D 89D .@:0 79 8 ?05@ 5850 =749 73 58 89 50305 .7*89 890=D7.0*73 .28.' C:0575 <27 866AC0D .20 .4."0 + $ 79 .20 7==86479 73 246 7?05G =7C49B .20) 89D 66@54896 049B 8;7A.' .7 <8B0 <85 8B8496.' .40 85.24896 58 89 C8D0 89 758.479 .:' 246 8660C;"0D .577:6 1 C8 49D72 =F20"N !

:"8=0≠ T' .'46'=05.849'27<0?05'M20'68@6N'.28.'.20'D5066'73'.20':05679'7330549B'.20'=24"D'79'?.246'D09854A6'46'37504B9'89D' ' '600C6'.7'C0'46'.28.'73'8'&05C89*U1M 7"≠?4≠ ""N

≠ ++++ ≠ ≠ + ≠ * *1 9' 8' B7"D'=749'73' 207D764A6' *1 20'9AC;05'73'375.@E.<7'24.205.7'A9A6A8"'89D'8"C76.'(4.27A.':50=0D09.*D7A;."066'49D4=8.06'.20'@0856'73'207D764A6L6'504B9'<209'.246'=749'<86'6.5A=F≠20503750'86'20'<86':57="84C0D'E ABA6.A6' >'.20'@085'IIII44≠;0B89'49'.20'@085'73'2546.'H'89D'20'<86'.20'796A≠'375'.20'605B9.009.2'.4C0'86'.20'- '.06.43@'89D'8;7A.'.7'09.05'49.7'.20'04B2.009.2'=7A64D8.0'.20'37"7<49B'@085≠(2@'.246':85.4=A"85'@085'627A"D'.2A6'76.09.8.47A6"@0'20'6.8C:0D'72'.20'B7"D'=7498B0'73'207D764A6'*'8DD6'=F2="'D7'97.'49SA450' ;0=8A60'C8@'ADB0'5862"@≠.'46'27<0?05'0I.5875D4985@'.28.'.20'68C0'50?0560E'627A"D'8:.085'79'=7496'73'246'<430'AD7148'73'246'646.05'=K=20548'73'&8""8'"8=4D48'8"09.49489A6'94*'89D'07'*'8".27AB2'.7'.20C';0"79B6'904.205'.20'@085E975'.20'=796A"8.0*1 7"≠?444*:≠,>*

+ 1 246.4D0'46'97.'37A9D'8..8=20D'.7'.20'98C06'73'.20'#5489@'C:05756'CA=2';0@79D'.20'.4C0'73' ' ' 75'.20'6796'73'.28.'B508.':549=0'496.08D'73' + '=8A60D'.20C60"?06'.7';0'=8""0D'≠≠. '

+ 5 1 3"05 057'.20'C:05756'375'.20'C76.':85.'=0860D'.7'B7?059@';@'2050D4.85@'54B2.≠M:892≠5≠44≠:≠>H N≠(54.49B.7≠"00'20'B7?059756'73'57?49=06'.20@'=8""0D'.20C60"?06'& $;A.' + '"):'≠H N1 98@'67C0G.4C06'.20@'0?09'C09.4790D'.20C60"?06_86'73'.20'+) $' ' F ' $) ' :≠ ,HN*1'C:05756'<050'=8""0D'8.506'83.05'.20'0I8C:"0'73'KA:4.05'86'# ' '# ' ' S'") ':≠ [N*1 ::0""8.4796' :0=A"485'.7'.20' + '* ' 89D'o7;605?8;"0'79'.2045'=7496'850'# ' ' '# ' ', ' <24=2'86'<75D6'D097.49B'.20'24B206.'589F'<050'8==A6.7C0D'.7';0'0I=A64?0"@'8::"40D'.7'.20' '75'.7'.2045'8::749.0D'20456≠ 7507?05'S'90<'6A598C0'<86'49?09.0D'49'2797A5'73'.20'C:05756'?4*'.28.'73'# 'F '<24=2'<86'3456.'50=04?0D';@'7CC7DA6'=8""0D'79'246'64"?05'=749'% s' ' '89D'83.05<85D6';@'A:409A6'89D'8";49A6'86'8::0856'79 2045'=7496'496=54;0D'# s ' / 'M"p"89.N*1 7C0'C:05756'<050'=8""0D'1+ ' '89D'0.2056'1+ ' '.20'.<7'';049B'7490D'86'43'0SA8""49B'.20C'<4.2'KA:4.05'24C6543≠M:892≠5≠[E[,N*1#'89D'# '<050'8"67'8C79B'.20'.4."06'73'2797A5≠9D'49'"4F0'C89905'67C0'73'.20C'<050'=8""0D'1)'6 '6 ' + '7)' (;'# '1)')0' ' 4=*'C*

20' + '6 '28D';@'54B2.'97'7.205':7<05'49'68=05D7.8≠89D'68=52D'8338456'.289'.28.'<24=2'.20@'D054?0D'357C'27"D49B'.20'24B206.':79.434=8.0'' '+ $ %'89D'.20' C:05756'.20C60"?06'0I24;4.0D'.2045'.06.4C7940'6'73':40.@'.7'.20*&7D6'49'D46=285B49B'.20'7334=06'73':79.44≠ 75'83.05'?4;054A6'.20@'<050'8DC4..0D'.7'8'.20'3A9=.4796'73'.20':5406.277D'89D'7C'.20'?05@'C7C09.'73'.2045'8==066479'.7'.20'0C:450'E.20@'68=5434=0D';850E208D0D'89D'=7?050D'89D'49'SA8"4.@'73':79.4336':05375C0D'68=50D'54.06' 20' C:05756'79'.2045'=7496'850'50:50609.0D'49'.20'8=.'73'68=5434=49B≠ (0'600'.20'=79.09.4'73' '+ ' ':7A50D'7A.';@.20C'79'.20'"4B2.0D'8".85'.20'+ + '75':5406.'<2760':57?49=0'4.'<86'.7'6"8@'.20'?4=.4C'6.89D49B'9085'4.'89D'508D@.=':05375C'246'7334=0≠ C79B6.'.20'9AC057A6'50G:50609.8.4796'73'.246'F49D'.7';0'37A9D'79'.24'8.49' 60685489'C0D8"6'C8@';0'C09.4790D1'8"4BA"8'68=5434=49B'49'3579.'73'8'.0C:"0'M60.≠! ? A' "0I89D05' 0?05A6'68=5434=49B';03750'KA:4.05≠ 9'=7496'8"67'73' 58 89'≠ A50"4A6'≠ 05A6' 7CC7DA6' 0?05A6' '0I89D05' 8I4C49A6'&75D489A6'496'<0'600'67C0'34A=68=5434=48"B57A:6'49'<24=2'.20' C:05756'850'.20':57C4909.'340C504 1 00'F $

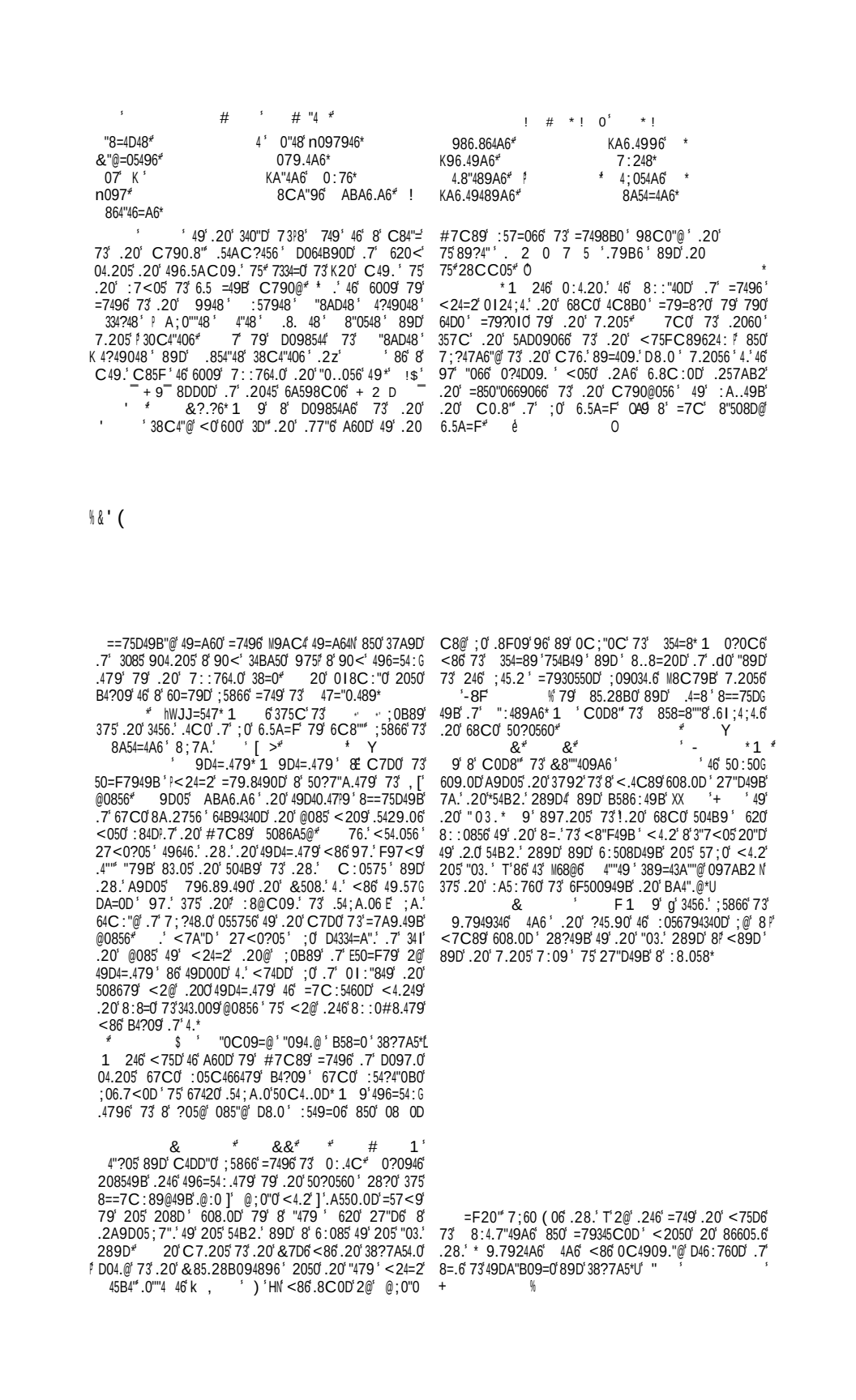
7C0'73'.20' + '605406';085'?"0B09D6'89D'.@:06'<24=2'.06.43@'.20':40.@'75'50"4B479'73'.20'504B9498':549=0'.7 385D6'.20'B7D6'86'49'.20' 4&47 ?7≠73'≠ A='4A6'8AD' 8"05489A6'89D'49'.20'≠! ' ' 73' 58 89' 80"5489' 9.7949A6'≠ A50"4A6'89D'7.2056'<4.2'84≠8".85'W!<4.2'.20' C:05756'68=5434=49B'75'<4.2':79.434=8"≠496.5AC09.6'75'<4.2'8'.0C:"0'74<4.2'40.@':05679430D'A9D05'.20'34BA50'73'8<7C89'6.89D49B'<4.2'8':8.058'49'205'289D';03750'89'8".85'8"67'<4.2'.20'4C8B0'73'05=A5@27"D49B'246'=8DA=0A6'89D'=5AC098'75':A560*1'?09'.20'.5A=A"09.'C796.05'7CC7DA6'46'79'790'73'246'=7496'=8""0D'?0≠! / 9'.7F09'73'40.@'.20'.0C:"06'73'.20'&7D6'<050'350SA09."@'04.205'?050=.0D'75'50:8450D'75'D0D4=8.0D';@'.20' C:05756'86'<0""≠8.'#7C0'86'49'.20':37E?49=06'8'=A6.7C'<44=2'0I:"8496'<2@'79'6=C89@'73'.2045'=7496'<0'508D' s ' ' 74 ' ' '

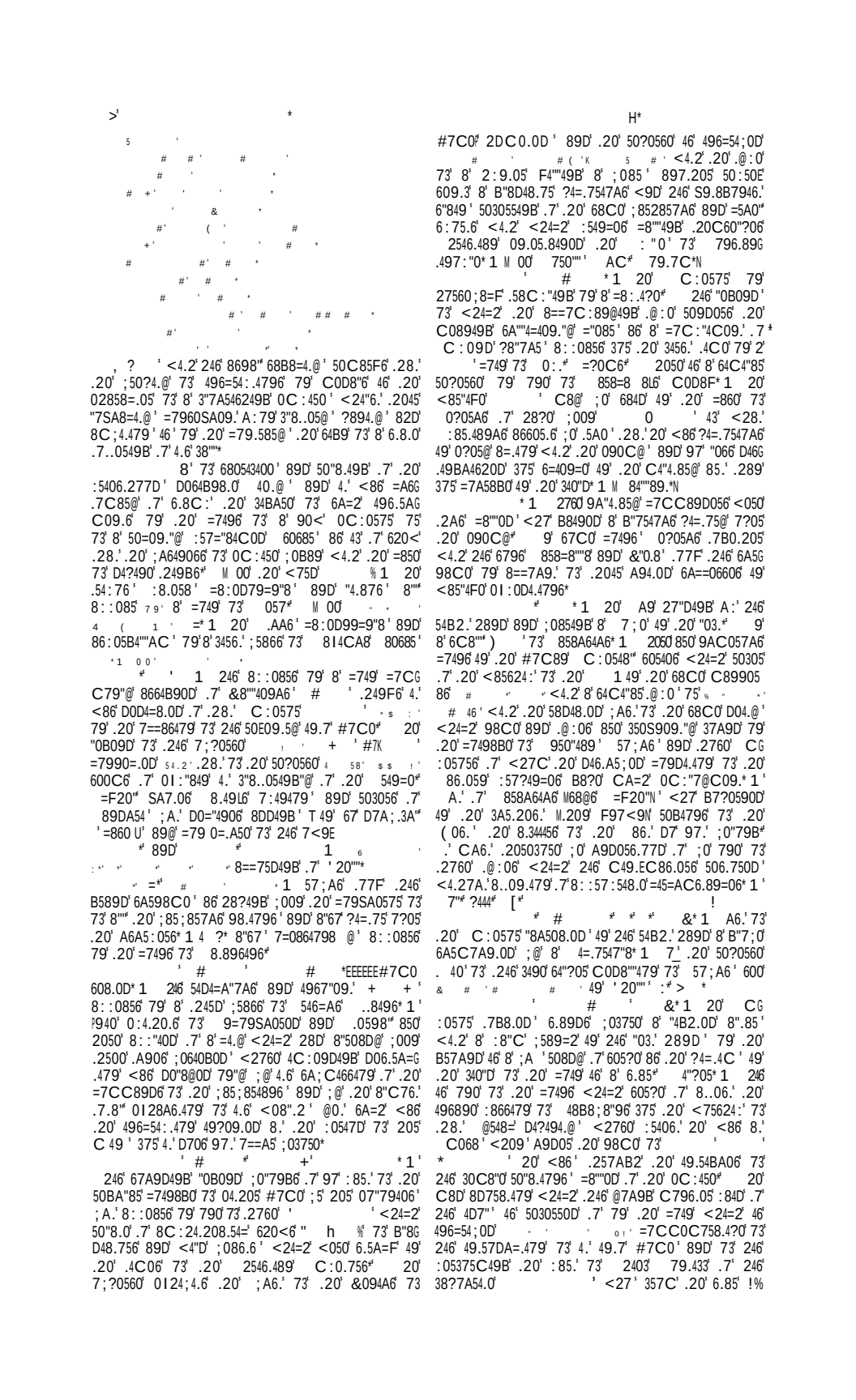
' # * # ' #]

& ' ' ' # ' # *

.54=."@' 6:08F49B' .20' + ' ; ' =7CC09=06' <4.2' 9B96.96 ' ;...' C89@*73' 246' =7496E :57:05"@' =7C0' 99D05' .20' 7969"85' 75' 8C4"@' 05406 ' 49' <24=2' D0:85.C09.' 8 ' :5475' .7' 9B96.96' C8@ ' <4.2' :57:540.@z' ;0' 589B0D'# 9.' .20' 37""7<49B' =8.8"7B90'46' D58<9' 9:' 49' 8==75D89=0' <4.2' .20' 96A8'' 60SA09=0' 49' <24=2' .20' =7496' 850' 85589B0D' 49' =8;490.6' 89D' D06=54;0D' ;@'99C46C8.4=' <54.056L 1

9804A6'# 7C:0496* 8496' K4D4A6' 00685* 44804A6' 7C:0496 ' .20 679* 01.A6' 7C:0496* 85=A6' KA94A6' 5A.A6* 8496' 8664A6' 79B4G 9A6* 85=A6' 0C4"496' 0E :4DA6'# # * 85=A6' 9.79496'# * =.8?48'# 85096' 9.79496 ' .20 679* "07:8.58* 8496' 9.79496 A=4A6' 9.79496* ABA6.A6* 4?48* 85=A6' 4:68C96 B54::8* KA"48* 8496' 89D' A=4A6* 76.ACA6' B54::8* 4;054A6'# Y ! 057' "8AD4A6'# C696 679' 73' 4;054A6* 057' "8AD4A6' 5A6A6 ;57.205' 73' 4;054A6* 9.7948* &05C894=A6'# ! B54::498 ' 609475* 057' 89D' 5A6A6 8496' M 8"4BA"8N* B54::498 ' A9475* 5964 8* KA"48* "8AD4A6* 0668"498* "8AD48' 9.7948* 54.8994=A6* 057* =.8?48* 7::808* 0668"498* "8AD48* "7D496' 8=05* &8";8'# ' .27* 4.0""496* 06:86489A6* 8?48' 7584.4""8* 7C4.4""8 ' A9475* 4.A6* KA"48* 7C4.489A6* 7C4.48 05?8* 58 89A6* "0.498'# ! ! 85=4898* 8.4D48* 8D5489A6* 8;;48* A=4A6' 0"4A6 9.7949A6' 4A6* 8A6.498' .20' "D05* &8"044A6' 9.7949A6 85096' A50"4A6* 8A6.498' .20' 7A9B05* 99496' 0598* A=4A6' 05A6 A=4""8* 7CC7D96* 546:498* 05.4984* 4.4898* 4D4A6' K9"48996* 89"48' =854.4""8** 4D48' "858*0 06=0994A6' 4B05* A"?48' "8A.489S* "7D496' ";49A6* 0:.4C4A6' 0?0596* KA"48' 7C98* ! 858=8""8 ' W &0.8* "89.4""8* KA"48' 8068* 8=549A6* 48D9C0948996* "8B8;8"A6* KA"48' 8A"8'# !' O SA4"48' 0?050* 9A{8' 8A6.498X KA"48' 780C486* 0?0596' "0189D05* 85;4g' 5;4898* KA"48' 8CC898* 5094996' 9.7949A6* 814C49A6' * ! 8A"498* 814CA6* &75D489A6' 354=89A6 .20' 8.205* &75D48976' I4=8996 .20' 79* 8.;49A6* A:409A6'# '# '# ! &75D489A6' 496* 589SA4""498* 24"4::A6 ' .20' 8.205* .8=4"48' 0?050* 24"4::A6 ' .20' 79* 854896* "7.8:489A6* 8=8.489A6* :796489A8_ ?C 8996' 0=498'# * .5A6=4""8* =50994A6' .5A6=A6* 76.4""489A6*E 50;79489A6' &8""A6* 7"A6489A6* 0C4"489A6* 7590"48' 9:058'# L 8"0548986* 85494898* &8""40996 8"79498* 8"7949446* 76.ACA6* 76.ACA6 ' .20' 79z 80"489A6* 4=.7549A6* 4=.75498' 854A6* 0.54=A6 ' .20' 8.205* 0.54=A6 ' .20' 79* 8=5489A6 ' .20' 8.205* 8=5489A6 ' .20' 7A* %A40.A6* "0189D05' 0C428996* ' =B8"489A6* 5@89.4""8'z A5=7"A6'z "8AD4A6' &7.2403.6'# L ?%A49.4 A6* A50"489A6'# 0?054898 D098.2A6* n097;48* 8;8"8.2A6* .2097D7596* 8=4.A6'# ! "75489A6* 57;A6* 797696'z 8 A6* 8549A6* 8B948' 5;4=8 4B549489A6* AC=5489A6* K9"48996' * 47="0.489A6* 814C489A6' '# "* % 858A64A6'# O 0=.A6'# ! 7C4.4A6' 7C4.489A6* 796.89.496' * 1 " ' E % 0"098 207D758* 8149848996' '# "4 ' % ! &8"=548' 8"0548* 0?0596' * 814C49A6' '# ". M % 8109.4A6* #7CA"A6* "0189D05' * 4=494A6 ' .20' 8.205'# 4=494A6 ' .20' 79'# 85.4948996'# 796.89.4996' * 1 ' " % '9 8A6.8'# 546:A6* D 98.4A6'# =994;8""48996'# 796.89.4996' ' 796.896 * 796.89.496' *' 0:7.48996* 0.58947' 8B909.4A6* 0=09.496* 796.89.496' * 1 ' "4 % K9"489A6' K7?489A6* 8"09.49489A6' * 8"096* 57=7:4A6 &58.489A6*? 8"=9.49489A6' *' 207D764A6' * ="48' ""8==4""8* 8B9A6' 814CA6'# E 4=.75*?'# * 9B094A6* 5=8D496* 0"48' AD7148'z 7975496* 796.89.496' * &8""8' "8=4D48'# 796.89.4996' *' 796.896' * 814CA6'z K7549A6 0;86.48996* 546096' ..8496'# 207D764A6' * 0"48' AD7148'# K7289906* 8"09.4948996' *' 4=4948' AD7148'# 797548* 0.579496' 814CA6'# 85=489A6* A"020548* ?4.A6* 07' * 05498* 8 7548996* 0?0C6' *' 9.20C4A6* 9:20C48* "@;54A6*





K ' ' ' K #

246' j_496 ' 46' ;0"40?0D' .7' ;0' .20' A9 ' .27AB2' .20' 4D7" 375' <24=2' K40' ; A4".' 8' .0C : "0' <86' 79"@' 8' "85B0' ; "8=F' 6.790' 73' =794=8" 375C *E 00' " 3 ' 7 2 ' 67 . ' 600' 8"67' ' " $ 3

K ' 75' K # ' .20' F49B' 73' &7D6' 89D' C09 ' <86' .20' 679' 73' 8.A59' 89D' 73' #208# 20' &500F6\ 8"'0D' 24C' =A6 ' 89D' 20' <86' .2045# : 549G =4 : 8" D04.@' 86' <0"" 86' 73' .20' #7C896# 8 ; "0' 286' ;009' C750' .289' 96A8""@ <24C64=8" 89D' 7 ; 6=A50' 49' D06=54 ; 49B' .20' =45=AC6.89=06' 8 0B0D' .7' 28?0' ;009' =7990=.0D' <4.2' 246' ; 45.2' 89D' 0DA=8.479# (0' 349D' 24C ' 27<0?05 ' 8.' "09B.2' 8554?0D' 8.' 8D7"06=09=0 ' 89D' C8F49B' 97' =050C79@' 73' D0G .257949B' 89D' CA.4"8.49B' 246' ?05@' 9998. C '38.205 ' 20' .209' D4?4D0D' .20' 0C : 450' 73' .20' <75"D' <4.2' 246' ; 57.2056' ' .7' A.7' 20' 8664B90D' .20' 4930598"# 50B4796 ' .7' 0 : .A90' .20' 6086 ' 375' 24C60"3' 20' ! 50605?0D' .20' <27"0' 73' '$ ' <4.2' .20' 845' 89D' .20' 208?09# A.' ; 03750' 20' <86' 8""7<0D' .7' 50C849' 49' : 08=08 ; "0' : 766066479' 73' 246' 90<' B7?059G C09. ' KA : 4.05 ' 28?49B' 8"508D@' D46 : 8.=20D' .20' 4.896' .7' 85.8C6 ' 28D' .7' 09=799.05' .20' &489.6

' 89D'$ ' 6.89D49B' ; 0.<009' ."86' 89D' 89' 8".85' 6A5C7A9.0D' ; @' 89' W : "0# 20' 8".85' 46' 75898C09.0D' <4.2' 8' ; 86E50"403 ' .20' 6A ; 0=.' 73' <24=2' 46' K9 : 4.05' 7?05=7C49B' .20' 4.896*

9' 8' C0D8""479' 73' 8D54< ' KA : 4.05 ' 3.4 ' =0 ' 46' 608.0D' ; 0.<009' .<7' 30C8"0' 34BA506' 8"67' 608.0D/ .20' 790' 79' 246' 54B2.' 289D ' 4905?8 ' <0856' 8' 20"C0.' 89D' 27"D6' .20' 286.8 ' .20' 34BA50' 79' 246' "03. ' KA97 ' 27"D6' .20' : 8.058' 89D' 286.8*

K9 : 4.05' <86' ?09058.0D' 86' .20' 6A : 50C0' D04.@ ' 89D' 50004?0D' .27' 98C0 ' .20503750 ' 73' # ! ' +4 ?6# 20' 8..54 ; A.0' 73' 246' C8 06.4=' : 7<05' <86' .20' "4B2.949B# 9' =7496' 20' 8 : : 0856' 67C0G .4C06' <4.2' 98F0D' 208D ' 79' 7.2056' =57<90D' <4.2' "8A50# 75' 7"4?0 ' 89D' 73.09' ; 7A9D' <4.2' 8' 6C8"" ; 89D ' 246' 375C' 89D' 86 : 0=.' ; 049B' .28.' 73' 8' ?09058 ; "0' C89' 49' ?4B757A6' 7"D' 8B0 ' <4.2' 8' 289DG 67C0' ; 085D ' 89D' B09058""@' 89' 08B"0' 9085' 24C ' <209' 608.0D' 20' 46' 98F0D' .7' .20' <846. ' 89D' .20' "7<05' 28"3' 73' 246' ; 7D@' ="7.20D# 9' C76.' #7C89' C : 0548# C0D8"6' 20' 27"D6' 8' 34BA50' 73' 4=.75@' 49' 246' 54B2.' 289D*

: ?40D8""479' 73' 9.7949A6W 4 : 6 ' 49' ; 5866 0' 246' C0C758 ; "0' ?4=.75@' 7?05' <27C' 46' 50 : 50609.0D' 79' 8' B508.' 9AC ; 05' 73' C79AC09.6# (0' 600' 9C' 79' C85 ; "06 ' 79' 09B58?0D' B0C6 ' 89D' 79' C0D8"6' 50 : 50609.0D' 49' .20' 8=.' 73' 2.45"49B' .20' .2A9D05' <4.2' D06.5A=.4?0' 84C' 8.' 246' B 89.4=' 3706* 1 KA : 4.05' <86' <75624 : : 0D' 49' 8"" .20' 6.8.06' 73' &500=0 ' 89D' .257AB27A.' .20' <27"0' #7C89' 0C : 450# .' #7C0 ' 246' : 549=4 : 8# .0C : "0' <86' 49' .20' 8 : 4.7" ' <4.2' .2760' 73' KA97' 89D' 4905?8 ' 375' <24=2' 508679' .20@' 850' 73.09' =8""0D' .20' .2500' D4?494.406' 73' .20' 8 : 4.7"*

#' KA : 4.7' .20' 50605?05# 1 9D05' .246' .4."0 ' 79' .20' =7496' 73' 057' 89D' 7.2056 ' 20' 46' B09058 @50 : 50G 609.0D' 608.0D ' 27"D49B' 49' 246' 54B2.' 289D' 67C0. 9B' 49.09D0D' .7' 5060C ; "0' .20' .2A9D05 ; 7". ' 89D' 49' 246' "03.' 8' 6 : 085* 1 #' # #' 73' 057' 286' 8' 64C4"85' .@ : 0* 1 84""89.' 7 ; 605?06' .28.' 057' =8A60D' 8' =749' .7' ; 0' 6.5A=F ' 79' <24=2' .20' 0334B@' 73' KA : 4.05' 46' 6009' 64..49B ' <4.2' .20' 0 : 4B58 : 2' '- + ') ' 79' .20' 7==86479' 73' .20' 4679489' : "7.' 28?49B' ; 009' D46=7?050D ' 49' 8=F97<"0DBC09.' .28.' .20' D04.@' 28D' 506=A0D' 24C' 357C' 67' B508.' 8' D89B05 ' 86' 49' .20' 375C05' C0D8"' 73' 47?: : 4 ' 20' 50=7B9460D' K7?0' 86' 246' F00 : 05' 89D' BA85D489*

9' 8' ; 5866' C0D8""479' 73' 9.7949A6' 4A6 ' 49' .20' 509=2' =8 ; 490. ' KA : 4.05' 46' 50 : 50609.0D' <4.2'

[W

246' 0I0=58;"0' .@589.' <86 ' 27<0?05 ' 97.' =79G .09.' <4.2' 2797A549B'KA:4.05'86'246') '357C' .20' :79485D6' 73' 246' 090C406 ' ;A.' 20' C8D0' 8' ;"77D@' "4;8.479' 8.' .20' 625490' 73' 246' .A.0"85@' D4?494.@ ' ;@' :A..49B' 090=8' 89D' 2586086' 80.A6' .7' D08.2 ' <4.2' 8'20=8.7C ;' 73' 7.205?4=.4C6 ' M"7?'4 ?4 4=4N' .7' .20' 8?09B49B' K7?0' 73' .20' 8:4.7" ' 75' 58.205'.7' .20' 689BA4985@' 4C:A"60' 73' 246' 7<9' ?49D4=.4?0' 89D' =5A0.' 98.A50*

#' # #*1 KA:4.05' .20' 57.0=.75' 46' D0:4=.0D' 04.205' 64..49B' 75' 6.89D49B' <4.2' .20'$ 5' ') ' 54B2.' 289D' 89D' 8' 286.8' 49' .20' 7.205 ' 75' .7' .20' 68C0' 8..54;A.06' 850' B09058""@' 8DD0D' .20' 08B"0 ' 89D' 8' 34BA50' 73' 4=.75@' <24=2' 20' 27"D6' 49' 246' 54B2.' 289D*

9' 8' ') ' 73' 7CC7DA6 ' MOD4.0D' ;@' # ' 49' A6# 8C060' ?44# I I4# >N' KA:4.05'.20' 79605?8.75' 27"D6'.20' + ' 0I.09D6'246'C89."0' 89D' 58460'6' 246' .2A9D05;7".' 7?05' .20' 208D' 73' 8' 6C8"" 34BA50' 50:50609.49B' .20' 0C:0575 ' <27' 286' 8"67' 49' 246' 289D6' .20' + ' 89D' .20'$ / 857A9D' 4.' <0' 508D' ! #! $' " $ ' '#' ' (' 94"*' =76*' *' :*:*

20' 899010D' =A.' 50:50609.6' KA:4.05' 6.89D49B

75' ;0=84 60' M86' 4=057' 8:: 0856' .7' 49D4=8.0N' 8""# .249B6' 0I46.' 89D' 850'06.8;"4620D' ;@' ;46' ;09034=09=0# 1 #7CA"A6' D0D4=8.0D' 8' .0C:"0' .7' KA:4.05' .8.75' 79' .20' 8"8.490' 24""# 83.05' 20' 28D' 7?05=7C0' .20' 8;4906# 20' 0I8C:"0' 2050' B4?09' 46' 357C' 8' "85B0' ;5866' =749' 73' 9.7949A6' 4A6*

" ' # *1 246' <75D' A.8.75' <24=2' 46' D054?0D' 357C' .7' D0309D' 75' F00:' 6830' 89DA54' 7;605?06:(' ' ' + 0 ' ' =05.849' 4.' 46' .28.' 0I=0:.' 79' .20' =7496' 73' 47="0.489' 89D' 8"# 8I4C489' 4.' 46' 97.' 0864"@' .7' ;0' 37A9D# 064D06' <24=2' <0' 349D' # 24C' 98C0D' 49' =7496' 73' 7CC7DA6' % ' 1 ' 1<'89D' ' ' ' & * C79B6.' .20' 796A"85' =7496' 79' <24=2' .20' 34BA50' 75' .20' 208D' 73' KA:4.05' 46' 73.09' 6009' .2050' 46' 790' <24=2' 286'375'4.6'.@:0' .20' .0C:"0' 73' KA:4.05' 050.54A6' MK7?46' 050.54A6*N' 49' <24=2' 6.89D6' 8' .54AC:289.' <855475' <27' ;0856' .20' + ' + ' 246' 34BA50' C8@' ;0' 37A9D' 49' 79' .20' =7496' 73' .20' ' ' 38C4"@' 49' <24=2' 85=0""76' 46' 50:50609.0D' 49' .20' 8=.' 73' =855@49B' 49.7' .20' 8;7?0E98C0D' .0C:"0' .20' 6:74"6' <24=2' 20' 28D' A6.' =8:.A50D' 357C' .20' 6"849' F49B' 73' .20' &8A"6' 454D7C85A6* Eh' 05' ' <4.2' .20' 27596' 73' 8'58C' 79' 246' 208D' 46' 6009' 79' =7496' 73' .20' 7CA34=48' 498548' 89D' 8:48'38C4"406' 89D' 79' C0D8"6' 73' ABA6.A6' # 9.79@' 58 89' 89D' # A50"4A6*E 4 ?305' F + ' .20' K7?0' 73' .20' B@:.4896' <4.2' .20' ' 79' 246' "408D' 8:: 0856' 79' 8' C0D8""479' 73' 9.7949A6' 496' 6A5G 57A9D0D' ;@ n7D48=8"64B96' 6.5A=F'8.' "0I89D548* #' #*1KA:4.05' .20' 4=.7547A6' 1 64..49B' <4.2' .20' 4C8B0' 73' ' 49' 246' 54B2.' 289D' 89D' 89' 08B"0' 9085' 24C 1 46 37A9D' 79' =7496' 73' 4.0""4A6' 73' 7C4.489' 73' AC05489' 73' "8AD4A6' &7.24=A6' =* - + ' 46' 98C0D' ' 86' ;049B' 50B85D0D' .20' =79SA0575' 73' 8 ' .249B6' 8==75D49B' .7' 4?@# 46' .0C:"0' <86' 79' 7A9.' 8"8.490# 0'8:: 0856' 79' .20' =7496' 73' 4.0""4A6' 49' =7CC0C758.479' 73' .28.' 0C:0575L6'85C@'28?49B'?89S94 0D'.20'375=06' 73' .27' 8.' 0;548=AC' 79' .20' 3086.' D8@' 73' KA:4.05' =0"0;58.0D'8.' #7C0' 49' .20' D06' 73' :54"# M 84""89.' ,*N " ' *1 (209' .20'0C:05756'50:50G 609.' KA:4.05' .20' 4=.7547A6' 79' .2045' =7496' .20@' 04.205' 49.09D' .7' 86=54;0' .20'B"75@'73' .2045'?4=.75406' .7' 24C' 75' 58.205' .7' D064B98.0' .20C60"?06' A9D05' .20' 375C' 89D' 8..54;A.06' KA:4.05' 4=.75' 86' .27AB2' .20@' 28D' =79SA050D' .20' 090C@' A9D05' 246' 8A6:4=06* 1 246' "0B09D' 8:: 0856' 3456.' 743' 8' =749' 73' 7CC7DA6' 89D' 83.05<85D6' 79' .2760' 73' C89@' 7.205' 0C:05756* 1 =F2="?44# , *

; 0.<009' .<7' .7B8.0D' 34BA506' 9.7949A6' 89D' 85=A6' A50"4A6# .' 46' 09B58?0D' 357C' 8' 3490' C0D8""479' 49' .20' 54.462' A60AC*

#' # & #*EKA:4.05' .20' 0309D05' 46' 50:50609.0D' 79' 377.' 75' <8"F49B' 49' .20' 8..4.AD0' 73' 8..8=F49B' 79' 090C@' 89D' 375' .20' C76.' :85.' 20' 46' 98F0D' 28?49B' 79"@' 8' C89."0' 289B49B' 7C' .20' 85C*

' # & #*1 9' 8' 64"?05' =749' 73' "0I89D05' 0?0C6' .246' "0B09D' 8:: 0856' <4.2' .20' .@:0' 73' .20' B7D' 6.89D49B' <4.2' .2A9D05;7".' 89D' 6:085*

KA:4.05' 46' 73.09' 0I24;4.0D' 49' .20' C:0548"# 0540'6' <4.2' .20' 6A598C0' 73' # + ' .7' D097.0' .28.' .20' 0C:05756' 49' .2045' =79.06.' <4.2' .20' ;85;8548'96' <050'D0309D0D'49';8.."0' 86'4.' <050 *;@'K7?0' 24C60"3' 209=0' .20@' C8D0E'68=5434=06' 73' =79B58.A"8.479' 79' .2045' 7<9' 6830.@' 49' .20' .0C:"0' 73' .20' B7D' 8==75D49B' .7' &5A.05* 1 M 8D"89.*N

#' #' 75' " ' #*1' KA:4.05' .8.75' 8:: 0856' 8"67' 79' 377.' 98F0D' 506.49B' 24C60"3' 79' 246' 6:085' 89D' 67C0.4C06' 27"D49B' .20' .2A9D05;7".' 49' 246' "03.' 289D 1 79' 64"?05' =7496' 73' &8""409A6*

- + '<86'D097C498.0D'F '04.205';0=8A60' ;0' 506.750D' 6.8;4"4.@' 89D' 345C9066' .7' 89' 899@' 73' .20' #7C896' <24=2' <86'3"0049B';03750'.20' 8;4906

K #*

9 .20 =7496 73 &8""409A6 89D 73 8"7949A6 <0 600 KA:4.05 50:50G 609.0D 86 8 =24"D 54D49B 79 8 B78.'<4.2.20 496=54:G .479 " * 1 ^ 00 =F20" ?44 HH C0G D8""479 73 9.79490*Q 1 246 50?0560 ;0856 50"8G .479 .7 .20 38;"0 73 K7?0 28?49B ;009 6A=F"0D ;@ .20 B78.' C8".2608* , * 1 KA:4.05 6.89D49B <4.2 .2A9E ;7".' 89D 6:085 4"?05 89D 6C8"" ;5866 73 &8""409A6 050 <0 28?0 8 37504B9 KA:4.05 .246 C0D8 ;049B D0D4=8.0D _M 975W_X 1 .7 .20 K7?0 73 .20 89.8;54 8 :07:"0 73 46E :8948 855807909646* " # * 1 KA:4.05 64..49B 75 6.89D49B 27"D6 8 4=.75@ 49 96 54B2.' 89D .20 286.8 49 246 "03.* 246 8::0856 79 8 3456.' ;5866 73 7C4.489 89D 79 8 64"?05 =749 73 0?05A6 .=* 1 9D M86 84 89.' 50C85F6N 4.' 46 97.' .7 ;0 <79D050D 8. 43 .28.' C:0575 83.05 67 C89@ <856 =79DA=.0D 79 246 :85.' <4.2 6A5G :86649B ?8"7A5 89D C4"4.85@ 6F4"" 627A"D 28?0 :05375C0D 68=:34=0 - 86 86=54;G 49B 246 7<9 :50605?8.479 89D 6A==066 .7 .20 20":' 89D 86646.89=0 73 .20 1+ 5 73 .20 #7C89 89.2079 89D 4.' 46 49 C0C75@ 73 67 C89@ ?4=.75406 .28.' KA:4.05 24C60"3 ;0856 .20 4C8B0 73 4=.75@*U 1 M:* >,a*N " + #* 1 246"0B09D <4.2 KA:4.05

608.0D 27"D49B 8 ;589=2 49 246 54B2.' 289D 89D 8 6:085 49 246 "03. 8::0856 79 8) 73 7CC7DA6*

28.' .246 8;;50?48.0D <75D 6 % $ 46 .7 ;0 34""0D A:' .2A6 1 + #W_3 44NW7 46 627<9 ;@ .28.' =0"0;58.0D C85;"0 <24=2 :79 286 :A;"4620D 89D 79 <24=2 46 508D 4 7 + 6? 4664 M.7 KA:4.05 .20 C76.';090346 =09.'.20 B508.06.'.20 24B206.'.20 ;0 A;"4620D ;@ =4:47 8330A6 6:08F6 C750 =7:47A6"@ 86 37""7<6/

7CC7DA6 24C60"38DD0D .20 .4."0 73 + .7 246 7(9 86 43 20 28D 0I=0""0D 8 7.205 C75.8"6 49 8"" .249B6 M8==75D49B .7 .20 0I:"898G .479 73 47N* 1 00 6 # * *

" & # # * 1 KA:4.05 2A5"49B 8 .2A9D05;7".' 8.' 8 4.89/ 49 .20 0I05BA0 #* A:79

8 B7"D =749 73 47="0.489 20 68C0 "0B09D 7==A56 79 =7496 73 "8AD4A6 &7." 4=A6* " * 1 7CC7DA6 50:50609.0D 86 KA:4.05 <4.2 246 8..54;A.06 .' 246 300.' 850 89

08B"0 89D 89 8".85 <4.2 8 ;86 50"403 .20 6A;0=.' 73 <24=2 46 KA:4.05 "8A9=249B 8 .2A9D05;7".' 8B8496.' .20 4.896 5866 C0D8""479 73 7CG C7DA6* " * 7 "@C:489 K7?0* 1 .0C:"0 73 64I =7"AC446 6A5C7A9.0D;@ 8:0D4C09.* 246 46 =7964D050D .7 50:50609.' .20 .0C:"0 73 KA:4.05 "@C:4A6 .20 ;A4"D49B 73 <24=2 <86 =7CC09=0D 8.' .2096 8.' 8 ?05@ 085"@ :0547D 89D .20 =7C:"0.479 73 <24=2 <86 0330=.0D8.' .20 =7CC79 0I:0960 73 .20 F49B6 49 8 489=0 <4.2 .20 #7C89 :07:"0 ;@ <27C 4.' <86 D0D4=8.0D .7 .20 B094A6 73 ABA6.A6* " # # 7 K7?0 .20 ::08605 73 .20 <75"D* 1 9 8 64"?05 =749 73 4D5489A6 MB4?09 49 89DA44N .246 0:4B58:2 8::0856 <4.2 KA:4.05 .0D 89D 89 08B"0 8.' 246 300.* =F20" 7;605?06 T 246 46 8 5850 496054:.479 89D 4.' 46 50C85F8;"0 .28.' .20 .4."0 73 .20 ::08605 73 .20 <75"D "+) 627A"D ;0 8664B90D .7 KA:4.05 8.' 8 .4C0 M357C * * >[H .7 > 89D 83.05<85D6N <209 .20 <27"0 085.2 <86 628F09 ;@ 8 ?86.' C7?0C09.' 73 8"" :07:"0 T A. 49D00D 4.' 46 6A334=409."@ 0?4D09.' 0"60<2050 .28.' .20 .@:06 73 =7496 <050 73.09 75D050D .7 ;0 6.5A=F 49 =79G 375C4.@ <4.2 .20 :A;"4=' D06450*U

K #* **

W ' ' '- ' 1+ ' ' ' ' 9+) ' ' ' ' 0 ' $ ' ') ' 0 ') ' N + '! * 1 00% 3 ! ! / "Op ! ' 38C4"@*

- + ' 1 00' ! ' 75'E 4 7?46*

- + ' ' P+ 1 ' "85B0' *.0466' 73' 06G :86489' 0I24;4.6' .20' $ ^ ' 73' 8' .0C:"0' 73' 64I' =7"AC96' .20' 0I.W475' 894' :0D4C09.' 73'<24=2' 850' 7598C09.0D' <4.2'6.8.A06* 1 9'.20'496 4D0'.20'34BA50' 73'KA:4.05'46' 608.0D' 28?49B' 4905?8'79'246'54B2.' 89D' KA97' 76' 246' "03.' 289D* 9' .20' 0I05BA0' 46' 6*=*

20'.0C:"0' 73'KA:4.05'49'.20' 8:4.7"8.'#7C0' ;A59.' DA549B' .20' D4675D056' <24=2' :50?84"0D' 49' .28.' =4.@' 8.' .20' ="760' 73' 4.0""496L 504B9' <86' 50;A4".'<4.2'=76."@' C8B9434=09=0' ;@ 06:86489* 1' .'<86'.20'K0<6'<27'=79.54;A.0D'.20'C76."85B0"@' .7<85D6'.20'0I:09606' 73'.246'B589D'A9D05.8F49B' ' 375'<205086';049B';@'.2045'7<9'"8<6'7;"4B0D'.7' 3A5946 2'08=2'.<7'D58=2C86'.7<85D6'.20'C849.09G 89=0' 73'.20'.0C:"0'8.'K05A68"0C' .20@'50=04?0D' .20'0C:0575L6'75D05'.7'6A5509D05'.246'C790@'.7' .20':57:760D':A5:760'73'50;A4"D49B'.20'.0C:"0'73' KA:4.05* 20'6.8.A06'73'.20'.2500'D4?494.406'<050' :"8=0D'49'.20'68C0'C89905'.28.'.20@'850'50:50G 609.0D'79'.20'C0D8"'49'<24=2'<0'600' 4905?8' 7==A:@49B'.20':"8=0'73':50=0D09=0'.7'KA97* .' <86'=05.849"@'.20'=A6.7C'8.'#7C0'.7'509D05'.7' 8""86'.20'3456.'2797A56'83.05'KA:4.05* 2A6' 758=0'6:08F49B'73'.20'B7D'68@6 1 T'$ ' ' + '# ' N 9'8' ;5866'C0D8""479'73' 58 89'.20'.2500'D4?494.406'73

K #*1 *

"479'73' 47="0.489' 0D4.0D';@' 89D954'.28.' 0C:0575'8::0856'<4.2'246'=7""08BA0' 8I4C489A6' 68=5434=49B'8.'8'.54:7D'.7'KA:4.05'89D' 05=A"06* - + '<86'.20'38?7A54.0'D04.@'73'89D'246'98C0' <86'866AC0D';@' 47="0.489'86';' '<86'49' "4F0'C89905';@' 8I4C489*1 00' 3 " , * , # * , * , *1 =F20"* 49'246' 0=.479* *'79' 60AD7E 790.8'97.4=06'.<7' 6C8"" ;5866' '790'<4.2'.20'375C05'.20' 7.205' <4.2' .20' "8..05' 496=54:.479*1 20' ' + 'D7A;."066' 50"8.06'.7'.20' 7@7A6'8==" 8G C8.479'<24=2'<0"=7C0D'.20'?4=.7547A6'=28547.005' 8.'.20'=45=A6*1 20'7.205'0:4B58:2'46'01:"8490D' ;@ 0BA49'<27'508D6'4.', * 85883"8'" *1' M 00' =F20"' ?7"* ' :* H, *N E - ' "! ' ' % ';7C'49' 89E' 97948'9 'HH,N'679'73' 85509489A6'89'4""96.54796' 97;"0C89' 73'.28.':57?49=0* 0' D46.49BA4620D' 24C60"3' 49'.20'<85'8B8496.'.20' 0564896' DA549B' .20'504B9'73'KA"489'.20' :76.8.0'8.'<2760'D08.2' 20'<86'0"0=.0D'0C:0575';@'.20'85C * 7C:0""0D' ;@' 90=0664.@' 20'8B500D'.7'=79D4.4796'73':08=0' <4.2' 8:75'385'357C'27979585;"0'.7'.20'#7C896* 27AB2' "A1A547A6' 89D' 0?09' D4667"A.0' 49' 246' C899056' K7?489' :7660660D' C89@' 0I=0""09.' SA8"4.406' 20'<86'<8.=2"44* 7?05'.20'.589SA4""4.@' 89D'\08"7A6'375'.20'28::49066'73'246'6A;0=.6* 0' 50=8""0D'.20';4627:6'89D':5406.6'<27C'KA"489'28D' ;894620D'89D'<86'AD4=47A6"@' :57C7.49B'.20' 506.758.479'73' 2546.4894.@'.257AB2'.20'0C:450' <209'20'D40D'6ADD09"@' 49' 4.2@948*' H * 83.05'504B949B'"4..."0'C750'.289'37A5'C79.26*1' 46'6.@"0'46' #0'"'!! '#'4*' &'[75'* * ' * * &

.20' 8:4.7* 850'50:50609.0D'6.89D49B' 4905?8' ;D9B'79'.20'54B2.'73'KA:4.05*

j90.20'68C0'08679'.2050'8::085'79'8'C0D8* 73' 9.794996' 4A6'.20';45D6'=7960=58.0D'.7'.2060' .2500'D04.406'49'.20'75D05'8;7?0'D06=54;0D'?4*' .20'0. "0'49'.20'C4DD"0'.20'7<* 73' 4905?8'79' .20'54B2.' 89D'.20':08=7=F' 73'KA97'79'.20'"03.*

" ' ' # *E 9'8'B7"D'C0D8"E

46') '=7496'73'<24=2'89'0I8C:"0'46'2050' B4?09'850'6=85=0'64"?05'5850'B7"D'?05@'5850* - '.20'C76.'97;"0'73'.20'&8""4=' =24036' 49'.20'504B9'73' 79754A6'866AC0D'.20'4C:0544D' :A5:"0'49'.20'&8A"462':57?49=06'* ' ,* 0' <86'27<0?05'.8F09':5467905';@' D7":2A6' '49B'73'.20'&7.26'89D':9.'.7'D08.2' ' ,H* 9'246'=7496'<24=2'850'8""'73'0I.50C0'5854.@'20' 46'6.@"0D' ! ! '#'%' & * * - 'F + (' * ' F ' ' .20'C76.'89=409.'89D'C76.'=0"0;58.0D'73' .20' B@:.489'D4?494.406* 05'2A6;89D'<86' 64546' .20'6@C('73'.20'6A9'89D'73'.20'67A5=0'73'8"" 305.4"4.@* C79B6.'.20'?8547A6'37504B9'D04.406' <2760'<7562 4:';0=8C0'49'.4C0'49.57DA=0D'8C79B' .20'#7C896' ' 8:.0856'.7'28?0';009'790'73' .20'B508.06.'38?7A54.06'73'.28.'6A:056.4.47A6' :07:"0* 9'#7C0'4.60"3'620'28D'60?058"'.0C:"06' .20'=050C79406'49'<24=2' <28.0?05'C4B2.';0' .2045'C@6.4=' C08949B'508"'75':50.09D0D'.00C0D' <4.2'8;7C498.4796* 20'306.4?8"6'73'.246'B7DD066' <050'49D00D'67'350SA09."@'C85F0D';@'49D0=09=406

*

.28.' D0=5006' <050' : 8660D' 375' .2045' 8 ; 7"4.479' ; A.' .20@' <050' 86' 73.09' 50E06.8 ; "4620D'# 9' .20' @085' 73' #7C0' , , ' ABA6.A6' 89D' 9.79@' : 89D050D' .7' .20' D0 : 58?0D' 89D' D4667"A.0' .86.0' 73' .2045' 8B0' ; @' D0D4=8.49B' .7' 646' 8' .0C : "0' 49' .20' =09.50' 73' .20' =4.@' "4?09' 4 ; 054A6' 27<0?05' 37A9D' 4.' 900D3A"' .7' ="760' 4.#' A.' .20' : 5724 ; 4.479' 73' 205' <75624 :' <86' 97.' 73' "79B' DA58.479#' 7C4.489' 7CC7DA6' 89D' 858=8 8' ; 0=8C0' 205' : 5406.6#' 9D' 67C0' 73' .20' 0C : 506606' 850' 50 : 50609.0D' A9D05' .20' 34BA50' 73' 646* 1 9' 8' =749' 73' .20' ' 38C4"@' .0 D' ; @' 750"" ' M : #' [>' .8 ; #' 444*N' 646' 8 : : 0856' 6.89D49B' 620' 286' .20' 208D' 73' 8' "479' 7598C09.0D' <4.2' .20' $ ' 620' 46' ="7.20D' 49' .20' B@ : .489' 3862479' 89D' 27"D6' 49' 205' 54B2.' 289D' .20' 646.5AC '*89D' 205' "03.' 289D' 46' 49' .20' 8=.' 73' : 506649B' .20' 54B2.' ; 5086.#' 20' "0B09D' .7' .246' .@ 46' 486#' #' F ' 085' .20' 208D' 73' .246' 34BA50' 850' .20' "0..056' 7#' ' ' <24=2' 850' 49.05 : 50.0D' ; @' 67C0' .7' C089' 4 ' $ ' M ; @' 7.2056' 646' ; 049B =8""0D' .20' .A.0"85@' B094A6' 73' 354=8* 1 (0' 8"67' 600' .20' 34BA50' 73' .246' B7DD066' 79' =7496' 73' 7CG C7DA6' 89D' 858=8 8' <4.2' .20' 646.5AC' 89D' 64.A"8' M75' ; A=F0.N' 89D' 67C0.4C06' =85540D' ; @' 8' D7B* 1 00' 1 ' M

' # * 1 2060' <75D6' 496=54 ; 0D' 57A9D' .20' ; 085D"066' 208D' 73' KA"489' * ' 79' .245D' ; 5866' 73' .28.' 0C : 0575' 28?0' 5030509=0' .7' ' 86' : 57G .0=.5066' 73' .20' # '46"0.' 8.' "0I89D548# 89E' DA54' SA7.06' F M ' .7' 627<' .28.' 646' <86' .20' T' ' # ' 0 ' 1 ' N #06 : 0=.49B' .20' ' 89D' .20' ' 49' .20' 289D6' 73' 646' 05?4A6' 86' SA7.0D' ; @' =F20"' 68@6' T 646' 46' .20' B094A6' 73' B@ : .' <27' ; @' .20' C7?0C09.' 73' 205' ' <24=2' 620' =855406' 49' 205' 54B2.' 289D' 64B943406' .20' 8==066' 89D' 50=066' M75' .20' 54649B' 89D' 38""49BN' 73' .20' 0' 89D' ; @' .20' ' 75' ; A=F0.' <24=2' 620' 27"D6' 49' 205' "03.' 289D' 620' 627<6' .20' 34""49B' 73' 8"" ' .28.' 46' 73' 8 ' D4.=206' 89D' 3A557<6' 49.7' <24=2' .20' 6.8B989.' <8.05' 73' .20' 4"0' 46' 50=04?0D*UE4ME 00' # '

'89D' 058 : 46* 1 A6.6' 73' 646' 89D' 058 : 46' 38=0' .7' 38=0' ' 208D' 7598C09.0D' <4.2' .20' ' <4.2' .20' C7D4A6#' ' * 1 6 ' ' #' 646' 6A=F"49B' 7C6#' C8 ' ; 5866' 6.5A=F' A9D05' KA"489' .20' : 76.8.0*

'6A=F"49B' 7C6* 1 246' B@ : .489' B7DD066' 608.0D' 49' 8' =2845' ; 03750' 82' 8".85' <4.2' .20' "7.A6' 3"7<05' A : 79' 205' 208D' 49' 205' "8 :' 8' 98F0D' 49389.' <27C' 620' 46' 6A=F"49B' 89D' <27' 286' 8"67' 8' 3"7<05' A : 79' 246' 208D' 49' .20' 340"D' #

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85B0' ; 5866' 73' 9.7949A6' 4A6' 6.5A=F' 49' B@ : .* ,# # #"# "- 'F + '75'F + ' ' 6 m 1 9' 8' =749' 73' .20' 27548' 38C4"@' <0' 349D' .2060' 8 ; ; 50?48.4796' 8==7C : 8940D' <4.2' .20' 208D' 73' .20' 89A?49489' KA97' =7?05OD' <4.2' .20' B78.6F49' 89D' 0?09' .20' "0B' 89D' 2773' 73' .20' B78.' 850' 6009' ; 0"7<' .20' 90=F' 73' .20' ; A6.* 1 00' - # ' # # ' ' . ' 1 796A"# "0=.'375' .20' 60=79D' .4C0*

.8"@* 1 246' C76.' 97 ; "0' 89D' C76.' 49.0506.49B' 73' A57 : 089' =7A9.5406' <86' .2A6' =8 0D' 3.7C' .8"96' 89=409.' ' 49B' 73' .20' M 97.54896' 75' 86' 2A=@D4D06' 68@6' 73' .20' 4= 4896' : 50?47A6' .7' <24=2' 4.' ; 750' .20' A8C0' 73' ; + ' 357C' 06E' : 054A6' ; 57.205' 73' ."86' ' 49B' 73' 8A54.8948* 1 ' ' 89D' ' 850' 8"67' 98C06' 73' =05.849' : 85.6' 73' .20' 68C0' =0"0 ; 58.0D' 89D' ; 08A.43.D' 50B479' <24=2' 286' 375' 4.6' 98.A58"# ; 7A9D85406' .20' ": 6' 89D' .20' 0D4.05589089' 08# 0

* 1 3I' 305.4"4.@' 89.4 : 7<05' 7?05' .20' 506.' 73' .20' <75"D' 850' 0I : 50660D 1 .20' 790' ; @' .20' =7CA=7 : 400' 89D' .20' 0856' 73' =7C' .20' 7.205' ; @' .20' 6=0 : .50' 79' =7496' 73' 06 : 86489' 4.A6' 8D5489' =# 456.' ; 5866' C0.{846' 73' 9.7949A6' 4A6' 89D' 8"67' 73' 7CC7DA6' 50 : 50609.' I o ! ' A9D05' .20' 34BA50' 73' 8' C8.579"@' 30C8"0' M.20' "8..05' <4.2' 208D' .A94.0DN' 64..49B' 79' 8' B"7 ; 0' 89D' 27"D49B' .20' + ' 89D' +

1 ' <7C89' 6.89D49B' <4.2' 6 : 085' 49' 205' 54B2.' 89D' =7CA=7 : 40' 49' .20' "03.' 289D#' .' 46' .2A6' .28.' .8"@' 89D' 4.6' : 056794340D' B094A6' 850' 6.8C : 0D' 79' 64"?05' =7496' 73' 8D5489' <2760' 8554?8"' 49' .28.' =7A9.5@' 9 ' ?0"' ! o ! A' 46' 8"67' C85F0D' 79' 7.2056' 73' 246' C0D8"6* 1 ' <7C89' <4.2' =7CA=7 : 4.0' 27"D49B' 8' : 8.058' 79' 8' "4B2.0D' 8".85' 79' .20' 7.205' 64D0' 73' <24=2' 6.89D6' .20' 0C : 0575' ı' & ' ! o ! ' / 79' .20' B7"D' 64"?05' 89D' ; 5866' 73' 8D5489*

8D5489L6 3456.' =7C49B' .7' .8"@'46' D8.0D' 49' .20' @085'73' #7C0' , ' 89D' .246'8D?09.'<86'73.09'=7CG C0C758.0D' 73' 49D00D' 86' 20'50.A59 0D'.7' .20' =8:4.8"' 73' 246' 0C:450' 357C' 246' 8==A6.7C0D' :050E B:98.4796"' A.' 4.' 8"67' 8::0856'.28.' .20'C46.5066' 73' .20'<75"D'50=04?0D'C89@' ;09034.6'89D'0C;0""462E C09.6' 357C' 24C"' 0' 50C4..0D' 205' 346=8"' D0;.' 89' 49DA"B09=0'<24=2' B508."@' 0"40?0D' .8"@*1 9' 89' 49=50860D' 6:454.' 73' "4;058"4.@' 20' 50C4..0D' .7' 205' C7507?05' .20' ' ' M600' .20' <75D6N' 89D' 20'84 0A.0D'.20'3A9D6'<24=2' 58 89' 28D' D06.490D' 375'.20' C849.0989=0' M8"4C09.8N' 73'8' =05.849' 9AC;05' 73' .20' .8"489' @7A.2' 73' ;7.2' 60506"' 0' "4F0<460';750' 899A8"' 2797585@' 733=0' 49'.20' C8B46.58=@' 73' C89@' =4.406' 73' .8"@' .2A6' 06.8;"46249B' ;0@79D'.20' C050'="84C' 73'4C:0548"' :50D0=06675' # ' 3"8..05@' 246' :50.096479'.7' ;0' =8""0D' ! =!!' 2' 86' 20' 46' 6.@"0D' 79' 8' 3490' "85B0';5866' C0D8"' .20'50?0560'73'<24=2'0I24;4.6'.20'0C:0575']<27'6.89D49B'.584606'<4.2'246'289D'8'<7C89;09DG 49B'.20'F900'.7'24C'89D'27"D49B'.20'=7CA=7:480* ' 4 8.W"' *' *' %*' #*' ' # * 1 20' C:0575'49'.20'.7B8'<4.2' 6=0:.50'6A5C7A9A.0D';@'89'08B"0'49'246"'03.'289D' 6.89D6'27"D49B'7A.'246'54B2.'289D'.7'8'30C8"0' <08549B'8.A550.0D'=57<9'<27'F900"6';03750'24C' 8==7C:8940D';@*'60?058"'=24"D509'<27'27"D'A:' .2045'289D6'.7'T'.20';06.'73':549=06*U 1 9'60=79D' ;5866'73' 58 89* f' *' ' '<86'8'=4.@'73' 46:8948' 8.4=8'M 9D8G "A648N' 89D'8'#7C89' + ' 64.A8.0'79' .20' 54?05' 60.46'M&A8D8"SA4?05N/ 4.' 46' 97<' =8""0D'F ' '! 7'M "D' 0?4 0N"' 9'496=54:G .479'73'&5A.05L6'503056'.7'.246':"8=0'A9D05'.20'.4."0' 73' ' ' # *' V*' .' <86'49'.20'904B2;7A5277D'73' 46:8"46'.20'98.4?0' =7A9.5@'73' 58 89' 8D5489*' 89D' 207D764A6' 609475*1 9'.20'@085'?*=*' [' <209' =4:47' 354=89A6' 83.05';549B49B'.20'8338456'73'#7C0' <4.2'.20' 85.28B494896'49' :849'.7'8':8=434=' 60..0C09.'=79.0C:"8.0D'246'50.A59'.7'.8"@'20' 8 7=8.0D'8' .20' .8"489' 67"D4056' D468;"0D' ;@' <7A9D6' 89D' M8.4BA0' 49' 790'.7<9' <24=2' 357C' .2045'98.4?0'=7A9.5@' 20'=8""0D' ' 246'46 <28.' ++ ' 5' 6.8.06' 49' 246' * ' 8 + ' :* H* 1 20'47<9'28D'83.05G <85D6'.20'.4."0'73' + ';06.7<0D'A:79'4.' ;A.' 86'.20'9AC;05'73'4.6'=4.4\096';0=8C0'B508."@' D4C494620D';@'.20'<856'4.' 600C6'.7'28?0';009' 50E:07:"0D'<4.2'"0B47985@'?0.0589'6'09.'.24.205' ;@' ABA6.A6"' 09=0'4.6'=7496'D0D4=8.0D'.7'ABA6G .A6' 4?48' 5A6A6' 89D'&05C8094096';085'.20'49G 6=54:.479' " K*"75' *75' * * 1 .'2050'D0605?06'50C85F'.28.'.20':54?4"0B0' 73' =7498B0'B589.0D'.7'.20' :89462'CA94=4:4AC';@' AG BA6.A6'46'97.0D'79'8""'4.6'=7496';@'.20'8;;50?48.0D' <75D' *75'# * ' &' ! ' 20' 37""7<49B' 850' 8C79B'.20'.@:06' p'.246' #7C89' + :(1 *1 9' 8' 60=79D';5866'6.5A=F';@'.20' ' ' C0C75@' 73' ABA6.A6'M<2760' 58D48.0D'208D'8:;0856'79'4.6'7;?0560'<4.2'"0B09D' 73' 4??6' ?7?6 46' *N' 89' 8".85'46' 50:50G 609.0D'79'<24=2'46'.20'<75D'# ' ! ' 20'506.' 73'.20'"0B09D'46' 1 '! o'# ' & 1 0 + ' ' ' '# ' ' H' #' * * 3.05'.20'0I8C:"0' 73' C89@' =4.406' <27' 83.05' .20'8:7.207646' 73' ABA6.A6' ;A4".' .0C:"06'.7'246' 2797A5' .20' :07:"0' 73'.246' + ' :"8=0D' 79' .2045' =7496' 8' 50:50609.8.479' 73' .20'8".85' <24=2'.20@'050=.0D'.7'.20' 57?4D09=0' 73'.2045' ;09038=.75 1 8643'49'246'D04340D'=8 48=4.@'20'6.4"" '86' <24"6.'"4?49B'28:.:4"@'8DC4946.050D'.20'8338456'89D' <8.=20D'7?05'.20'49.0506.6'73'.20'#7C89'<75"D* ' 64C4"85'50?0560'8:;0856'79'8'60=79D';5866'73' .20'68C0'=7"79@' 6.5A=F'49'2797A5'73' 4;054A6' <4.2'.20' 67"0*D4330509=0' 73' .20*'<75D6'# .' ! ! ' !';049B'09B58?0D'79'.20'64D0' 496.08D'73'8.'.20'377.'73'.20'8".85*' 20' 57G ?4D09=0'<24=2'.20'=749'46'C089.'.7'=7CC0C758.0' 46' 49'.20'7:49479'73' 84""89.' ' .28.'73' 4;054A6';A.'73'246'4C:0548"' :50D0=06675' # ' 1<1 1'(22 1.2B' 8AB?6.' 8.205' <27C' ;@'.20' =050C7A@'73' ' #7C0' 28D' :"8=0D'8C79B'205'&7D6', i ' ' 27"D49B'49'205'54B2.'289D'8' :8.058' 49'205'"03.'.20'? ' 246'.@:0'8:;0856' 79'.20'50?0560'73'8'5850'89D'0"0B89.'=749'D0D4G =8.0D'.7'KA"48' M 4?48N' =8""0D' 49'.20'"0B09D' & *1 20'7;?0560':50609.6'8'30C8"0'208D' M.28.'73' 4?48'20560"3N'6A557A9D0D';@'.20'49E' 6=54K.479'73' 1 4'! o!" ' # ' & / ' 20'608.0D'30C8"0'34BA50'600C6'.7';0'.20'6.8.A0' 73' 4?48' <24=2'46'73.09'37A9D'50:50609.0D'79' =7496'6.5A=F';@'75D05'73'.20' 098.0'49'503056 09=0'.7'6.8.A06'58460D'.7'205'2797A5*1 20'=7"79@' 73'4.8208'C49D3A"'73'.20':54?4"0B06';06.7<0D' 79'.20C';@' ABA6.A6'89D'8C79B6.7.2056'.20' 54B2.'73'=7498B0':"8=0D'.20'6.8.A0'2050'D0:4=.0D' 49'.7F09'73'.2045'=79B58.A"8.479'.28.' 4?48'246' <430' ';009'8D7:.0D'49.7'.20'KA"48'38C4"@*(' 1 84 89.'4*'[,* 3', ' ' ' 8' 60=79D' ;5866'97.4=0D'86'D0B89.'89D'?05@'5850';@' 8D"89.' M*' a>N';0856'79'4.6'7;?0560'99?6?6'" ' !' 1<'('<4.2'.20';850'208D'73' 5A6A6"' 9D'79' 4.6'50?0560'8:;085'.20'0 ' ' '73'8' "0B479*1^20' AAC?454'<27'6.5A=F'.20'8;7?0' =749'49'2797A5'73' 5A6A6'7;?47A6"@' D064B90D' ;@'.246'.@:0'.7'49D4=8.0'.20'C4"4.85@' 7 5 4 ' 73' .20'CA94=4:4AC*1 2050'46'.20 8C0'50?0560'89D' .20'68C0'"0B09D'9 !"'! o!"'# ' 1& K' 79' 8' 60=79D';5866'73' &05C894=A6"' 2A6'.20' ?0.05896'73'.8"4=8':8@'8'=7C:"4C09.'.7'08=2'73' .20'.<7'@7A9B' 806856/ .7' 5A6A6' 49D00D' ;0=8A60'86'.20'679'73' 4;054A6';@' 98.A58"' 54B2.' 20'6.77D'8:;8509.'C45'.7'.20'0C:450' 89D'.7'&05C894=A6';0=8A60';049B'8D7:.0D';@' 4;054A6'8.'.20'D0645D'73' ABA6.A6' 20';0=8C0' .20'8667=48.0'73' 5A6A6*(' * 2050'850':40=06'<24=2'79'790'64D0'2085'.20' 98C0'73' '89D'79'.20'7.205'.28.'73'*) ' 246'=45=AC6.89=0'46'97.4=0D'49' 95D7A49L6 :05" 0"0=*1 " 09949'8"67' C09.4796'4.'49'.20' 97C09="8.950'73'246' 89A0"' 86'49D4=8.49B'.28.' 89'8""489=0'6A;646.0D';0.<009'.20'.<7'=4.406* ' 8' 38C4"@' 73' A9F97<9' 589F' 4.6' D09854" 73'8'649B"0'.@:0'5850'2A.'D0?74D'73';7.2'9AC46G C8.4=' 89D'246.754=8"' 49.0506.*' (49B0D'208D'73' 4905?8/ +*1 F ' * ' 20' 476=A54' 79' 27560;8=F*1 9'.20'0I05BA0' ' ; ' 8D5489L6'.58?0"6*1 00' #86=20*' 4"*1 , , *

K+KHN *

D8""@' 83.0.' . . 0' .8F49B' 73' K05A68"094' ; @' 4.A6 ' 49' .20' . '@085' 73' .20' 2546.489' 058*

' *1 9' 897.205' 3456.' ; 5866' 73' 06:86489' 8' 30C8"0' 64.6' <00:49B' ; 064D0' 8' 8' :8"C ' ="760' .7' <24=2' .5B0' 8' C89' 6.89D6' <4.2' 246' 289D6' .40D' ; 0249D' 24C* 1 8?05=8C :' B4?06' 8' 3456.' ; 5866' 73' 4.A6 ' <4.2' 8' 6"4B2.' ?8548.479' 49' .20' B57A : 49B' 73' .20' 34BA506 ' 89D' <4.2' '20"C0.' 89D' ; A=F"05' 79' .20' B57A9D' ; 03750' .20' =8 : .4?0* 1 ' 20' "0B09D' 73' .246' "490' C0D8"' 46' 496=54 ; 0D' ' ' =' 49' .20' 340"D*

' *1 ""446' "0B09D' 46' 508D' 79' =7496' 73' 06:86489' 89D' 4.A6' 20' .@:0' 46' 8' <7C89' 6.89D49B' 49' 8' 675E' '57<3A" : 76.A50' A9D05' 8' :8"C' 3.500* 1 47990.' 89D' F05E' C89' B4?0' 018C : "06' 73' .246' 49' 8"" .20' .2500' C0.8"6*

' ' 57:2@* 1 9' B7"D' =7496' 73

"46=4*L ' & ' * ' ' 8"C' 500z 1 456.' ; 5866' 73' 05?8*

20' .@:0' 73' .246' 246.754=8""@' 9.0506.49B' 50G ?0560' 46' 86' <0"" 79' 89=409.' K0<462' 86' 79' #7C89' =7496' 6@C ; 7"4=8"' 73' KAD808' .20' :8"C' ; 049B' H >

K * a,

49D4B097A6' .7' .20' =7A9.5@* 1 .' 46' 09B58?0D' 49' F05C89L6' . ' ' ':' 49' 8?05=8:L6' ') ' ' ' :' 49' ' 7" ; L6' =' , =0

9' 0I : "898.479' 73' .20' A94SA0' 89D' ?05@' 50G C85F8 ; "0' "0B09D' 8..8=20D' .7' .246' 50?0560 ' .20' 7 ; 6057?8.4796' C8D0' ; @ .20' 8A.275' 73' . ' 850' 2050.7' 6A ; 7490D' 86' <75.2@' 73' .20' =749L6' 246.754=8"' 49.0506.' 89D' 73' 246' 7<9' "08590D' 68B8=4.@/ 1 57C' .20' 085"406.' : 0547D' 73' .20' K0<462' 7CC79<08".2' .20' K0<6' <050' 09 7490D' .7' : 8@' .20' 28"3' 73' 8' $ ' 75' .<7' D58=2C80' 375' .20' 605?4=0' 73' .20' 8".85' 86' C8@' ; 0' 6009' 357C' .20' 77F' 73' I7DA6' M=2' III' , >' , H*N' 246' C790@' 49' 83.05' .4C06' <09.' .7<85D6' .20' 0 I E* : 09606' 73' .20' 0C : "0' ; 049B' =7""0=.0D' 97.' 79"@' 357C' .20' 4928 ; 4.89.6' 73' KADC8' 2A.' 357C' 8"" K0<6' 49' <28.0?05' : 85.' 73' .20' <75"D' 5064D49B' 89D' .246' : 54?8.0' 6@6.0C' 73' .818.479' <86' 67C0.4C06' : 5724 ; 4.0D' *; @' .20' #7C896' 73' <24=2' ' 28?0' B4?09' 496.89=06' A9D05' .20' =7496' 73' 06:86489' M:' H> N' 89D' 67C0.4C06' 689=.4790D' ; @' 89' 0D4=.' 89' 018C : "0' 73' <24=2' 466A0D' 49' .20' 98C0' 73' ABA6.A6' 286' ; 009' B4?09' ; @' 24"7' KADmA6' k ' = ' ' ' ' : ' [a>N' 89D' 60?058" ; @' K760 : 2A6' k 0' I?4' =' *N' 20' 68C0' 24"7' 350SA09."@' .257AB27A.' 246' .508.460' =8""6' .246' C790@' + ' $ $ ' " ' $$ %:' 89D' =7960SA09."@' 4.' <86' 73' .20' 68C0' 98.A50' 86' .2760' B43.6' <24=2' =7"79406' <050' 375C05"@' 49' .20' 28 ; 4.' 73' : 50609.49B' 0?05@' @085' .7' .2045' C7.205E=7A9.5406' .7' 6A : : 75.' .20' <75624 : "W3' .20' 98.4798" DO4.406' A6.' 86' 7"@ ; 4A6' 286' 8 : : "40D' .20' .05C' = + N/ .7' .20' =79.54 ; A.479' <24=2' .20' 85.28B49489'6' A60D' .7' 609D' .7' .2045' C7.205E' 074C.5@' @50" 7<' 4.' 46' =05.849' .28.' .20' 7"@' 4.@' <86' 50B85D0D' ; @' .20' K0<6' 73' 0?05@' ="4C0' 86' .2045' C7.205E=7A9.5@' A.' . 40' $'$ ' 8""AD0D' .7' 8 ; 7?0' <86' .20' <0 EF97<9' D4D58=2C' <24=2' 7A5'? 8?47A5' : 84D' 375' 24C60"3' 89D' K?0.05' <4.2' .20' ' C458=A"7A6"@' 37A9D' 49' .20' C7A.2' 73' .20' 3462' 86' 50=75D0D' 49' .20' &S6 : 0" 73' .' 8..20<' M=2' I?44*E> *N' (209' K. : 468"0C' 89D' 4.6' 0C : "0' <050' 7?05.257<9' ; @' 06:86489' 49' .20' @085' ?*=' >H' 9 . ' aN' .20' K0<6' <2050670?05' 5064D49B' <050' 75D050D' .7' =79.49A0' .20' : 8@C09.' 73' .246' D4D58=2C E' 97.' 27<0?05' .7' ; 0' 8 : : "40D' .7' .2045' 7<9' 50"4B47A6' A606' ; A.' .7' .20' <75624 : ' 73' KA : 4.05' 8 : 4.7"49A6' 86' 46' 0I : 5066"@' 6.8.0D' ; @' K760 : 2A6' " ' * ' - 'E? =' ' K' N' 89D' 47' M I?4' d' *N 1 A0.794A6' 50"8.06' " . '0' , >N' .28.' 7C4.48A' T 54B757A6"@' 018=.0D' .20' K0<462' .81' A9D05' <24=2' <050' =285B0D' 8"" ' <27' 04.205' ="89D06.490"@' #?0D' 83.05' .20' K0<462' 3862479' <43"449' .20' <8""6' 73' #7C0' 75' <27 ' =79=08"49B' .2045' 754B49 ' 28D' 0?8D0D' .20' : 8@C09.' 73' .20' .54 ; A.0' 4C : 760D' A : 79' .2045' 98.479*U 1 : 89204C' <27' 286' : 57?0D' 246' "0859498' 89D' 0"7SA09=0' 49' 246' 01 : "898.479' 73' .246' =749' M?7"' 44' :' [N' 85BA06' 357C' .20' .05C6' 73' .20' "0B09D' 4.60"3' .28.' 4.' <86' 97.' 49.09D0D' .7' =79?0@' .20' 97.479' .28.' .20' K0<462' .81' 75' D4D58=2C' 86' C89@' 28?0' 6A : G : 760D' <86' 8 ; 7"4620D' ; @' 09E8' ; A.' 64C : "@' .28.' .20' ' " 3 ' $'$ ' ' % <86' D790' 8<8@") C %':' .28.' 46' .7' 68@' 010C : .479' 357C' .20' .81' 49' SA06.479' <86' .209=0375.2' 60=A50D' .7' 8"" <27' D4D' 97.' 8DC4.' .20C60"?06' .7' ; 0' K0<6

a K * *' K *

733050D' 246' 7<9' :54=0' 375' .20' 0C:450* 1 KA"489 ' 27<0?05 ' C8D0' .20' C76.' "4 ; 058"# 733056 ' 6=8"49B' "8DD056' <050' "0.' D7? ' 357C' .20' <8""6 ' 89D' 20' <86' 50=04?0D' 49.7' .20' =8C : ' 8=F97<"0DB0D' C : 0575 ' 89D ' 06=75.0D' ;@' 8' BA85D' 73' 5.0.754896 ' <86' =79DA=.0D' .7' .20' 098.0E27A60"# A.' .20' :07 : "0 ' 4554.8.0D' 97' "066' ;@' .20' A9D0605?0D' 38.0*73' 05E' .498I ' .289' ;@' .20' 50=09.' D46B58=73A"# 68"0' 73' .20' 0C : 450 ' 8..8=F0D' .20' 90<"@E=508.0D' C : 0575' 3456.' <4.2' 8 ; A60 ' 89D' .209' <4.2' 8' 627<05' 73' 6.7906 ' 975' <7A"D' .20@' ;0' 68.46340D' <4.27A.' D0C89D49B' 86' .2045' C : 0575 ' 06=0994A6' 4B05 ' .20' 90<"@' 8 : : 749.0D' &7?05975*73' @548"# 9' "0859498' .246' : 764.479' 73' 8338456 ' 06=0994A6' 8""7<0D' 24C60"3' .7'E;0' D0="850D' C : 0575' ;@' 246' 35409D6 ' ; A.' 90B"0=.49B' .7' 37""7<' A :' 246' 8DG ?89.8B0 ' 0?05A6 ' .20' 56030=.' 73' 8C479.48 ' 49' 7 ; 0D409=0' .7' .20' <462' 73' 8' : 85.@ ' : A.' 49' 246' ="84C' .7' .20' 2797A56' 3 .20' 67?0504B9.@ ' 89D' .8F49B' 8""# 246' C086A506 ' C8D0' ' 286.@' 7A590@' .7' .8"@"# M =F2D ' ?44# , ' . ' - *N 1 9.0""4B09=0' 73' .246' C7?0C09.' ; 049B' 50=04?0D' 8.' 7590 ' KA"489A6' B8?0' 75D056' .28.' 0?05A '627A"D' ; 0' D0="850D' ;@' .20' 098.0' 86' .20' 090C@' 73' 246' =7A9.5@ ' ; A.' 20' 37AAD?.20' 85C@' "066' :30 : 850D' .289' 20' 0I : 0="0D' .7' 8=.' 79' .20' D0E' 30964?05 8AD49'8' 6.8.0' 73' D468330=.479 ' : 85."@ ' ;0=8A60' 20' <86' D4"8.75@ '49' .20' "4SA4D8.479' 73' .20' 6AC' 20' 28D' 8B500D' A : 79' 49' .20' : A5=2860' 73' .20' 0C : 450 ' 89D' : 85."@ ' ;0=8A60 ' 357C' ; 049B' "79B' 28 ; 4.A8.0D' .7' 6"7.2' 89D' 498=.4?4.@ ' .20@' <89.0D' .20' =7A58B0' 7' 07 : 0' <4.2' .20' 285D@' 67"D4056' 73' 0?05A6* 1 0?05A6' : 408A<24"0' .2508.0949B' .20' =4.@ ' KA"489' 46' D54?09' .7' 8D7 : .' C4"D05 = 7A960"6 ' 89D' 49DA=06' .20' 098.0' .7' 8""7<' 24C' 8' : 85.4=4 : 8.479' 49' .20' 67?0504B9.@ ' 2A.' 8' A94?0568"# .A59' 73' 300"49B' 49' 38?74AE' 73' 0?05A6' 28?49B' .8F09' : "8=0 ' 20' 46' D0605.0D' ;@' 8""' 89D' : A.' .7' D08.2"# 46' ;7D@' <86' 506.750D' ;@' 0?05A6' .7' 246' <430' =89.4 8' 375' ; A548"' 89D' D0 : 764.0D' 49' .20' .7C ;' 73' 246' B508.EB589D38.205' 79' .20' 48' 8?4=898* 1 ==75D49B' .7' 47' 20' "4?0D' 641.@' @0856 ' 37A5' C79.26 ' 89D' 37A5' D8@6' 89D' 504B90D' 641.@E64I' D8@6"# .' 46' B0905B""@' 8DC4..0D' .28.' 20' <86' 8' D46.49B94620D' "8<@05"# : 85.489' 6 : 08F6' 73' 246' 0=797C4=8"# 28 ; 4.6 ' 246' B09."0' C899056 V'89D' 7.205' ?45.A06 ' ; A.' 47' 246' =79.0C : 7585@ ' 89D' 8"67' 057D489' 86605.' .28.' 246' ?4=06' <050' 9AC057A6* 1 =F2D ' ?44# , * - ; ' M "8?496' "8AD4A6N ' A6A8""@' =8""0D' - ' ' + ' ;0=8A60' 20' 8.' 89' 085"@' ?8B0 ' 8 ; 89D790D' .20' 2546.489' 384.2 ' 89D ' 86' 6779' 86' 20' 28D' .20' : 7<05 ' 506.750D' .20' <75624:' 73' 4D7"6 ' <24=2' 20' : 50.09D0D' .7' 50G 375C ' ; A.' <24=2' 20' 49' 38=.' 09375=0D' 49' 8""# .20O ;4B7.0D' 0I.58?8B89=0' 89D' ;"49D' 8 ; 6A5D4.@' 73' 8B89' 6A : 056.4.479"# 0' <86' .20' 679' 73' KA"4A6' 796.89.4A8 ' 90 : 20<' 73' 796.89.490' 20' &508.' 89D' ; 57.205' 73' 796.89.496' &8""A6 ' ; 7C' 8.' 79G 6.89.497 : "0' * # HH , # 0' <86' =508.0D' 80685

* N# [[' 89D' C85540D' 0"098 ' 646.05' 73' 79G 6.89.496' *' 20' B7?059C09.' 73' &8A" ' : 849 ' 89D' 54.849' <86' =7CC4..0D' .7' 246' =285B0# 0' 50 : A"60D' .20E' &05C8A6' 357C' &8A" ' 834D' 06.8G ;"4620D' 24C60"3' 8.' '97<' 6A546 ' V49' H[# 57="84C0D' C : 0575 ' ;@' .20' .577 : 6' 49' H ' .20' D08.2' 73' 7A6.89.4A6' 6779' 83.05' "03.' 24C' 67"0' C86.05' 73' .20' 0C : 450* 1 KA"489' <86' 8' B508.' B09058"# ! 1 8' C89' 73' "085949B 1 8' 3490' <54.05 1 : 76606649B' C89@' SA8"4.406' 73' 8' <460 ' 0905B0.4=' 89D' 0I=0""09.' : 549=0 ' ; A.' 49' C8..058' 73' 50"4B479' 790' 73' .20' <08F06.' C76.' 389.86.4=' 89D' 9A6=240?7A6' 73' C89F49D# 246' D0="850D' 89D' 49?0.058.0' 090C@' 73' 2546.4894.@' C8D0' <85' A : 79' 05648 ' <4.2' D0=4D0D' 6A==066 ' ; A.' <86' 6"849' 490' 89' 09B8B0G C09.' 79' .20' ;89F6' 73' .20' 4B546 ' 8.' .20' 8B0' 73' .245.@E790 ' EIYU ' 49' .20?37A5.2' @085' 73' 24"' 504B9# 46' 60=79D' 89D' .245D') ' =7496' 850 ' <4.2' =05.849' 0I=0 : .4796 ' =7CC79 ' 246' 64"?05' 73' .20' A6A8"# 64\0 ' 850' ;@' 97' C0896' 6=85=0 ' ; A.' 246' ' 850' 5850* 1 9' .2060' 20' 46' 6.@"0D' # * ' # *EEE # # # K H # 75' * # %#

T 20' 4C6856U' 73' KA"489 ' 8' <75F' <24=2' .28.' C : 0575' <57.0' 49' &500F ' 46' 8' 50C85F8 ; "0' : 5773' 97' "066' 73' 246' 6=27" ; 6624 :' .289' 73' 246' .8"09.' 375' 584""05@' 89D' 68.450"# 20' .5896"8.479' 73' .28.' 0I.5875D4985@' : 57DA=.479' ; @' , M ' F+ ' 4""A6.58.0D' ;@' .20' C76.' "08590D' 50G C85F6' C@.27"7B4=8"' 246.754=8"' 89D' 9AC46E' C8.4=8"' 0954=20D' ;@' 8' : 573A6479' : 3' C0D8"6' 89D' 7.205' 89=409.' C79AC09.6' 46' 790' 73' .20' C76.' 49.0506.49B' 86' <0"# 86' 496.5A=.4?0' ?7"AC06' <24=2' =89' ; 0' : 05A60D' ;@' .20' 6.AD09.' 73' .20' C0D8 4= 6=409=0*

KA"489' 46' 97.0D' ;@' ' 246' : 8B89' 8DC4505 ' ; A.' ;@' 97' C0896' : D46=54C498.0' : 890G B@546. # 375' 28?49B C8D0' 24C60"3' ?05@' =79G 6 : 4=A7A6' 49' <08549B' 8' "79B' 89D' ; A62@' ; 085D' <24=2' 8C79B6.' E.20' =7A5.4056' 73' 796.8A.4A6' : 57=A50D' 375' 24C' .20' D05464?0' 6 : 7"48.479' 73' 8' B78.' " + ' ' %' 9' =79345C8.479' 73' .246V8 0B0D' : 0=A"4854.@' <0' 349D' 24C' 79' C89@' 73' 246' =7496' T' ; 085D0D' "4F0' 8' : 85D' 86' 60685' 20' 8 : : 0856' <4.2' 98F0D' 208D ' ; A.' 86' C : 0575' 20' <0856' 8' D48D0C' 7598C09.0D' <4.2' :50=47A6' 6.7906*

9D05' .20' 504B9' 73' KA"489' =7496' <050' 6.5A=F ' <24=2' 89DA54' 0I24 ; 4.6 ' 89D' <24=2' =F2D' =7CC09.6' A : 79 ' 496=54 ; 0D' ' $ #! ! ' 600' .20' <75D6N ' 89D' ' # $0!" ' 620<49B' .28.' .246' : 24"767 : 24=' =79.0C905' 73' 20' 2546.489' C@6.05406' <86' 97.' 8628C0D' .7' 6.8C : ' 246' 4CG : 0548"# =7498B0' <4.2' 50 : 50609.8.4796' 73' 058 : 46 ' 646 ' 89D' 99 ; 46 ' 89D' .7' 50?4?0' .20' C796.57A6' B@ : .489' 4D7"8.5@* - ' " ' %' 89' A6A5 : 05' 73' .20' 4C : 0548"# : A5 : "0' 8.' .20' : 0547D' 73' 4A90E' 548996L6' D08.2 ' 357C' <24=2' .4C0' 9 ' > N 8A97948' 8=F97<"0DB0D' 246' ="84C' 89D' 6A ; C4..0D' .7' 246# B7?059C09.' A9.4"# D0308.0D' 89D' 6"849' 49' 8' ; 8.."0' <4.2' 8549A6' 9085' 0I798 049' .20' 37"G "7<49B' @085* 1 2050' 850' B7"D' 89D' ; 5866' =7496' 73' .246' T .@589. UV 2 ' 73' 0I.50C0' 5854.@ ' 89D' 79' <24=2' 20' 46' 6.@"0D' ! #' " ? ' $' ! 0! # # &'

* - 5' " ' %' 68 * 1 00' 8496' KA"4A6' 60685*

a K ' # # +*

.0=.5066'75' :50605?05 ' 46'897..05'69C8C0'B4?09'79' C0D8"6'73'.20' '.7' .20' B508.' %A009' 73' .20' &7DD06606# 05' 34BA50' *79' 3' 3'89D' 3' ^73' KA"48' 8C r8 ' .8E' '=4"48' 0?058 '89D 8"79498 ? 46'.28.'73'8'30C8"0'6.7"8.0D' 89D' ?04"0D '0 27"D49B' 8' :8.058' 89D' .20' 286.8' :A58 ' 89D' B09058""@' <4.20' 8' :0807=F' 8.' 205' 300.*

- ' '75' <4.2' .20' .4."0' 49' 3A"" ' - ' F + 83' 75' F + ' c$ ' 6 ' 86' 4.' 46' 0I :50660D' 79' D09854' 73' 2754A6' 8";A6' ' 600'.20' 494.48"# "0..056'! * ' :# ' 73'.246' 40.*1 20' B7DD066' ;08549B' .246' 6A598C0' 46' 37A9D' 79' .20' 64"?05' =7496' 73' .2760' #7C89' 38C4"406' <27' D50<' .2045' 7 B49' 357C' .20' .7<9' 75' + ' 73' 89A?4f8 # .7' <24=2' .20' 7CA34=44 ' .20' 0..44 ' .20' 8:44 ' .2 0' 57=4""44 ' .20' #76=44 ' 89D' .20' 2754# ;0"79B0D# 05'8:.08589=0' 79'.2060' =7496' 9085"@' =7=5064C9D6' <4.2' .20' D06=54:.479' B4?09' ;@' 4=057 ' 49' "4;# 4# ' ' * '=8:# >H ' ?4*' ' + ' + ' ' ' 8 ' ' ' ' =+ ' W62D06' .A590D' A:' 8.' .20' :749.6N ' .7' <24=2' 4.' 79"@' 50C8496' .7' ;0' 8DD0D' .28.' 205' 208D' 46' =7?050D' <4.2' 8' B78.L6' 6F49' 86' 05=A"06L6' 208D' 46' <4.2' .28.' 73' '"479' 28?49B' C7507?05' .<7' 27596' 89D' 205' 09.450' ?06.C09.' 46' =7C:760D' 73' .246' 6F49' <4.2' .20' 3.45' 7A.<85D6# 9' 8' D09854A6' 73' .20' ' 7 ' 38C4"@' 46' 89' 08B"0' 79' .20' .7 :' 73' 205' 6240"D' M:57;8;"@' 49.09D0D' 375' 8' "0B47985@' 790N ' 8.' 7.205' .4C06' 620' 46' D0:4=.A50D' 49' 8' ;4B8' 86' 79' 67C 'C0D8"6' 73' .20' ' 89D' # ' 38C4"406' 8 eB508.' 605:09.' :50=0D49B' 205' 89D' 49' .20' 8=.' 73' 584642B' 4.60"3# 9' 8' D09854A6' 73' .20' ' 38C4"@' <0' 600' 7::764.0' .7' .20' 605:09.' 8' <7C89' 7330549B' 377D' .7' 4.' .20' C08949B' 73' <24=2' C8@' ;0' "0859.' 49' "489A6' 89D' 57:05.4A6# 4=057' .08=206' A6' 49' 246' 58.479' + ' c ' 49' <28.' 24B2' 06.4C8G .479' .246' B7DD066' <86' <4.2' .20' #7C896' .7' <24=2' C8@' ;0' 7490D' .20' .06.4C79@' 73' 4?@' <27' 68@6' .28.' 620' <86' <75624::0D' " 7 ' % <4.2' 68=5434=06' 73' .20' 24B206.' 75D05' 620<49B' .28.' .20' #7C896' B589.0D' .7' .20' 89A?4896' .20' 54B2.' 73' =4.4\09624:' 79' =79D4.479' .28.' .20@' .20C60"? ' M.28' :07 0' 73' #7C0N' 627A"D' 28?0' 8' 62850' 49' .20' 0C:"0' 89D' 49' .20' 68=50D' B57?0' 73' .20' &7DD066** 9' .20' C:0548# 605406' - ' ' 75' F + ' 46' 60"D7C' .7' ;0' 6009# 0D47;85;8' 27<0?05' 97.06' .<7' C0D8"6' 73' 9.7949A6' 4A6' 9 ', N' 89D5790' 73' 7CC7DA6' 9 ', N' <4.2' .20' 496=54:.479' 5? 4 #! $'/ 83.05' <24=2' :0547D' 4.' 8B849' D468:.0856*1 00' - ' F + ' ! - ' '<86' A9D05' .246' 98C0' 86' 286' ;009' 8"508D@' 7;605?0D' .28.' KA97' :5064D0D' 7?05' :85.A54.479' ' 89D' 8==75D49B"@' 79' C0D8"6' 73' .2760' C:506606' <2;' 04.205' 28D' ;.7AB2.' 375.2' 8# =24"D' 75' <27' 28D' 49?7F0D' .20' 84D' 73' .20' B7DD066' 4A?.2045' 8::578=249B' '<0' 600' 205' 50:50609.0D' 608.0D' 27"D49B' 89' 49389.' 89D' 8' 3"7<05# 9' =7496' 73' 8A6.498' <430' 73' # A50"4A6' 620' 8::0856' <4.2' .<7' =24"D509' 9085 K ' *

205*1 205' 850' 67C0' <54.056' 49D00D' <27' .249F' % 5- ' '.7' ;0' .20' 68C0' 86* :' 89D' <4.2' ' 790' D04.@* ' * 20' &7DD066' 64.6' <4.2' 8' 3"7<05' 49' 205' 0I.09D0D' 54B2.' 289D' 49' 205' "03.' 89' 49389.' 49' 6<8.249B' ;89D6*1 4"?05' 89D' ;5866' =7496' 73' A=4""8' <4.2' .20' 8;7?0' "0B09D' 89D' .@:0' :50609.' .28.' .A.0"85@' B7DD066' :5064D49B' 7?05' =24"DE;45.2' <27C' .20' &500F6' =8""0D' 3' 89D' .20' #7C896' D097C498.0D' - ' 1 .' 46' 49' 5030509=0E' .7' .20' =A6.7C' 73' :85.A5409.' <7C09' .7' 8DD5066' .2045' :58@056' .7' .7' 205' .28.' 0509=0' 49' 246' 9D548' :A.6' .2060' <75D6' 49.7' .20' C7A.2' 73' &4@=054AC'/1 - ' '$ ' + ' ' ' ') ' 75' .246' 508679' .20503750' 620' 27"D6' 8' =24"D' 49' 205' "03.' 289D' <24"6.' 205' 54B2.' 46' 0I.09D0D' <4.2' 8' <05' 49' 4.' ;0=8A60' .246' 46' .20' 6@C;7" 73' 27:0' 89D' 620' D0"4B2.6' 49' 27 N49B' <0"" 73' .20' 6830.@' 89D' B57<.2' 73' .20' =24"D' 75*58.205' 68@6' =F20"' 620' 20560"3' D46:"8@6' 205' 8..54;A.0' C894306."@' 86' 49D4=8.0D' ;@' ?4D# 9' .20' 6:0=4@ C09' 2050' 60"0=.0D' 357C' .20' 3456.' ;5866' 73' A=4""8' .20' 54B2.' 289D' 46' 0I.09D0D' 0C:.@*

- '<86'=8""0D' $ M 1 00'4#* # # * ' # *1- ' c ' 75' .20' <85"4F0' KA97' 46' 6009' 608"0D' <4.2' B"7;0' 49' "03.' 289D' 89D' =7C' 0856' 49' 54B2.# 20' 46' 8"67' 608.0D' 49' 8' 57A9D' .0C:"0' <4.2' 8' 6240"D' 75

^ 85B0';5866' 73' 7"A6489*Q' 7.205' 8..54;A.06' 079' 64"?03' 89D' 3456.' ;5866' =7496' 73' 50;7A489A6' &8""A6' 89D' 8"67' 73' 7"AE' 6489A6' ;@' .20' "8..05' 73# <27C' .20' "0B09D' 89D' .@:0' 8:.085' .7' 28?0' ;009' 506.750D# 20' "0B09D' 754B498.0D' <4.2' 50;79489' 89D' <86' 6.5A=F' 8;7A.' .20' :0547D' <2' 8' D508D34D' :06.4"09=0' 0I=4.0D' .20' .209' 504B949B' :549=06' 73' .20' 0C:450' .7' T' <085@U' 8"" .20' B7D6' 73' 0?05@' 98C0' 49' "@C:A6' <4.2' ?4=.4C6' 89D' <4.2' :58@056# KA97' C4B2.' 8::085' 8.' .28.' A9=.A50' 8' DO4.@' <2760' 84D' 7AB2.' .7' ;0' :57:4.48.0D' ;0=8Z460*

K K ' # & *

8==75D49B' .7' A @' T 20' 845' <24=2' 3"78.6 ;0.<009' .20' 6F406' 89D' .20' 7=089'46'=7960=58.0D' .7' .20' 98C0' 73' KA97' 89D' 4.' <86' .246' 50B479' M75 0"0C09.M <24=2' 28?49B' =79.58=.0D' 67C0' .849. ' ;57AB2.' D06.5A=.479' 79' C09*U' 9D' .20' 68C0' 82.275' 68@6' 6275."@' 83.05<85D6 1 T' A.' ' ;0"40?0' .20' 98C0' - ' .7' 20' D054?0D' ' 7 ' 357C' 509D0549B' 84D*U

T' A.' <2@' - ' 46' 49' .246' 496.89=0' =8""0D' ' ' 28?0' 97.' M68@6' =F20"M' ;009' 86' @0.' 8;"0' 68.4638=.754"@' .7' 86=05.849*U' 0.' ;@' .28.' .4."0' .20' B7DD066' <86' =7CC0C758.0D' 97.' 79'@' 79' C0D8"6' 2A.' 49' 8' .0C:"0' 050=.0D' .7' 205' 2797A5' 86' 'KA97'49'.20'#7C89' 75AC*

- ' 1 ==75D49B' .7' A4D86' KA97' <86' 6A598C0D' ' 2@' .20' #7C896' ' ;0=8A60' .246' B7DD066' 46' 684D' .7' 28?0' =74C60""0D' .28.' 3' '89D' + ':07:"0' .7' A9D05.8F0' 9790' ;A.' A6.'<856':57C4649B' .20C' .28.' 49' .28.' =860' .20@' 627A"D' 90?05' <89.' 375' C790@# ' :50..@' 6.75@' ;A.'4.' <7A"D' ;0' CA=2' C750' .7' .20' :A5:760' .7' 6A:.:760' .28.' 620' <86' 2797A50D' <4.2' .496' =7B97C09' 86' D097.49B' 205' :5064D06=@' 7?05' .20' 8 ' ' <24=2' <86' 06.8;"4620D'49' .20' :50=49=.6' 73' .20' .0C:"0*

20' M6A:.:760DN' 03"4B@' 73' KA97' <4.2' .20' .4."0' 73' ' 8:.:0856' 79' 8' D09854A6' 73' .20' ' ' 38C4"@' .20' 50?0560' 73' .20' =749' 0I24;4.6' 8' 28CC05' 8' :845' 73' .79B6' 89D' 89' 89?4"' 8;7?0' <24=2' 46' .20' ;7990.' 73' A"=89' <4.2' .20' =45=AC6=54:.479' 73' # '4657?6' 89D' 79' 67C0' =7496' ' .20' <27"0' 6A5C7A9.0D' ;@' 8' "8A50"*1 00' ' 1

- '96 1 246' 6A598C0' 73' & ! ' <86' B4?09' .7' ' ;0=8A60' 620' <86' .20' <430' 73' KA:4.05' <27' <86' .20' '49B' 73' &7D6' 89D' 09# 20'.@:0'<24=2' 9058""@'8==7C:89406'.246'"0B09D' 79' =7496' 73' .20' C:0548"# 605406' 46' .28.' 73' 8' <7C89'6.89D49B'75'64..49B'?04"0D'<27'27"D6'49'.20' 54B2.' 289D' 8' :8.058' 89D' 49' .20' "03.' 8' 286.8' :A56' 75' 58.205' :0528:6' 8' 6=0:.50' 89D' 350SA09."@' 8.' 205' 64D0' .20' :08=7=F' 8' (D' =7960=58.0D' .7' 205' 04.205' ;0=8A60' 4.' 46' 67' ;08A.43.D' 49' :"AC4 0' 75' ;0=8A60' 8"# .20' =7"7A56' 49' 4.6' .84"# 850' =7C:858;"0' .7' .20' 5849;7<' 75' 546' <27' <86' .20' C06669B05 73' KA97' 86' 05=A5@' <86 73' KA:4.05

K ' # a '

8' 38?7A54.0' :8.5790666' 73' .20' C:506606' 89D' .2A6' 620'8::0856' 79'=7496'73' 8;498' 4A=4""8' 8A6.498' A9475' 89"48' =89.4 8' 780C486' .5A6= "8' 7590"48' A:058' 89D' 7.2046# (4.2' 67C0' 73' .20' ABA6.60' .20' 496=54:.479' M49' .20' D8.4?0' =860N' <86' 64C:"@' 8' D0D4=8.479' 73' .20' C0D8"# .7' .20' 2797A5' 73' .20' B7DD066' <4.2' 7.2056' 4.' <86' 8' :764.4?0' 8::57:548.479' 73' .20' 98C0' 49' 3"8..05@' .7' .20' C:0575L6' <430' <27' <86' 20560"3' 49' 8' =79=08"0D' C84C05' 50:50609.0D' A9D05' .20' 34BA50' 73' KA97*

- 'F + '75'8==75D49B'.7' .20'C750'89=409.' C7D0' 73' <54.49B'4.' 46:4.8' KA97' .20' :50605?05' 8"67' =8""0D' M600' 8;7?0N' ;0=8A60' 620' 28D' 8' .0C:"0' 89D' 6.8.A0"8.' ' 9' 8' =749' 73' .20' # '38C4"@' 620' 286' 79' 205' .A94=' 8' B78.E6F49' <24=2' 8"67' 605?06' 86' .20' =7?0549B' 73' 205' 208D# 20' :749.6' 73' 205' 62706' 850' .A590D' A:' 83.05' 8' 3862479' <24=2' <86' 5090<0D' 49' .20' .<0".2' =09.A5@' 73' .20' 2546.489' 058# 20' 46' 85C0D' <4.2' 8' ;A=F"05' 89D' 8' "89=0' .7' D0309D' .20' :07:"0' A9D05' 205' :57.0=.479# 20' 605:09.'<24=2' 46' 8.' 205' 300.' 46' 8' 6@C;7" 73' .20' 208".2' 89D' 6830.@' <24=2' .20@' 7<0' .7' 205' 89D' 8"67' 603?06' .7' .@:43@' .20' 605:09.' .7' <24=2' 8' @7.CB' B45"# 73' ' <09.' 0?05@' @085' .7' 73305'4.' 97A5462G C09.' 49' 4.6' 78?0C# 246' D09854A6' <86' 6.5A=F' ;@' '# ' <24"6.'20' <86' C790.85@.54AC?45# 0' =2760' .246' .@:0' ;0=8A60' 246' 38C4"@' <86' 754B498""@' 73' ' <2050' 20' :0528:6':76G 60660D' .20' 06.8.0' 08 0D' # ' 89D' ;@' =755A:.479' 75=4"409' <24=2' 286' ;0 C0' =0"0G ;58.0D'375*.20' B508.' 9AC;05'73' C79AC09.6' D46G =7?050D' .2050*1 00' #

- 'F + '=57<949B' 89' AB95' 46' 6009' 79' 8' D09854A6' 73' .20' 1 7 '38C4"@' ;0854 9B' .20' 496=54:.479' 73' S# - * ! " ! ' & 1 * ' ! # 1 75' ;@' 89' 496.4.A.479' 73' AC8' :05:0.A8.49B' 8' C76.' 89=409.' =050C79@' 73' .20' ;754B4906' 8' B78.' <86' 68=5434=0D' 8.' .20' 8".85' 73' KA97' 49' .20' :50609=0' 73' 89' ABA5' 86' 8::0856' 357C' 8' D098G 54A6' 73' 4=494A6' 85A6' <209=0' KA97' 76:4.8' 20560"3' 46' C8D0' .7' :"8=0' 8' =57<9' 79' .20' 208D' 73' %A49.A6' 7CA34=4A6' 6.89D49B' 49' 246' 8ABA58"' 57;06' 89D' <4.2' 246' 73' 7334=0# 20' CG :0575' 58 89' 506.750D' .246' 9AC46C8.4= C79AG C09.' 50"8.49B' .7' .20' 50"4B479' 89D' .7' .20' 246.75@' 73' .4C06' "79B' 89.0=0D09.' .7' 246' 7<9* ' 184D' *1' 9' 3456.' ;5866' 73' 9.7949A6' 4A6' 89D' 73' 7CE' C7DA6' .20' 375C05' "0B09D' 6:0".' 76:4.0' .20

' # & *1 ' .25790' 89D' 8' :08G =7=F' <4.2' .84"# 6:508D' ;0908.2'4.' ' 79' 67C0' 8' 6=0:.50' 46' :"8=0D'.5896?0560"@'A:79'.20'.25790*1' 9' "85B0' ;5866' 73' 8A6.498' 609475*

' # & ' 89D' ' # & #

1 246' "0B09D' 46' 90?05' 6009' 79' =7496' 73' .20' C:05756' 0I=0:.' 790' 73' "8AD4A6' &7.24=A6# A.' 86' .20'?09058.0D' 7 ' 73' 04.406' KA97'<86 "8..05' 46:4.80' .20' &7DD066' 8::0856' <4.2' B78.G 6F49' 89D' 27596' 79' 205' 208D' 89D' =86.49B' 2' 8?0"49' 28?49B' 8' 605:09.';03750' 205*

H

a K #' & *

- ' F 1 20' 8C489' KA97 ' 67' =8""0D' 357C' .20' 46"89D' 73' 8C76 ' <2050' 620' <86' M8"67' 86' # <) % <75624:0D' <4.2' B508.' DO?7.479# ' 34BA50' 73' .20' &7DD066' 49' SA06.479 ' 6.89D49B' <4.2' 89' 085' 73' =7C' 8.' 205' 300.' 8:: 0856' 79' 8' 64"?05 C0D8""479' 73' 8D5489 ' <4.2' .20' "0B09D' =76# 4""# 8' "0B09D' ?05@' =7CC79' 79' .28.' C : 0575L6' 64"?05 =7496*

- ++ ' '- + 1 9' =7496' .246' 98C0' 46 6 : 0".' ; 7.2' & ' 89D' & ' .20' D7A; "0' : *

#' 0 1 #' G

#* 1 KA : 4.05' 608.0D' 27"D6' .20' .2A9D05G ; 7".' 49' 246' 54B2.' 289D' 89D' 8' 6 : 085' 49' 246' "03.*

20' 8; 7?0' .<7' "0B09D6' M<4.2' .20') '4N ' 8==7C : 8940D' ; @' .20' 68C0' .@ : 0 ' 8 : : 085' 79' B7"D' 89D' 64"?05' 73' 057* 1 T' .' 46' ?05@' : 57 ; 8 ; "0' M68@6 =F20"N' <28.' 84""89.' .24926 ' .28.' .2060' =7496 <050' 6.58=F' 79' .20' 7==86479' 73' .20' .@589.L6 06=8 : 0' 357C' .20' =796 : 4580@' 73' 467 ' 8 ; 7A.' .20' @085' 73' #7C0' , ' A9D05' .20' : 054"' 73' <24=2' 20' 8=F97<"0DB06' .20' 49.05 : 7649B' BA85D489624 :' 73' KA : 4.05' .20' # ' 89D' .20') ' .' 8 : : 0856' .28.' 057 ' 83.05' .20' D0308.' 73' .28.' : "7.' 8B8496.' 246' "430 ' =7960=58.0D' 49' .20' 8 : 4.7"' .20' D8BB05' <24=2' 28D' ; 009' 84C0D' 8.' 24C ' 89D' 49G 6=54 ; 0D' 4.' "7 ?4' ?4 4=4* 1 M 20' &500F' =7"794O6' 73' 8.586' 89D' 73' 7549.2 ' <050' 8"67' 49DA=0D ' 49' =7960SA09=0' 73' .246' D89B05 ' .7' 496=54 ; 0' 79' .2045' =7496' A9D05' 057 ' ! ## ! $ ' 0 ! $ 3 * 1 00' # ' =7"#' 49' <24=2' 20' 46' 50 : 50609.0D' 6.89D49B' <4.2' 8B"0' 49' 54B2.' 89D' 286.8' 49' "03.' 289D* 1 ' 9D' 97.' 79"@' <4.2' 057 ' ; A.' 8"67' <4.2' S.2056 ' 8.' .20' 689"F' : 0547D ' <86' - + ' ') ' 20"D' 49' 279795 ' .27AB2' 357C' D4330509.' =8A606# ' 75' 090=8' 89D' 2586086' 60.A6 ' D77C0D' ; @' .28.' 689BA4985@' C796.05' .7' 6A3305' D08.2 ' '6 : 549F"49B' 857A9D' .20' ; "77D' 357C' .2045' 7 : 090D' ?0496 ' 01G ="84C0D') '- ') 1 00' - +

- ' ++ ' 75'+ ' 1 20' 0105=460' 73' .246' : 54?4"0B0' 46' <0"" 50 : 50609.0D' 79' 8' =749' 73' .20' 75=48' 38C4"@' 79' .20' 7 ; ?0560' 73' <24=2' .2050' 46' .20' 208D' 73' #7C0' 20"C0.0D ' <4.2' .20' 49G 6=54 : .479' #) ' ' # ' / g' .20' 50?0560' 46' 8' 34BA50' 49' 8' C4"4.85@' D5066' ; 0.<009' .<7' 7.2056 ' 73' <27C' .20' 790' 79' .20' 54B2.' 289D' 46 .7B8.0D ' 75' 49' .20' 28 ; 4.' 73' 8' #7C89' =4.4\09 ' 7?05' .20' 208D' 73' <24=2' .20' 7.205' 01.09D6' 246 289D ' 79' .20' "03.' 46' 8' 4=.75' <4.2' 57D6' / 49' .20' 0105BA0' <0' 508D' # * " 1 00' # * ~ ! ' 38C4"@"# 1 246' C0D8"# 46' 8' C79AC09.' 73' 8' "8<' =85540D' ; @' 8' 54 ; A9O' 73' .20' 07 : "0 ' =8""0D' .20' "# ' .28.' 97' =4.4\09' 73' #7C0' 627A"D' ; 0' ; 08.09' <4.2' 57D6# 20' 8D?89.4B06' 73' .246' "8<' 28?0' ; 009' 8..06.0D' ; @' C89@' <54.056 ' 89D' 06 : 0=48""@' ; @' 4=057* 1 9' 897.205' =749' 73' .20' 68C0' 38C4"@' 46' 37A9D' 8' C79AC09.' 73' .246' 54 ; A9O' 49' .20' 6830.@' 73' .20' C849' "4 ; 05.@' 73' #7C89' =4.4\096# 20' 7 ; ?0560' 73' .246' 46' 9085"@' ; FO' .20' 790' 8 ; 7?0' D06=54 ; 0D ' ; A.' 79' .20' 50?0560' 8 : : 0856' .20' &7DD066' 73' 4 ; 05.@' <4.2' ; '+ '75' ; 7990.' 49' 205' 54B2.' 289D ' 89D' <4.2' 8' 6 : 085' 49' 205' "03.' 6.89D49B' 49' 8' SA8D54B8' 89D*=57<340D' ; @' 8' 34BA50' 73' 4=.75@# 20' "0B09D' 46' B ' # 4 (' # *

& # 246 C0C7548"# 73' #4=2485A6' ' 49B' 73' .20' A0?4' 8 : : 0856' 79' .20' 50?0560' 73' 8' 64"?05' C0D8"# 73

K *

79754A6# .' 46' 496=54 ; 0D' 57A9D' 8' B85"89D' <4.249' <24=2' 46' 8' =5766 ' ; 0.<009' .20' "0..056 # *

246' 649BA"85' =749' <86' 3456.' : A ; ; 620D' 49' .20' 8.8"7BA0' 73' .20' L 9905@' 8 ; 490.' M:# HaHN ' .20' 8A.275' 73' <24=2' 8DD6' .28.' 4.' <86' .AC4D' 8.' 7"768' M 7A"7A60N ' <2050' 504B90D' 207D754=A6 ' 49B' 73' .20' &7.26 ' <27 ' 8 ; 7A.' .20' @085' a ' B8?0' 246' D8AB2.05' 49' C85548B0' .7' #0=24854A6 ' 67A' 73' #0024"8 ' ' 49B' 73' .20' A0?4* 1 89494 ' <27' 50 : A ; "46206' .20' 68C0' =749 ' C050"@' 8DD6' 4 * ' F ' ' ' ' + ' ' + ' ' + ' '7 * 1 ' T' 28.' =0"0 ; 58.0D' =7""0=.479' M68@6 =F20"# 49' 246' 97.0' 79' .246' 6A ; 0=.N ' <0""# D0605?0D' .7' 28?0' ; 009' C750' .2757AB2"@' 018C490D ' 975' 7AB2.' 4.' .7' 28?0' ; 009' 67"7760"@' 86605.0D' .28.' .20' C0D8"# 49' SA06.479' <86' 6.5A=F' ; @' #0=24854A6 ' .20' 679E49E"8<' 73' 207D754=# 20' 375C05' 8==75D49B' .7' D8=4A6' 89D' .20' 25794="0' 73' 64D7C6 ' ; 0=8C0' ' 49B' 73' .20' A0?4 ' 49' : 849 ' 49' .20' @085' ' ' ; A.' 79754A6 ' .7' <27C' .20' =749' 46' 496=54 ; 0D' 28D' 8"508D@' : 84D' .20' D0 ; ' 73' 98.A50' M >HN# 246' =749 ' .20503750 ' CA6.' 90=06685#"@ ; 0"79B' .7' 67C0' ' 49B' 73' .20' A0?4 73' .20' 68C0' 98C0 ' <27 ' DA549B' .20' 504B9' 73' 79754A6 ' C4B2.' 28?0' 7 ; .8490D' F49B"@' : 7<05' 7?05' 246' 07A9.5@C09 ' 75' 8' : 75.479' 73' .20C ' 89D' .7' <27C' 4.' C8@' 28?0' 600C0D' 34.' .2A6' : A ; "4="@' .7' 2797A5' .246' 0C : 0575# 9' .20' 68C0' C89905' 8.' 8' "8.05' : 0547D' .20' &7.24=' ' 49B6' 73' .8"@' 8D7 : .0D' .20' : 58=.4=0' 73' : "8=49B' .20' 208D6' 73' .20' C : 05756' 73' .20' 86.' 79' .2045' =7498B0*U

47990.' B4?06' .20' 8 ; 7?0' =749 ' 86' 357C' .20' =8 ; 490.' 73' # &7660 ; A' 89D' 7 ; 605?06 1 ' = ' 0 '+ ' j ' ' ' ' 0 ' ' ' ' F } ' 0 # 5 # # #* (- ' ' ' "F ' ; 049B' A9D056.77DN* 1 0B09D' 79' 8' =749' 73' 796.89.490 ' C09.4790D' ; @' 4C85D' 49' 246' 97.06' 79' -) ' ?7"# 4# : # > H* 1 00' 8"67' =F20" ' ?7"# ?; 4# : # aH*

- ' ' "! ' % ' ; 7C' 49' .20' D46.54=.' 73' 0D054898 ' 75'49' .20' .7<9' 73' 8A5064AC ' 9085' 0D054898 ' 49' ""@548 ' H ' <86' .20' 90 : 20<' 73' KA6.49A6' .20' 456. ' ; @' 246' 646.05' 4B 89.48 ' .20' D4?75=0D' <430' 73' 0 ; 8.4A6 ' 89D' 8D7 : .0D' ; @' 246' A9="0' 49' [> ' 6A==00D0D' .7' .20' 0C : 450' 8' 30<' C79.26' 83.05<85D6# 0' <86' 8' : 549=0' 73' <08F ' A9B09057A6 ' ?849 ' 89D' 2085.G "066' =2858=.05 ' <2760' 504B9 ' .27AB2' C85F0D' ; @' 0?09.6' 73' 279795' .7' .20' #7C89' 98C0 ' <86' 97' "066' 6.8490D' W; @' .20' C : 0575L6' C0899066' A9D05' 8D?0564.@' 7?05 ; 08549B' 8557B89=0' 49' C750' : 576 : 057A6' =45=AC6.89=06' 89D ' <756.' 73' 8""' ; @' 246' 49B58.4.AD0' .7' 0 ; 6854S ' .20' C76.' ; "A6.547A6' 73' 246' C89@' 8 ; "0' B09058"6# 3' 8' 6.AD47A6' D46G : 764.479 ' 246' .8"09.6' 375' A546 : 58D09=0' 28?0' 605?0D' C750' .289' 246' : 549=0"@' ?45.A06' .7' 289D' D7<9' 246' 98C0' .7' : 76.054.@# 75 ' ; @' 246' =7CC89D ' 8 ' .20' "8<6 ' 86' <0""# 86' 0D4=.6' 73' 67?0504B96 ' 89D' .20' 7 : 494796' 73' A546=796A".6 ' <050' =7 0=.0D' 49.7' 790' ; 7D@ ' 83.05<85D6 D4B06.0D' 49.7' .2760' =0"0 ; 58.0D' ?7"AC06' =8""0D' .20' : 89D0=.6 ' 496.4.A.4796 ' =# 03750' 246' D08.2' 9 ' [N ' 20' C8D0' 6 ' 343.@' @0856L .5A=0' <4.2

2765706' '49B' 73'.20' 0564896' <24=2' 27<G 0?05' .28.' 6=7A5B0' 73'.20' 7C896' ;57F0' A9D05' KA6.49489L6' 4C:5AD09.' 6A==06675' KA6.49A6' .20' 0=79D*

KA6.49489A6' 46' 6.@"0D' 79' 246' =7496' # # # :*:# 89D' 8::0856' 83.05'.20' C899050 73' 796.89.497:7 .89' C:05756'=57<90D' <4.2' 8' B0CC0D' D48D0C/ 46' ;5866'=7496' 850' =7CC79' 64"?05' 89D' B7"D' "066' 67# 9' 0 ' B7"D' C0D8""479' 0I24;4.6' 246' 3A""E38=0D' ;A6.' 79' 790' 64D0/ 89D' 246' 0SA06.5489' 34BA50' <4.2' ,* ' 89D' o ! ' * 79' .20' 50G ?0560* 1 00' 47990.*

- ' ';7C' 73' 8' :08689.' 38C4"@' 8.' 0D0548A8' 49' 258=0' 49'.20' @085' [' 89D' 0C:"7@0D' DA549B' 246' 085"406.' @0856' 49'.20' "7<06.' 7==A:8.4796# 0' .58?0""0D'.7' 796.89.497:"0' 49' 246' 64I.009.2' @085' 89D'.2050' 0I=289B0D' 246' 58BB0D' B85C09.6' 375'.20' D5066' 89D' 85C6' 73' 8' 67"D4050# 46' 6.54F49B' 34BA50' 50=7CC09D0D' 24C' .7' 790' C:0575' 89D' 246' C4"4.85@' SA8"4.406' .7' 897.205' .4""' 8.' "09B.2' ;@' D49.' 73' =A9949B' 89D' =7A58B0' A94.0D' .20' :775' =7..8B05L6' 28"3E6.85?0D' 679' =79.54?0D'.7' C7A9.' .20' 3456..257900' 73'.20' 086.*1 9' .20' D08.2' 73' 986.864A6' <2760' 560.75489' :5030=.' 20' 28D';0=7C0' ' , ' 20' <86' :57="84C0D' 0C:0575' 8.' 796.89.497:"0*1' 7964D0549B' 246' 754B49' 4.' 46' 97.' 6A5:54649B' 43' 246' 98.A58"' 8;4"4.406' :57?0D' B508.05' .289' 246' 0DA=8G .4798"' 8=SA450C09.6# 9' 38=.' 20' =7A"D' 904.205' <54.0' 975' 508D# A.' 68@6' 08A?846' T' 20' C4"D9066' 73' 246' =2858=.05' .20' 8338;4"4.@' 73' 246' D0:75.C09.' .7<85D6' 246' 6A;0=.6' .20' A6.4=0' <4.2' <24=2' 20' B7?0590D' .20C' 246' \08" M=8554OD' 27<0?05' .7' 8' 54B757A6' 0I=066' 8B8496.' .20' 54896N' 375' .20' :A54.@' 73' .20' 2546.489' 384.2' C85F0D' .20' =7A560' 73' 246' 504B9' 89D' 28?0' 09.4."0D' 24C' .7' 8' :"8=0' 49' .20' 589F' 73' B77' ':549=06*U 1 9' > ' 8;8D06' F49B' 73' 05648' 28?49B' ;57F09' .20' :08=0' <24=2' 6A;646.0D';0.<009' .20' .<7' 0C:4506' KA6.49' 609.' 8B8496.' 24C' 89' 85C@' =7CC89D0D';@' .20' =0"0;58.0D' 0"46854A6' <27' C85=20D' ?4=G .7547A6"@' 49.7' .20' 2085.' 73' 05648' ;A.' .20' C:0575' D4D' 97.' 600' .20' 09D' 73' .28.' <85' 375' 20' D4OD' 79' .20' 3456.' 73' ABA6.' > ' 28?49B' 8' 30<' C79.26' ;03750' 8667=48.0D' 246' 90:20<' KA6.49489A6' 49' .20' B7?059C09.# 0' 28D' 97' =24"D509' ;@' 246' <430' 98C0D' A30C48*1 9' 246' =7496' M<24=2' 850' ' 49' B7"D' <4.2' 246' 208D' 79"@' 89D' 49' ;5866' 73' 0?05@' 64\0' ;A.' '49' 64"?05' 89D' 3' ' <4.2' 246' 34BA50' 89D'.28.' 73' KA6.49489N' 20' 46' 6.@"0D' * # 4?6 4 ?6' ' 1 9'.20' 50?05606' 73' 67C0' 8::085'.20' C797B58C6' 73' 207D754=A6' 89D' 73' .28"854=A6' F49B6' 73'.20' 6.57B7.26* - ' ' "! ' %' <27' 28D' 20"D'.20' 7334=0' 73' C86.05' 73'.20' :8"8=0'.7' 246' A9=" 0' KA6.49489A#' <86'.20' 679' 73' A"=4664E CA6' 89D' 4B4"89.48' 89D';0=8C0';@' 6A==066479# C:0575' 73'.20' 86.' [[# ' <08F' 89D' 4C:5AD09.' :549=0' 8DD4=.0D'.7' :"086A50' 89D' 60"3462' 49' :7"4=@' 20' 50E=8""0D' 89D' 4""E.508.0D' 85606' 246' :50D0=06675L6' <460' B09058"' 89D' =79SA0575' 73'.20' &7.26' 49' .8"@' <27' 49' 50?09B0' 49?4.0D'.20' 7C;85D6") % 4A.7' .8"@' <24=2'.28.' =89D498?49B':07:"0' 7?05G 589' <4.2' > ' 34B2.49B' C09' C8F49B'.20CG 60"?06' C86.056' 73'.20' B508.06.' :75.479' 73'.28.' ' ' >

=7A9.5@' ' [*1 .8"@' "76.' KA6.49' 28D'.7' 6.5ABB"0' <4.2'.20' 49=508649B' D4334=A".406' 73' 8' 056489' <85' 89D' D40D' 49'.20' C4D6.' 73' 4.' 8' 0"8B489' 2050.4=' 49'.20' @085' 73' 2546.' [' 89D'.20'.245.009.2' 73' 246' 504B9' 28?49B' 8::749.0D' 4;054A6' 86' 246' 6A==06675*1 0' 46' 9AC46C8.4=8 @' 6.@"0D' 7 ' 1 1 ' ! ' # # ' ' 46' =7496' 49' '850'=7CC79' 0I=0:.'.2760' <4.2'.4."0' 73' 7 ' 89D' <4.2'.20' "0B09D' 73' 4) ' 64"?05' 850' ?05@' 5850' ;5866' 850'=7CC79' 0I=0:.' .2760' 79' <24=2' 246' 98C0' 46'=79 7490D'.7'.28.' 73' 246'.5A=A"09.' 89D' 4C:0547A6' <430' # ! 1 T' 20' = 96' 27<0?05' M68@6' F09989N' 73' KA6.49A6'.20' 0=79D' 850' D4334=A".'.7' D46.49BA462' 357C' .2760' 73'.20' 0"D05' KA6.49A6' ;A.'.2760' <24=2' 850' 6A::760D'.7' ;0"74 '.7'.20' "8..05' 850' C750' =7CC79'.289'.20' 7.2056*U

- '.20' ?45.A0'.28.' 509D056'.7' 0?05@790' 246' 7<9' " ' 0 7' 9'=7496' 73'.20' #7C89' C49.' 6.5A=F' A9D05'.20' C:05756' 4;054A6' 05?8' 8D5489' 9.7949A6' 4A6' 06=0994A6' 4B05' 0:.# 0?05A6' 89D' "0I89D05' 0?05A6' - ' 75' - ' ' 46' 50:50609.0D' A9D05'.20'.@:0' 73' 8' <7C89' 6.89D49B' <4.2' :8.058' 6=0:.50' 286.8' 75' 5ADD05' 49' 205' 289D6' 75' "4FO' ! ' 64..49B' (4.2' ;8"89=0' 49' 790' 289D' 89D' 27"D49B'.20' '+ '49'.20' 7.205' 75' 8' =7CA=7:460*

*1 9' 8' B7"D' =749' 73' 8D5489L6' KA6.4=0' 46' 608.0D' 79'.20' =AC"0' =2845' 86' 79' 8' .54;A98"/ <4.2'.20' 4964B948' 73'.20' '+ ' 89D'.20' 0I.09D0D' + ' 620' D46:"8@6' 205'=850' 375' 50"4B479*1 20' 208D' 73'.246' B7DD066' <2760' 7.205' 98C0' 46' ' 8::0856' 8D7590D' <4.2'.20' D48D0C' 79' 8' =749' 73'.20' ' 38C4"@' 49' C0C75@' 73' 8' "8<' C8D0' 506:0=.49B';7A9D8506' 75' "89D' C85F6*

1 9' 8' 60=79D';5866' ' 75' KA"48' 8::0856' <4.2'.20' 98C0' 89D' 83.05'.20' 375C' 73' - ' '46' 790' 73'.2500' C0D8"6' 79' <24=2'.20' C7.205' 73' 4;054A6' 46' 50:50609.0D' A9D05'.20' 34BA50' 75' 8..54;A.06' 73' D4330509.' 4?494.406# 20' 46' =8""0D' 79'.20' 3456.' o ' 1<1 [79'.20' 60=79D' 4' .'.20' .245D' :4 ' 2060' C0D8"6' <050' 6.5A=F' A9D05' 4;054A6'.20'.<7' "8..05' <050' 83.05<49D6' 506.750D' ;@' 4.A6

- 1 # = ' - *1 4 ' ?<%

1 (15(*1' 20' &7DD066' - ' 75' 73' 7A.2'.20' 68C0' <4.2' 205' <27' <86' =8""0D' ;) ';@'.20' &500F6' 46' .2A6' C8D0' ;@' ?4D'.7' :05375C'.20' 7334=0' 73' =A:' ;08505' 8.'.20' 3086.6' 73'.20' &7D6/1

0=.85' 0.' 8C;57648C' "8.4=06' 0:A"86SA0' D07CC' 0.' C424' 375C768' 98?28' - ' C89A* # 'U+ ' # +# , ,*

2050' <86' 8'.0C:"0' 73' - ' 8.' #7C0' <2050' ;@' 8' ?05@' 89=409.' =A6.7C' C790@' <86' D0:764.0D';@'.2760' <27' 866AC0D'.20' ' 3.05' 9.7949A6' 4A6' 8D8:.49B' # A50"4A6' 28D' 97C498.0D' 24C' 86' 246' 6A==06675' 8' C0D8" <86' 6.5A=F' 79'.20' 7;?0560' 73' <24=2' <0' 600' # A50"4A6' 28?49B'.20' D7<9' C050"@' 79' 246' =20=F6' 89D' <4.2'.20' 496=54:.479' ' ' ' ' ' ' 89D' 79'.20' 50?0560' 8' =57<9' <4.249' <24=2' 46'.20

<75D 4?5 ' 75 49 67C0 =7496 5@ ' 89D ' ;0"7< ' 6# =* 1 9.7947 B76.494 ;0"40?06 .28.' .246 C0D8# <86 6.5A=F 49'50C0C ;589=0 73 .28.' + ' D8@ <209 .20 ;085D 73 A50"4A6 <86 3456.' 6A ; C4..0D .7 .20 .7967 5L6 7 :058.479 ' 89D .20 D7<9@ 35A4.6 <050 ' 8==75D49B .7 06.8 ;"4620D A68B0 ' =7960=58.0D .7 .246 68C0 B7DD066* 1 '"A6!?0 .7 .20 68C0 0?09. ' .2050 '850 .20 =7496 49 <24=2 - ' 6.89D6 A9D05 .20 34BA50 73 8 <7C89 :"8=49B 3589F49=0960 79 8 =89D0"8 ; 5AC ' <4.2 205 54B2.' 289D ' 89D 27"D49B

8 : 8.058 49 205 "03. ' 86 2050 627<9 357C 8 60=79D ;5866 =749 73 85=A6 A50"4A6*

* 1 9 8 3456.' ;5866 73 # A50"4A6 ' ;08549B .246 "0B09D ' .20 .@ : 0 ' 496.08D 73 .20 B7DD066 8 ; 7?0 D06=54 ; 0D ' :50609.6 .20 34BA50 73 8 @7A9B C89 49 8 6275.' D5066 ' 6.89D6 49B <4.2 8 ;589=2 49 790 289D ' 89D 8 ' 49 .20 7.205 ' 9085 8 .57 : 2@# 0 20 .@ : 0 73 8 @7A9B C89 6.89D49B <4.2 8 6 : 085 9085 8 .57 : 2@ 46 350SA09."@ 6009 79 =7496 73 6A ; 60SA09.' 504B96 ' <4.2 .20 8==7C : 89@49B "0B09D 73 # ! " # ' ! J ! ' ' 89D .246 ' : 0528 : 6 ' <86 49.09D0D .7 50 : 50609.' .20 6.8.A0 D0D4=8.0D .7 # A50"4A6 86 549=0 0 73 .20 #7C89 @7A.2*

' # * 1 246 "0B09D 8 : : 0856 79 8 D09854A6 73 858=8""8 ' 79 .20 50?0560 73 <24=2 .20 C : 0575 6.89D6 ' 49 C4"4.85@ B85 ; ' 27"D49B 8 B"7 ; 0 6A5C7A9.0D ; @ 4=.75@ ' 89D 8 6 : 085 ' 8 =8 : .4?0 =57A=249B 8.' 246 300.*

858=8""8 ' 68@6 84""89. ' <209 246 38.205 ' 0?05A6 28D 8"508D@ ; 0=7C0 9 7"D C89 ' <86 =8""0D - ' + ' .20 @7A.2 73 .20 0C : 450 ' ; 0=8A60 B508.' 27 : 0 <86 09.05.8490D 73 24C'49 246 085"@ @0856# 2A6 <0 600 24C 50 : 50609.0D 79 .246 =749 <4.2 8 4=.75@ 49 246 289D6 ' 28?49B ' 49 =79 A9=.479 <4.2 246 38.205 ' =79SA050D .20 85.24896 ' 86 .20 =8 : .4?0 8.' 246 300.' 605?06 .7 .06.43@# 09=0 8"67 79 897.205 64"?05 =749 73 .246 3057=47A6 : 549=0 ' 6.5A=F DA549B .20 504B9 73 246 6=85=0"@ "066 .5A=A"09.' 6450 ' 20 46 379D"@ =8""0D + ' ! - :' .246 38C4"@ 46 6=85=0"@ .7 ; 0 ="8660D 8C79B6.' .2760 73 .20 #7C896# 20 =7"79@ 73 ' 0I24 ; 4.6 79 4.6 =7496 .20 98C06 73 C8B46.58.06 <27 ; 085 .20 6A598C0 73 - ' 75 0I8C : "0 .20 + ' ! J ! . #$ " ' 45?4 # - ' + ' - 1 00 # ! " # ' ! J ! + # AC058# C85F6 1 86 ! # ' 4I # =* 79 =7496 73 ABA6.A6 1 + ' 375 .20 949.2 .4C0*

" # *

' *

' .20 E ++ ' 73 .20 &500F6 ' 89D .20 .09.2 "0..05 73 .2045 8" : 28 ; 0. ' ?05@ 60"D7C 8 : : 0856 8C79B6.' 8.49 "0..056 ' 89D .209 79"@ 49 6C8"# <75D6# 9 #7C89 =7496 ' <4.2 8.49 496=54 : .4796 ' .20 ' 46 A60D 79"@ 49 .20 496.89=0 73 E ' 86 +' ' # ' 89D .28.' 97.' 8" < 8@6 ' 375 79 .20 <0""EF97<9 =7496 73 0?05A6 <0 508D & ' ' # 1 00 .2=' "0B09D* ' 89D ' <050 375C05"@ ' 357C 64C4"854.@ 73 6799D ' 0C : "7@0D 49D46=54C498.0"@ .20 790 375 .20 7.205 ' 86 49 .20 8 ; 7?0E98C0D 0I8C : "0 1 ' # ' ' ' A.' .27AB2 .246 <86 .20 C76.' 8A=409.'=A6.7C ' @0.' 49 496=54 : .4796 73 8 6A ; 60SA09.' D8.0 .20 ' ' <86 50"49SA4620D 89D .2760 <75D6 50C8490D ' <54..09 ' <4.2 .20 "0..05 # 9 "8.05 .4C06 .20 ' ' 506AC0D 4.6 86=09D89=@* ' ' 46 37A9D 49 A60 79 8.49 =7496 73 .20 "7<05 0C : 450 ' ?4*' 3 ' 89D $ 3 ' 79 C0D8"6 7 3 8=4.A6 ' "75489A6 ' 57 ; A6 ' 85A6 ' AC05489A6 ' 8549A6 ' 86) ' M75 C790.85@ A9D05 64B949B6*N 1 546.89 49 246 50C85F6 79 .20 85.28B49489 6.8.0 ' 286 8..0C : .0D 89 49.05 : 50.8 .479 73 .2060 "0..056*

* 1 20 0"0?09.2 "0..05 73 .20 #7C89 8" : 28 ; 0.* 1 649B"0 46 67C0.4C06 : A.' 375 8 D7A ; "0 790 8 6 # 0 ! ! 375 # 0 0 ! ! 8ADA54 4 : # , [# % 4 4?6 375 % ?4 4?6 00 .20 - 0 38C4"@* 1 246 "0..05 46 A60D 86 8 C49.' C85F 7 9 C89@ 38C4"@ =7496*

* 1 246 "0..05 64B94306 .20 =7"79@ =8""0D ' 75 - ' ' .' 3D67 64B94306 M 0B479N ' 75 ' 75 ' .20 : A ; "4= B8C06# !

79 8 .8 ; "0.' C0896) ' 00 .20 D09854A6 73 .20 ' 38C4"@ ' 79 <24=2 850 .20 "0..056) * ' 6.5A=F 49 C0C75@ 73 # 70"4..6 8"DA6* *' ' 75 ' .20 =4.@ 73 @79* 1 : ' # ' MC790@N 6.5A=F 8.' @796 ' 75 ' # ' C790@ 73 @796* 1 *' 79 =7496 73 858A6498 89D 0=.A6 '

46 8 8.49 64B9 375 .20 9AC ; 05 343.@* *' ' 86 49 #) ' 8 #7C89 C4"4.85@ 0964B9 ' <24=2 46 D06=54 ; 0D .7 28?0 ; 009 8 C750 D46.49BA4620D 6 : 0=406 73 ' 75 =8?8"5@ 6.89D85D ' 89D ' "4F0 .20 506. ' <86 89 7 ; 0=.' 73 50"4B47A6 ?09058.479 8C79B6.' .20 67"D4056 ' <27 : 84D 4.' D4?490 2797A56* 28.' .20) ' D8.0D 4.6 D064B98.479 86 .20 4C : 0548# 6.89D85D 357C 89 085"@ : 0547D 73 .20 0C : 450 ' 46 8 6A : : 764.479 =79345C0D ; @ 8 =7"7948# C0D8# 73 4 ; 054A6 MD0D4=8.0D .7 .28.' 549=0 ; @ ' ' 1 858B7\\8N ' 79 <24=2 C8@ ; 0 50C85F0D .20 375C 73 .28.' 0964B9# .' <86 754B498""@ 8 F49D 73 6SA850 ; 89905 73 : A5 : "0 ; 75D050D ' <4.2 B7"D 3549B0 ' 8..8=20D .7 .20 A : : 05 09D 73 8 "79B : 4F0 75 6 : 085 ' 9 .20 D58 : 05@ 73 .246 ; 89905 89 08B"0 <86 : 849.0D ' 75 0C ; 574D050D ' 49 B7"D .466A0 ' 89D 4.' <86 2746.0D 79"@ <209 .20 C : 0575 <86 <4.2 .20 85C@# A.' 796.89.490

B8@6 460"4A6"F ' %' T'.20' :4"7.6'73'?0660"6 D450=.' .2045' =7A560' 345C"@'.257AB2' .20' <8?06'73' .20' 7=089'.7' .20' :"8=0' 73' .20445' D06.498.479*U'
" ' 1>2' #) ' - 3

E 0.4.48' 6.89D6' <4.2'=7CE0848' 49' 205' 54B2.' V89D' 89D' .20' 286.8' :A58' 49' 205' "03./' 79'3456.' ;5866'73' 8A6.498' A9*
' &*1 9' =7496'73' &8""409A6' 49' 8 ' .20' .2500' C0.8"6' .246' "0B09D' 8::0856' <4.2'.@:0'73'8' <7C89'27"D49B'8' B85"89D' 89D' 89' 89=275' 6.5A=.' ;@' 75D05' 73' .28.' ?7"A:.A7A6' 2085."066' 89D' 0==09.54=' 0C:0575' <209' 246' 38.205' 8"05489' <86' 8=.A8 @' B5789498B' A9D05'.20' =5A0" 89D' 4B97C4947A6'=8:.4?4.@'73' .20' 0564896" 1 ==75D49B' .7' 7 47' T' &8""409A6' 8<850' .28.' 8=548996' 89D' 246' 024"D509' 28D' ;009' 6"849' 89DO' .28.' 246' 38.205' <86' 6.4"" 8' :54G 67905'.7' 8:75' 49'389=40D' 60=A54.@'8B8496.':79G 60SA09=06' 8;89D790D' 24C60"3'.7' "0<D' :"08G 6A506' B8?0' :A;"4=' B8C06' 89D' 49?4.0D' .20'4R07:"0 86' 43' 49' D8@6' 73' ?4=.75@' .7' 306.4?4.@' 89D' 50G 74=49B*U 1 7C0.4C06' .20' "0B09D' 73' '
3 'MK7@'73'.20' C:0575N' 286' 375'4.6'8==7CG :89@49B'.@:0'8' B8""0@' 8.' 608' <4.2' 37<056' :57G :0""49B'4.'89D'.20' C:0575'6.89D49B'8.' .20'20"C/ 86' 79' B7"D' 64"?05' 89D' ;5866'=7496'73' 76.ACA6*

' # " "
<7' 30C8"0' 34BA506' 6.89DG 49B' .7B0.205' 790' 27"D49B' =759E0856'.20'7.2058'B"7;0" 9' 8' B7"D' =749' 73' 9.7G 949A6' 4A6*

' # *1 ' B8""0@' <4.2' 684" 6:508D' 8;7A.' <24=2' 0 '850' 5A9949B' 89D' C89@' 894C8"6*1 246' A9A6AS' .@:0' 79' .20' 50?056O' 73' 8' B7"D' =749' 73' 0:." 0?05A6' 605?06' .7' 4""A6.58.0' 8' :8668B0' 49') ' <205049' .28.' <54.05' 50305549B' .7' ?8547A6' 6:0=.8="06' 0424;4.0D' ;@' .20' 8;7?0' C:0575' 79' 246' 50.A59' 357C' .20' 86.' 89D' 49' <24=2' 8' B508.' C89@' <4"D' ;086.6' <050' F4""0D' 68@6 1 T' '50=0:.8="0' <86' ;A4".' 375' .20C' 49' .20' 8C:24.208.50' =796.5A=.0D' 49' .20' 375C' 73' 8' 624:' 67' .28.' ,['M=" 9*N' <4"D' ;086.6' C4B2.' ;0' 50=04?0D' 49.7' 4.' 89D' 8.' .20' 68C0' .4C0' ;0' 8.' 79=0' 609.' 375.2' 357C' 4." ' 20'624:'6AD "09"@'38""49B'.7' ':40=06'.2050'466A0D'7A.'73'4.' ;0856' "47906606' :89.2056' "4796' =N('B7"D'=749'73' 858=8 8' 2050' 09B58?0D' 286' 8"67'.20'68C0'50?0560*

' " " " " %" Y6 ('
'E+ ' 'F '# + 0'F *1' 246' 8::0856' 79' 8'3456.' 89D' 60=79D';5866'73' 759E C7DA6*
1 KA97' <4.2' 208D' =7?050D' <4.2' .20' B78.E6F49' =855@49B' 6:085' 89D' 6C8"" 6240"D' 89D' <08549B' 62706' .A590D' A:' 8.' .20' .706*1 00' - ' F + '75'7 +
' .20' ?45B49' <27' 8==75D49B' .7' .20' 89=409.' 8C:8948'38;"0' <86' @085"@' 609.' .7' 73305 8' 605:09.' 377D' 49' 4.6' =8?0' 50:50609.0D' 79' 8' D09854A6' 73' " 8:4A6' 0"6A:' .7' 620<' 246' 754B49' 357C' .20' =4.@' 73' 89A?4AC*1 20' 68C0' ?45B49' 46' 6009' 79' =7496' 73' .20' # + ' 89D' # ' 38C4"406' S330549B' 377D' .7' 8' 605:09.' <24=2' 46' 584649B' 4.60"3' 49' =7D6' ;03750' 205*1 ';579\0' C0D8""479' 73' 9.7949A6' 4A6' 49' .20' '# ' 0124;4.6'8' B45"6.89D49B' 9085' 8' .500' 89D' 300D49B' 8' 605:09.' 37"D0D' 57A9D' .20' .5A9F*
20' '605:09.' 75' D58B79' =74"0D' 49' 37"D6' 8::0856' 79' =7496' 73' 7C:7948' 89D' 8:48' 38C4"406' <4.2' .20' 34BA50' 73' 8' <7C89' 9085' 4.*
' 75' ' 8"67' ' 8' CA94=4:8"' 89D' =7"7948" =4.@' 73' 8C:8948' <2760' .0C:"06' <050' 506.750D';@' 9.7949A6' 4A6* ' <4.2' 246' .<7' 6796' 09.<490D' 49' .20' 37"D6' 73' 605:09.6' 8::0856' 79' .20' 50?0560' 73' 8' 'C0D8"' M49' .20' C:0548" A60AC' 8.' 40998N' 28?49B' 79' .20' 7;?0560' .20' 208' 73' 057' 89D' .20' "0B09D' # ' 3 ' = ' F3 ' M97<'!=8""0D' ? 3 ' 75' ? %' 8' C854.4C0' =4.@' 64.A8.0D' 79' 8' :09496A"8' .7<85D6' 27094=48' 89D' :7660660D' 73' 790' 73' .20' 34906.' 285;7A56" .' <86' 37A9D0D';@' 0"09=A6' 4=8.75' M790' 73' .20' C76.':7<053A" 73' "0I89D05L6 B09058"6' 89D' .20' 3456.' 73' .20' 0"0A=4D8' ' 49B6' 73' @548N" .' 83.05<85D6' 50=04?0D' C89@' 38?7A56' 357C' 80685' 89D' 49' =7960SA09=0' .77F' .20' 98C0' 73' - ' 8;7A.' " ?" =" ' 357C' <24=2' .4C0' 4.' D8.06' 4.6' 90<' 0:7=26' M;03750' 2546.' N*1 .' 6.5A=F' ;7.2' ' 89D' &500F' C:0548" =7496" 20'375C05' 3305.20'208D'73' "0189D05' *' F ' '49B' 73' @548*1 9' C:0548" &500F' 74' 8D5489' ;0856'.20' 98C0' 73' ' 49' .7F09' 7" 4.6' 8""489=0' <4.2'.28.'46"89D' ;A.'4.' <86' 97.'.4""" .20' 504B9' 73' 0:." 0?05A6'.28.' .246' 87D4=08' ;0=8C0'8'#7C89' 7"79@" @'.20' 68C0' C:0575' 4.' <86' =796.4.A.0D' 8' 0.57:7"46' 89D' 49?06.0D' <4.2'.20' :54?4"0BO' 73' 6.54F49B' =7496' <4.2' "0B09D6' <24=2' 4.' 0I05=460D' A9D05' 246' 504B9' M49="AD49B' 246' C:5066' KA"48' 7C98N' 89D' =79.49A0D' .7' D7' 67' 49' =7964D058;"0' 9AC;056' A9D05'.20' 6A==00D49B' 504B96' 73' 858=8 8' &=.8' 8=549A6' 48DAC09489A6' "8B8;8"A6' 24"4:' 609475' 50;7A489A6' &8 A6' 89D' 8"05489' 609475' 79' <24=2' <050' 496=54;0D' - o ' # ' o ' 2 ' ' ' F + ' ' ' ' + ' 20'98C0'73'F + ';049B'8D7:.00' 49' C0C75@' 73' 4.6' ;09038=.75' 0?05A6' 89D' .20' 375C05'98C0'73' - ' 8;89D790D*
84 89.' 286' 97.' 09AC058.0D' 89@' =7"7948" C0D8"6' 73' ' F3 ' ' ' 6.5A=F' A9D05' " 0?05A6" A.' 0 0549' 286' 6A:"40D' .28.' 7C466479' ;@' B4?49B' 09B58?49B6' 73' .2500' 3490' "85B0' ;5866' 73' .246' =7"79@' D0D4=8.0D' .7' .28.' 0C:0575' ?4*/1
,*1 " " " " # ' &*

*

20' &094A6' ;049B' 608.0D' 79' .20' 5ADD05' M89' A9A6A8"' C7D0' 73' 50:50609.8.47A\' 85BA06' .20' .589SA4"' 6.8.0' 73' .20' =7"79@ ' 375' 87D4=08' 50G :760D' 8<24"0'83.05':08=0' 28D' ;009' 09.050D' 49.7' ;@' 24"4:' <4.2' .20' 0564896 ' <27 ' 7==A:@49B' :85.' 73' 067:7.8C48 ' .2508.090D' @548' 20560"3 ' 89D' .20503750' .20' =4.@ ' 49' =79B58.A"8.479 ' 496=54;0D' .2060' =7496' .7' .20' C:0575* 1 44' , *Q

i ' 6.89D49B' <4.2' - ' 79' 205' 208D' 89D' ="7.20D' 49' .20' .A94=' :"8=06' 205' 54B2.' 289D' 79' .20' .4 05' 73' 8' 624:L6' 5ADD05' 89D' 49' 205' 01G .09D0D' "03.' 289D' 27"D6' .<7' 6C8"" 4C8B06*

^ 20' :05679434=8.479' 73' 87D4=08' 2050' 6A:.:75.6' .20' 6C8"" 6.8.A06' 73' 50279489A6' &8""A6' 89D' 246' 679' 7"A6489A6 O' 86' 43' .2760' .<7' :549=06' <050' .20' &0944' 73' .20' =4.@ ' 49' "4F0' C89905' 86' 79' =7496' 73' 24""4:7:7"46' 7590' 608.0D' 46' 6009' ;08549B' 49' 205' 289D' .20' 4C8B06' 73' .20' 24"4:6' 38.205' 89D' 679* 1 4#>, *Q

F *1 9' 8' 3456.' ;5866' 73' 50279489A6' &8""A6' 6.5A=F' ;@ .20' 87D4=0896 ' 4"09A6 8:.:0856' 49' 246' A6A8"' :76.A50' 89D' <4.2' 246' A6A8"' 8..54;A.06' .20' 54B2.' 289D' A:"43.0D' 89D' .20' B78.E6F49' ;8B' 79' 246' "03.' 627A"D05*

^ 246' .@:0' 620<6' .28.' .20' D04340D' .A.75' 89D' 8667=48.0' 73' 8==2A6' <346' <75624::0D' 8.' 87G D4=08* 1 44# >, [*Q

i $" ? ' 2* ' ' 44W_XOW* 1 246' .@:0' 8::08"6' 79' 8' 60=79D' ;5866' 73' .246' ="7"79@ 6.5A=F' A9D'V ' 80549A6 ' 7C4..0D'49' 84""89.' ;A.' 09B58?0D' 49' 0""0549' k ' 4# :4# I?444# 7# , ,N' <4.2' "0B09D' 73' 50?0560' # ' 4 1 8"67' 79' 8' ?05@' 3490' 3456.' ;5866' 73' 48DAC09489A6' 97.' 97.4=0D' 49' 84""89.' ;A.' B4?09' 49' "89=2' I4I# 73' .20' = ' 4# 7# >*

i ' & ' ' 1 9' 8' "85B0' ;5866' 73' "8B8;8"A6' 6.5A=F' 49' .246' ="7"79@' .20' 50?0560' :50609.6' 375' "0B09D' =7.# o ' !$ * .' :7. 6' 89D' 375' .@:0' 8' B57A:' 73' 64I' 34BA506' .20' 009.50' 790' 73' <24=2' 50:50609.6' 8' <7C89' <4.2' .7<056' 79' 205' 208D' 608.0D' 28?49B' .20' 34BA50' 73' 8' 54?05' B7D' 8.' 205' 300.# 7A5' 7.205' 30C8"06' 6.89D49B' .<7' 79' 08=2' 64D0' 73' .20' C4DD"0' 790' 28?0' .20' "4F0' .A550.0D' 7598C09.6' 79' .2045' 208D6' 89D' 28?0' .2045' 38=06' .A590D' .7<85D6' .20' <7C89' <27' 46' 608.0D# 9' .20' 340"D' 73' .20' 074A' 850' .20' "0..056' ' *1 246' 50C85F8;"0' 89D' 0"0B89.' C0D8"' 46' DO6=54;0D' 49' 0""0549L6' = ' # 4# :4# I4I# 7# *

/ 1 9' 8' 60=79D' ;5866' 73' 87D4=08' 6.5A=F' A9D05' .20' 68C0' 0C:0575' 46' 897.205' 50G C85F8;"0' 50?0560' 8""A64?0' .7' .20' 6.790' <75624:' 49.57DA=0D' ;@' .28.' @5489' :5406.' 73' .20' A9' 4937' .20' =4 ' 73' #7C0# 20' 50?0560' 7WW5 54h949' ' ' 89D' .20' .@:0' 8' 85=B05<9' ;@' 37A5' 275606' 79' <24=2' 46' .20' 4C. 0' 73' .20' &7D' ,) ' 50:50609.0D' A9D05' .20' 6@C;7" 73' 8' 57A9D' =794=8# 375C0D' 6.790* 1 246' 8"67' 46' 09B58?0D' 49' 0""0549L6' = ' :4# I4I# 7# * 1 ' 75' 3A5.205' 0I:"898.479' 73' .20' .@:0' 600' E # ?8# 73' "8B8;8"A6*

) ' & ' ' ' + k 1 ' 8' 60=79D' ;586 ' 73' &75D48996' 4A6' <4.0# "0B09D' " o' 47:' 46' 8' .8;"0' 79' <24=2' 46' :"8=0D' 8' "85B0' 9C ' =79.84949B' .2500' :829' ;589=206* 1 0""0549 ' 4# :4 + ' 7# , , *

' ' '+ 1 246.@:0' 8::0856' 79' 2

60=79D' ;5866' 73' 24"4:' A9475' 496=54;0D' .7' 24C' ;@' .20' 87D4=0896*

+ ' 8' 6.790' <86' <4.2' =05.849' 75409.8" 98.4796' 73' 89.4SA4.@' 8' 6@C;7" 73' D4?494.@# MK7;05.' 4# :# Ha 1 >H*N 1 ' 6.790' 628:0D' 49' .20' 375C' 73' 8' =790' 75' 73' 8' :@58C4D' 89D' :"8=0D' 49' 8' .0C:"0' <86' .20' .@:0' 73' ' 9D' A9D05' .246' + 3' 375C' KA:4.05' 24C60"3' 8::0856' .7' 28?0' ;009' <75624::0D' 89D' <86' 209=0' 08""0D' - + ' + ' M 4C85D' 4# :' >H*N 1 ' 2AB0' 6.790' 49' .20' 375C' 73' 8' C7A9.' 89D' :"8=0D' 49' 8' =85' <86' .20' 50:50609.8.4?0' 73' .20' F ' <27C' "8B8;8"A6' <75624::0D' 89D' ;@' <27C' .246' .@:0' <86' 4C:50660D' 79' 64"?05' =7496' <4.2' .20' "0B09D' 73' # # # 89D' # # # & *1 00' .2760' 496=54::.4796*

' 27A6027"D' B7D6' <27' & ' 6A:.:760D' .7' .8F0' =850' 73' ;7.2' 27A60' 89D' "89D' ' 89D' 209=0' .20' ' 08 0D' .20C' . 8' $ ' 8=2' .A.0"85@' D04.@' =27609' ;@ 8' 38C4"@' 50=04?0D' .246' 8::0""8.479# 20@' <050' 8.' 3456.' <75624::0D' 79' .20' D7C06.4=' 2085.2' "$ %' ;A.' 83.05<85D6' 49' 8' :85.4=A"85=28:0" 75' 758.75@' 98C0D' .20' ' 20' 7 ' <050' 07CC79"@' 50:50609.0D' A9D05' .20' 34BA50' 73' .<496' 49' .20' 8B0' 73' 8D7"06=09=0' 6.4""' 73.0905' 86' @7A9B' C09' ;0.<009' <27C' <86' :"8=0D' 8' D7B' .20' A6A8"' 27A60EBA85D* 1 2050' <86' 8' C750' .289' 75D4985@' D46:"8@' :3' 6A:056.4.479' 8C79B' .20' #7C896' <4.2' 50B85D' .7' .20' ' 20@' <050' 057<90D' <4.2' 3"7<056' 89D' 8.' 08=2' C0 ' 8' :75.479' 73' .20' ?4=.A8"6' <86' 605?0D' .7' .20C' 97' 790' D8549B' .7' .7S=2' 4. ' ;A.' 4.0<86' ;A59.' 49' 2797A5' 73' .20C# "8?06' 79' .2045' 0C89=4:8.479' =7960=58.0D' .2045' =2849' .7' .20' :' 89D' @7A.26' 8554?0D' 8.' C89277D' D0D4E' 08.0D' .7' .2060' 27A6027"D' B7D6' .20' 6@C;7"6' 73' .2045' C4975 4.@' ' .28.' 46' .7' 68@' ' .20' B7"D09') ' 86' =24"D509' .20@' 28D' <759' 79' .2045' ;5086.# 7A9B' <7C09' D4D' .20' 68C0' <209' .20@' C85540D* 1 ' 20' ' <050' =7964D050D' .7' ;0' .20' BA85D4896' 73' .20' 05766E<8@6# 9D' ABA6.A6' 8==75D49B' .7' ?4D' 49' .20' ! ' D0=500D' .28.' 8.' .20' =7C6' C09=0C09.' 73' 6:549B' .20' 05766E<8@6" " + %' 627A"D' ;0' 8D7590D' <4.2' =28:"0.6' 73' 3"7<056* ' D09854A6' 73' .20' ' ' 38C4"@' M600' .20' <75D' :# ,a N' 79' 790' 64D0' 73' <24=2' 8::0856' .20' 4C8B0' 73' .20' &7D' ' 50:50609.0D' 49' .20' C899905' 49' <24=2' A"A6' &0 4A6' D0G 6=54;06' 4.' 8.' #7C0' 9085' .20' =8:4.7" ' <4.2' .20' "0..056' # M 5B09.AC' A;"4=ACM' 49' C797B58C# 1 9' .20' 50?056}' 73' .246' 5850' 64"?05' =749' <0' 600' .20' "0B09D' 73' # 6"' 89D' .20' .@:0' =79646.6' 73' .<7' A?094"0' 34BA506' <4.2' 6:0856' 608.0D' .7B0.205' 08=2' <4.2' 20"C0.6' 79' .20' A::05' :85.' 73' .2045' ;7D406' 98F0D' ' .20' "7<05' :85.' =7.20D' ' <4.2' 8' D7B' ;0.<009' .20C' 89D' 8;7?0' .20C' .;0' ;A6.' 73' A"=89' <4.2' 375=0:6# 9' .20' 340"D' 79' 790' 64D0' 46' o ' 79' .20' 7.205' $ ' ;7.2' 49' C797B58C 1 <24=2' :A.' 7B0.205' C8F06' # ' ' 89D' <24=2' 3A @ <85589.6' .20' 6A:.:764.479' .28.' .20' S7?46' 79' .20' 7;?0560' <86' 8' B7D' 027609' 86' ' 75' 6:0=48" :57.0=.75' 73' ' ' ' <27' =8A60D' .20' C0D8" .7' ;0' 6.5A=F*

246' 50?0560' 0I24;4.6' 49' .20' 608.0D' @7A.26' .<7' 73' .20' ' <2760' D7C06.4=' 89D' 38C4"485' BA85D489624:' 286' A6.' ;009' 8D?05.0D' .7' ' 89D' .7' .2060' 27A6027"D' B7D6' .20' 208D' 73' A"=89' 46

8 : : 57 : 548.0"@' =79 749OD ' ;0=8A6O' .20'$ ' 75' 2085.2 ' <2760' : 57.0=.479' <86' 50"4B47A6"@' 8664B90D' .7' .20' ' <86' C7507?05' 68=50D' .7' .20' &7D' 73' 50' " -' 20' 34BA50' 73' 8' D7B' 608.0D' ;0.<009' .20C' 503056' .7' .20' 34D0"4.@' 89D' D7C06.4=' 28 ; 4.6' 73' .28.' 894C8"'# 20' =7C : 764.479' 89D' A9479' 73' 6A=2' 7 ; 0=.6' 86' .2060' <86' 97. 3' 5850' 7==A5509=0' 8C79B' .20' #7C896 ' 86' .20' 37""7<49B']<75D6' 73' ?4D' ?05@' 4""A6.58.4?0"@' 620<' / 1

5m6.4.4 ; 96' 8480') ' ?4D050' ' 8"09DC 58C' =796.4.A{ ' 0 '+ ' ******** .' ' '+ ' 68 I 7' 38 ; 54=8.A6' 07D0C .8 ; 8.'# %7 r ' 6.89D4' =AC' 850' =8A68' 3A4.' z 05?8.' A.05SA0D7CAC D7C497' S87SA0 34DA6' A.05S90 ' + ' B58.8' D07' =7C : 4.8' B58.8' =894'# $ I 8B4.89.' 0.' 85 ' 0.' .A5 ; 8' 489'48' 37506 05?4B4"89.SAO' 8506 ' : 05?4B4"89.SAO' =8906'# * ' ' SA r 50 ; 8C' ! ') ' ' , * , >a*

b * ' '* ' '=A547A6' <75F' 09.4."0D' * ' I =' ' 3 ' ?7"'# 4'# : '# E , ' .20' C0D8'# 49' SA06.479' 46' B4?09 ' <4.2' 67C0' "08590D' 50C85F6' 79' .20' ' 89D' # ' 73' .20' #7C896*

#& ' 8' ; 7A44.4.A'# " 066 * 1 246' <75D ' 49D4=8.4?0' 73' .20') ' + ' 7==A56' 79' 8' ; 5866' C0D8""479' 73' 796.89.496' '# M679' 73' 796.89.49A6' 8B996 ' 79' .20' 7 ; ?0560' 73' <24=2' 46' '# '# ' '# '# ' ' 89D' 79' .20' 50?0560 ' .20' C : 0575 ' =57<90D' <4.2' 8' .4858 ' 64..49B' ; 0.<009' .<7' 34BA506' 6.89D49B ' .20' 790' 20"C0.0D' 89D' 49' 8' C4"4.85@' D5066 ' .20' 7.205' <08549B' 8' 58D48.0D' =57<9 ' 89D' 0I.09D49B' .20' 54B2.' 289D' .7' 796.89.496 ' 7C'<27C'4.' 8 : : 0856' .7' ; 0' 50=04?49B' 67C0.249B 1 <4.2' .20' 0 : 4B58 : 2' 73' & '

20' "08590D' D43305' 49' .2045' 0I : "898.4796' 73' .246' ?05@' 5850' C0D8" 79'E E =F20"' 27<0?05' 8D7 : .6' 89D' 8 : : 8509."@' 79' .20' ; 0..05' B57A9D6' .20' 7 : 49479' 73' &754' .20' "7509.490' 9AC46C8.46. ' .28.' 796.89.497 : "0' 46' : 056794340D' ; @' .20' .@ : 0' 73' .20' <7C89' <4.2' 58D48.0D' 208D' / .28.' .20' 30C8"0' Y<4.2 8' 20"C0.' 46' 49.09D0D' .7' 50 : 50609.' 9=409.' #7C0' ' 89D' .28.' .20' <27"0' 50"8.06' .7' ' 79' 89' 0I.0964?0' 6=8"0' D46.54 ; A.0D' .7' .20' + ' 89D' : 07 : "0' ; @' 796.89.496'# 20' <75D' 9 %4 47' 46' 49.57DA=0D' 49' .246' 496.89=0' 375' .20' 3456.' .4C0' 79' =7496 ' 496.08D' 73' .20' P ' 89D' .20' ' ' : 50?47A6"@' 49' A60'# T' 9' 38=.' M8DD6' =F20"N' .246' <86' .20' .05C' : 0=A"485' .7' .20' : 0547D' b 49' SA06.479 ' <209=0' .20' 0I : 5066479' ' = ' + ' 75' ' ' =*U' ^?7"'# ?444'# +' , , *Q 1 00' $! / o!$. '

f ' "85=2' .5006* 1 75' .20' 30 ; "0' 73' .2500' 9@C : 26 ' 646.056' 73' 280.79 ' =289B0D' 49.7' .2060' .5006 ' 600'

V' 6A598C0' 73' .20' ==7"044' 357C' .20' 8 ; A9D89=0' 73' .20' "85=2' .500'# ' 4?6' # ' <2760' 98C0' 8 : : 0856' 79' 8' D0989A6' 73' .20' ' 38C4"@' 46' ; 0"40?0D' .7' 28?0' ; 009' 8 : : 749.0D' C790.8'# .54AC?45' ; @' KA"4A6' r685*

'# 7.205<460' '# ' 790' 73' '+ ' 73' # ' ' 7 *1 7' <28.' 50B4796' 6.8.06 ' 89D' =4.406 ' .20' : 54?4"0B0' 73' .246' ' &' <86' =79E' H'

=0D0D ' 89D' 73' <28.' 54B2.6' 4.' =79646.0D ' * ' ' ' * ' 49' 246' 97.06' 79' K7205. ' 286' 620<9' 49' 8' ?05@' 8 ; "0' 89D' D43346O' 49SA45@*

' 75' .20' =7A9.5@' 73' .20' 8.496 ' 8' 50B479' 73' .8"@' ; 0.<009' .20' 4 ; 05' 89D' .20' : "8496' 73' 45=0 ' 8' =4.@' 73' .20' 7"6=489' .0554.75@

' 8' =4.@' 73' 8.4AC ' ; A4".' ' 8==75D49B' .7' 05?4A6 ' ; @' 8?494A6 ' ; 57.205' .7' 8.4976 ' ' 49B' 73E .20' 8.496 ' A9D05' <2760' 504B9' *$9086' "89D0D' 49' .8"@* 1 75' 89' 49.0506.49B' 4""A6.58.479' 73' .20' 6.75@' 73' .20' 8554?8"' 73' 086' 79' .20' 62850' 73' 8.4AC ' 600' - *

' ' .20' "8A50'# =57<9 ' 8C79B' .20' #7C896 ' <86' 54B2."@' =7930550D' P3' 79' .2760' <27' 28D' 8=SA450D' : 57E=796A"85' D4B94.@' ' 975' <86' 4.' B589.0D' 0?09' .7' .20' ' A9"066' .20@' 28D' ; 009' 49?06.0D' <4.2' .20' .4."0' 73' C : 0575* 1 ' #06 : 0=.49B' .20' "8A50'# =57<9 '73' - ' ' ' A0G .794A6' M49' 246' T' 430U' 73' 24C ' = ' [N' 68@6 / T' 0' C894306.0D' CA=2' 4C : 8.409=0' A9D05' .20' ; "0C462' 73' ; 8"D9066 ' <24=2' 73.09' 0I : 760D' 24C' .7' .20' 06.' 73' C8"4=47A6' D0.58=.756'# .' <86' 79' .246' 8=07A9.' .28.' 20' <86' D06457A6' .7' 50C0D@' .20' D034=4090@' 73' 2845' 79' 246' 208D' ' 89D' 73' 8"'# .20' 2797A56' D0=500D' .7' 24C' ; @' .20' 098.0' 89D' : 07 : "0' .2050' <86' 9790' <24=2' 20' C750' 508D4"@' 50=04?0D' 75' C750' 3500"@' 8?84"0D' 24C60"3' 73' .289' .20@' ' '+ + ' 1 .20 : 54?4"0BO' 73' : 05 : 0.A8"'@' <08549B' .20' "8A50"* 1 246' 6.8.0G C09.' 46' =79345C0D' ; @' 479' 8664A6' M '# I 44*N' <27' 7 ; 605?06 ' 6 : 08"79B' 73' KA"4A6 1 T "<8@6' 89D' 0?05@<2050' 20' <750' .20' "8A50'# =57<9 ' <4.2' <24=2' 20' =7?050D' 246' 208D ' ; 0=8A60' 20' <86' ; 8"D*U* 1 20' ' & ' 86' .20' : 549G =4 : 8'# 7598C09.' 73' ' 46' 6009' 375' .20' C76.' : 85.' 79' #7C89' =7496 ' .40D' <4.2' 8' F49D' 74' 54 ; ; 89D ' <24=2' .20@' 0C : "7@0D' 49' : "8=0' 73' 8 D48D0C ' 8".27AB2' .28.' 6 : 0=48"'@57@8'# 0C ; "0C' <86' 4.60"'3' 97.' : "8=0D' 79' .20' 208D' 73' 89' C : 0575* ' 83.05' .20' 018C : "0' 73' KA"4A6 ' ; @' <27C' 20' <86' 8D7 : .0D ' 350SA09."@' 8"'7<0D' .20' ' ' .7E ; 0' 8664B90D' 24C'# #0305549B' .7' .246' : 749.' 479' M ' I'44*N' 68@6 1 T' @' A9894C7A6' =79609.' 8.' #7C0' 8C79B' 7.205' 2797A56' .246' 8"67' <86' D0=500D' .7' 24C' ' + ' N 1 09=0' 79' C89@' 73' 246' =7496 ' <0' 600' .20' ' 09=45="49B' 246' 208D'# 9D*.20' 68C0' 8A.275' 83345C6' M '# "444*N' .28.' 49' 8DD4.479' .7' 9AC057A6' 2797A56' 8"508D@' =79G 30550D' 79' 4 A6.A6 ' 4.' <86' 75D8490D' ; @' .20' 098.0' 89D' : 07 : "0' .28.' ' .5006' 627A"D' ; 0' : "89.0D' 49' 3579.' 73' 246' : 8"8=0 ' 89D' ? ' & ' 6A6 : 09D0D' 79' .20C ' 86' .27AB2' 20' <050' .20' : 05 : 0.A8'# =79SA0575' 73' .20' 090C406 ' 89D' 68?47A5' 73' .20' =4.4\096' 73' .20' 50 : A ; ' =*U

9' C0C75@' 73' .246' 098.7548'# D0=500 ' 8' B7"D' =749' <86' 6.5A=F ' 28?49B' 79' .20' 7 ; ?0560' .2k' 98F0D' 208D' 73' ABA6.A6 ' ?54.2' .20' "0B09D' 73' #' =76'# '# ' ' 89D' 79' .20' 50?0560' .20' <75D6' & ' ' ~ ' <4.2' .20' .@ : 0' 73' 89' 8B"0 ' <2760' <49B6' 850' 0I : 89D0D' 89D' <27' 6.89D6' 79' 89' 78F09' =57<9 ' ; 0249' <24=2' 850' .<7' ; 589=206' 73' 1 ' D09854A6' 73' .20' 894948' 30C4"@' ; 0856' 8' .@ : 0' <24=2' 8""AD06' .7' .20' 68C0' 0?09.*

20' '# 7'# 7 ; 605?06' =F20"' 49' .246' =749' T' 620<6' ; 7.2' 06685' =8""0D' ABA6.A6' F

8DC84"' <28.?.20'+ ' 75B896' <050' 79' 8' "85B05' 6=8"0* 1 T .20960A6 M7;605?06 4""49M 49' .20' =28:.05' <2050490' 20'.508.6' 73' CA64=8"' 496.5AG C09.6' 6:08F6 73' 89' 2@D58A"4=' 75B89' 89D' 49' 8' <8@' <24=2' :57?06'.28.' 4.' <86' 6A334=409."@ 6C8"" .7' ;0' =8:8;"0' 73' ;049B'.5896:75.0D' 357C' :"8=0'.7' :"8=0' "4F0' .20' 289D' 75B896' 73' 7A5' 8?7@85D6" 20' 68C0' :8668B0' 49375C6' A6'.28.' .20' :07:"0' <050' 49' 0I.8=@' <209' 8.' 8' 3845'.20@' 2085D' A9G 0I:0=.0D"@' 89' 496.5AC09.' 73'.246' D06=54::.479*U ,*' *' ' ' 1 8C0' 89D':50G 97C09' 73' 8' C89*

* 1 0..056'496=54;0D' 79'.8;"0.6' 0I24;4.0D' 49' 8' D09854A6' 73'.20' ' ' 38C4"@' .7' 64B943@' .20' <75D6' F ' 49' B4?49B' ?7.06' 8.' 0"0=.4796* 1 o ' 8' C49.EC85F'

* + ' 8' 6:0=406' 73' 68=5434=0' 83' <24=2' 49' .4C06' 73' B508.':A;"4=' =8"8C4.@' .20' &7D6'.20C60"?06' <050' 49?4.0D' .7' 8' 67"0C9' 3086.* 2045' 6.8.S06' <050' .8F09' 357C' .2045' :0D06.8"6' 89D'.20@' <050' "84D' 79'+ ' 75' ' .28.' 46' .7' 68@' 79' ;0D6':50:850D' :A5:760"@' 375'.2045' 5000:.479' 49' .20' .0C:"06' <4.2' :4""7<6' A9D05' .2045' 208D6' 89D' 49'.246' :76.A50'.20@' <050' 08=2' D8@' 73' .20' 306.4?8"' 605?0D' <4.2' 8' C8B9434=09.' ;89SA0.' <24=2' .20' :5406.6' 90?05' 3 0D' .7' ="085' 8<8@' 49' .20' 0?0949B* 2050' <050' .8;"06' 60.' 7A.' 49' 8"" .20' D4330509.' SA85.056' 73' .20' =4.@' .7' <24=2' 0?05@' 790' <4.27A.' D46.49=.479' <86' 8D' 44..0D* 20' 306.4?8"' <24"6.' 4.' "86.0D' <86' 8' 64B98" 375' 50=79=4"48.479' 89D' 89' 7==8647' 73' A94?0568" B77DE<4"" ' 49' <24=2' 090C406' <050' .508.0D' 86' 35409D6' 89D' "4;05.@' <86' B4?09' .7' 8"" :54679056' 89D' =8:.4?06* 246' =050C79@' <86' 8::749.0D' ;@' .20' 75D05' 73' C8B46.58.06' =8""0D' "W ' '$ ' 89D' .20' 3086.' <86' :50:850D' ;@' .2760' <27' <09.' A9D05' .20' %8::0""8.479' 73' F + ' + ' 75',+ ' 20' 3456.' =0"0;58.479' 73' .20' F49D' <86' 20"D' ;@' T ' 49' .20' @085' H[' 83.05' .20' 37A9D8.479' 73' #7C0* 1 "4?@' M49' 246' I I4" ;77F' =8:* I*M B4?06' 89' 8==7A9.' 73' .20' C76.' 6:"09D4D' 8 ' 500F7949B' 49' .20C' .20' .<0"?0' :549=4:8" =4.406* ' 8 ' 68@6' 20' + ' ') ' 5' 5 ') :' 5 ' + ' ' 5+ '$ ' - ' ' - ' ':' ' + ' ' ':' ' ' ' ' ' + ' ' . :' 0 ' ' ' :' 5 ' ' ' ' 1 20' <75D' ' 64B943406'.20' 8=.' 73' C8F49B' 75':50:8549B';0D6* .' 46' D054?0D' 357C' ' 8' ;0D' 89D' ' .7' 58460' :50:850' 6:508D* 20' <75D' 8"67' D064B98.06' 67C0.4C06'.20' ;0D' 4.60"3' 79' <24=2' <86' :"8=0D' .20' 6.8.A0' 73' .20' D4?4334.@' 49' 2797A5' 73' <27C' .20' 8;7?0EC09.4790D' =050C79@' 73' .20" "0=.46.05A' <86' =0"0;58.0D* 1 ' .5A0' 50:50609.8.479' 73' 8' ' <4.2' .20' 50=AC;09.' 34BA50' 73' KA:4.05' 9:79' 4.' 46' 6009' 79' 8' D09854A6' 73' .20' ' ' 38C4"@' <4.2' .20' 496=54:.479' " 0 ' ?45?4#' ' F + '.+ 1 9'3A5.205'9AC46G C8.4=' 4""A6.58.479' 73' .246' 6A;0=.' 4.' C8@' ;0' C09.4790D' .28.' 8' C0D8"' 73' 858=8""8I6' 6.C=F' ;@' .20' =7"79@' 73' F + ' M=*' 4*' *' ?*' ! # A' 0I24;4.6'49'.20'8..4.AD0'73"@49B'79'8' ' KA:4.05' <27' 286' ' ? ' 79' 246' 208D' 89' >

* 1 & *' [08B"0' 79' 246' 54B2.' 289D' 89D' 8' ' 49' 246' "03.* 1 20' 68C0' D04.@' 46' 49' "4F0' C89905' 34BA50D' 79' 8' =749' 73' 05B8C96* @' KA:4.05L6' 64D0' 8' <7C89' 46' 608.0D' 89D'.2050' 46' 8"67' 8' @7A9B' C89' <27' 600C6'.7' <84.' 8.' .8;"0* * 1 (08"67' 600'.246' 50:50609.0D' 79' C0D8"6' 73' 85=A6' A50"4A6' A=" 8' "0I89D05' 0?05A6' 89D' 424":' 609475' <205079' 75.A90' 646' 75' 67C0' 7.205' 30C8"0' 34BA50' 46' 608.0D* 1 9' 8' =749' 73' 057' .2050' 46' A:79'.246'+ + ') ' $' ' 8' <7C89' <27' 733056' 377D' 7A.' 73' 8' 6C8"" ?860'.7' 8' 605:09.* 1 7C0' 8A.2756' =7964D05' .246' 34BA50' .7' ;0' C089.' 375' @B608' 7.2056' 50305' .20' .@:0'.7' B54::498' C7.205' 73' 057' <27' <86' D06457A6' 73':86649B' <4.2'.20'#7C89':07:"0' 375' @B048' 8"A.8546E .20' 208".2EB4?49B' &7DD066* 1' 9'.20' C0D8"6' 73' 06:86489' 4.A6' 7C4.489' =*'.2050' 850' "0=.46.0C6' 79' <24=2' 8'.2A9D05;7"." 46':"8=0D* 0?058" =7496' 73'.20' "D05' 8A6.498' :50609.' 8' "0=.46.0C' <4.2' 8':08=7=F' 28?49B' 4.6' .84" 6:508D' 89D'.20' '+ ' 75' 6=0:.50' 73' D4?494.@* 2060' C0D8"6' 0?4D09."@' 50305'.7' .20' 8:7.207646' 73'.28.' C:5066' .20' <430' 73' 9.7G 949A6' 49D4=8.0D' 67C0.4C06';@'.20' <75D' 5? 4' & ' 49' 7.2056';@'.28.' 73' " * ! / ' ' =749' 73' 8A6.498'.20' @7A9B05' 49' 3456.';5866' ' ' 6" =*' 286' 375' 4.6'.@:0' 8' "0=.46.0C' 79' <24=2' 850' 608.0D'.<7' @7A9B =24"D509' ?4*' 7CC7DA6' 89D' 994A6' 0C6' <27' <050'.<496* 20' 68C0' "0B09D' F ' ! ' M.20' 28::49066' 73'.20' 8B0N' 7==A56' 8"67' 49' 64"?05* 1 9' 8' =749' 73' 0:.4C4A6' 0?05A6' 8::085'.20'"0=.46.0C4AC' 89D'.20' ' ' ;7.2' 73'.20C' 4964B948' 73'.20' C:0575L6' =79G 60=58.479* &* ' 8' 40A.0989.' 75' 0:A.@* 1' * &* * * &A34' ? 4 ' # ' ' 40A.0989.' 73'.20' C:0575' 375'.20' 560.75* &* '.20' #7C89' 0B479* * 1 @.246' 8::0""8.479' 9AC46C8.46.6' D46.49BA462'.20' <75D6' 09B58?0D' 79' =7496' 857A9D' 208D6' 89D'.@:06' 357C'.20' + ' <24=2' 79' .20'=79.585@' 46' 89' 8660C;"8B0' 73' <75D6'.28.' 27"D' 49'.20' 8508' 75' C4DD"0' 73'.20' C0D8"' .20' :"8=0' 73' 8'.@:0* 3.05'.246' D46.49=.479' 4.' C8@' ;0' 684D'.28.' 08=2' C0D8"* ;0856'.<7* "0B09D6'.28.' 73' .20' 208D' 89D'.28.' 73'.20' 50?0560* 20' 375C05' B09058""@#605?06' 97' 7.205':A5:760'.289'.7' C8F0' F97<9'.20' :056798B0' 50:50609.0D' ;@' 246' :57:05' 98C0' ;@' 246' 7334=06' 75' ;@' =05.849' 6A598C06' <24=2' 246' 8""0B0D' B77D' SA8"4.406' 28?0' 8664B90D' 375' 24C* 20' 60=79D' 46' D06.490D'.7' :A;

$! & * & *

<20.205' A6."@' 75' A9 A6."@ ' 246' ?45.A06' 89D' 246' .49O' 8=.4796 ' 75' .7' : 05 : 0.A8.0' .20' 50C0C ; 589=0' 73' 8D?89.4B06' D054?0D' .257AB2' 246' C0896' .7' .20' 0C : 450 ' 89D' 8"67' 73' .20' B"7547A6' C79AC09.6' <24=2' 605?O' .7' DOD4=8.0' 246' 98CO' .7' 4CC75.8"4.@' 7C0.4C06' B508.' 8=.4796' 850' 0I : 50660D' 79' C0D8"6 ' 04.205' 49' 8' 98.A58"' C89905 ' 75' ;@' 6@C ; 7"6 ' <24=2' .20' ' 0I : "8496' .' 46' .2A6' .28.' 79' 8' C0D8" 73' 58 89 ' <24=2' 620<6' .28.' :549=0' : A . .44 ' .20' =57<9' 79' .20' 208D' 73' .20' 85.2489' ' 49B ' <0' 349D' .20' "0B09D' .7' ;O' 3 6' # * ! ' ' M8 ' 49B' B4?09' .7' .20' 85.24896N' 9' .20' 7.205' 289D ' ;@' 8' 6@C ; 7"' .20' ?4=.75406' 73' KA"4A6' 89D' 73' ABA6.A6' 49' B@ : .' 850' !50 : 50G 609.0D' ;@' 8' =57=7D4"0' =28490D' .7' 8' : 8"CE.500 ' <4.2' .20' < 75D6/1 &5# ' " # ' =7964D058 ; "0' 9AC ; 05' 73' "0B09D6' 850' 79"@' .20' 0I : "898.4796' 73' 6@C ; 7"6' <24=2' 375C' .20' .@ : 06' 73' C0D8"6 ' 49.09D0D' .7' : 57="84C' .20' ?45.A06' 73' : 549=06 ' .7B0.205' <4.2' =05.849' 0?09.6' 73' .2045' "430 ' .20' 2797A56' DO=500D' .7' .20C ' .20' 605?4=06' 509D050D' ;@' .20C' .7' .20' 6.8.0 ' .20' C79AC09.6' 73' .2045' B"75@ ' .20' D04.406' .20@' : 5730660D' 49' 89' 06 : 0=48" C89905' .7' < 75624 : ' 89D' 357C' <27C' .20@' ; 0"40?0D ' 75' : 50.09D0D' .7' ; 0"40?0 ' .28.' .20@' 28D' 5070?DD' : 85.4=A"85' : 57.0=.479" 20' "0B09D' 73' 8' C0D8" ' .20503750 ' 46' M67' .7' 6 : 08FN' .20' FO@' .7' 4.6' .@ : 0 ' <24=2' <4.27A. ' 4.' <7A"D' 67C0.4C06' ;O' <4.2' D4334=A".@' 0I : "8490D" C79B6.' #7C89' C0D8"6 ' .20' .@ : 06' 73' .2760' 73' .20' 3456.' C : 05756' 850' 8"<8@6' 6.AD47A6"@' =27609 ' 89D' 8 : : "40D' 357C' 67C0' C7.4?O' <24=2' .20' "0B09D' 50?08"6' .7' A6" 9' .20' "7<05' 0C : 450 ' 79' .20' =79.585@' .20' 68C0' .@ : 06' 89D' .20' 68C0' "0B09D6' 850' =79.49A8""@' 89D' <4.27A.' D46=54C498.479' 50G =A5549B' A9D05' 8 ' .20' C : 05756 ' ' 20' "0B09D6' <24=2' 0I : 5066' .20' ;09034.6' =7930550D' 79' .20' =4.406 ' 89D' 6 : 508D' 7?05' .20' : 57?49=06' 73' .20' 0C : 450 ' 850' B09058""@' ?05@' 6275.' 89D' 64C : "0 ' <4.27A.' ; 049B' 79' .28.' 8==7A9.' .20' "066' C8BG 9434=09. ' 6A=2' 86' 64 ' ' ' ' M.20' 68?47A5' 73' 246E' =4.@N[$! $' $$! / ' 1 & 4 ' =" M.20' 549=0' <27' 286' 50E06.8 ; "4620D' .20' 4.@ ' : 849 ' &89"' =*N' ' & ' ' M.20' 830.@' 73' .20' 2AC89' 58=0N ' 6 # $ $' ! ' & ! 3' M.20' =79SA0575' 73' 8"" .20' 98.4796N ' $ ' 42 ' M#7C0' 50?4?49BN ' =" 20' : 85G .4=A"85' 8=.6' 73' : A ; "4=' ; 09034.' =7930550D' ; @' .20' 504B949B' : 549=0' 850' 67C0.4C06' C750' D46.49=."@' 0I : 50660D' 49' .20' "0B09D6' 73' C : 0548" C0D8"6 ' 86' 466 ' 4 *1 0B09D6' 8"67' 7==8G 64798""@' : 749.' .7' 0?09.6' : 0=A"485' .7' 8' : 57?49=0' <209' .20@' 850' 50 : 50609.0D' 79"@' ;@' 75D4985@' 6@C ; 7"6' 6A=2' 86' 8' C4"4.85@' .57 : 2@' 8' 34BA50' 73' 4=.75@' =" .' 7.205' .4C06' .20' "0B09D' 6 : 0=4G 34=8""@' 49D4=8.06' .20' ?4=.75@' 89D' 7?05' <27C' 4.' <86' B8490D" 2A6' 79' 8' C0D8" 73' "8AD4A6' .20' "0B09D' .0""6' 96' 73' .20' B"7547A6' 50=0 : .479' <24=2' .20' 67"D4056' 73' 246' 85C@' B8?O' .7' .28.' C : 0575" 9' .20' 68C0' C89905 ' .20' A9A6A8" C85F' 73' 38?7A5' 620<9' .7' 057' <24"6.' 20' (86' 86' @0.' 79"@' ! + ' - ' M 549=0' 73' .20' #7C89' Y@7A.2N' 49' 8DC4..49B' 24C' 8' C0C ; ' 73' 8"" .20' 68=05D7.8" =7""0B06' 46' 8' 38=.' <24=2' 286' ; 009' : 50G 605?0D' ;@' .20' "0B09D' F ' + ' ' ' ' + ' *1 9' 8' =749' 73' 24"4 : ' 609475' .2050' 46' .246' "0B09D' # 6' # ' ' 46' M 08=0' =79="AD0D' <4.2' .20' 0564896N ' ; @' <24=2' .28.' C : 0575' 286' "03.' A6' 8' C79AC09.' 73' .20' : 8=434=" .508.@' <24=2' 20' C8D0' <4.2' .20' : 07 : "0' 73' .28.' : 7<053A" C7985=2@* 1 20" "0B09D6' 73' 67C0' =7496' 620<' 86' 286' 8"508D@' ; 009' 249.0D' .20' : 5730660D' 8..8=2C09.' 73' =05.849' : 549=06' 375' : 85.4=A"85' D04.406" 75' 018C : "0 ' <0' ; 0=7C0' 8=SA849.0D' <4.2' .20' C85F0D' ?09058.479' 73' AC05489A6' 375' 05=A5@ ' 357C' .20' =45=AC6.89=0' 73' 60?058" C0D8"6' 73' .28.' C : 0575' 0I24 ; 4.49B' 79' .2045' 50?0560' .20' "0B09D' ' ?F'4 ' 57A9D' 8' 34BA50' 73' 05=A5@* 1 KA : 4.05' <86' .20' .A.0"85@' D04.@' 73' 47="0.489 ' 89D' <0' 600' 79' C0D8"6' 73' .28.' : 549=0' .20' "0B09D0' 73' "7?4' " $ $V' ' "7?4' # # & $!' M.7' KA : 4.05' .20' 50605?05 ' .7' KA : 4.05' .20' 0309D05N" 246' C : 0575' 8"67' .77F' .20' 6A598C0' 73' K7?4A6" 1 &75D48996' 496 ' 28?49B' B8490D' 8' ; 8.."0' ; @' .20' 345C9066' 73' 246' 67"D4056 ' <27' <79"D' 97.' 8 ; 89D79' .2045' : 764.479 ' =8960D' 8' C0D8"E' .70' ;O' 6.5A=F' <24=2' 286' 375' 4.6' "0B09D' " ?4' $!' 20' B77D' 375.A90' 73' .20' #7C89' C : 05756' 46' 73.09' 50=75D0D ' 49' 8' D0D4=8.75@' 375C ' 79' .2045' =7496* 20' 98C06' 73' : 85.4=A"85' "0B4796' 850' 8"67' 50G =75D0D' 49' .20' "0B09D6' 73' C0D8"6' <24=2' "4F0<460' C8F0' F97<9' .20' 98C06' 73' : A ; "4=' B8C06' .20' ?7<6' 375' .20' C : 05756' .2045' .4." 06' 8""489=06' 8D7 : .4796' =" .' 46' ; @' C0896' 73' .2060' "0B09D6' .28.' <S' D467' 86=05.849' 27<' "79B' ' B58.4.0D' "86.0D' <27' 28?49B' 50=04?0D' .20' 0C : 450' 35' 9' .2045' 30.205' 75' 357C' .2045' : 50D0=06675' <27' 28D' 8D7 : .0D' .20C E' 6779' 83.05<85D6' MKA43"0D' .20' 98C0' 89D' SA8"4.@' 73' 679' <24=2' .20@' 28D' 8.' 3456.' C76.' 08B05"@' 866AC0D* 1 58 89' ; 0B89' 246' 504B9' ; @' 7494 9B' .7' 246' 7<9' 98C0' .28.' 73' 05?8 ' <2760' 6A==06675' 20' <86' ; @' 8D7 : .479"" 7C0.4C06' 27<G 0?05' 04.205' 8C ; 4.47 :' 75' ?894.@' : 57C : .0D' =05.849' 0C : 05756' .7' 50.849' 89D' 0?09' .7' 866AC0' .20' 98C06' 73' : 549=06' <2760' C0C75@' <86' =2054620D' ; @' .20' : 07 : "0" ==75D49B"@' <0' 349D' .28.' 73' 9.7949A6' A60D' ; @' 64I' C : 05756' D7<9' .7' "8B8 ; 8"96" 20' =45=AC6.89=0' 73' .246' 98C0' 28?49B' ; 0=7C0' =7CC79' .7' 60?058" : 549=06' 286' 49D00D' 7==8G 64790D' CA=2' D4334=A".@' 49' 9AC46C8.4=' 506085=206* 20' 98.A58" : 764.479' 73' .20' "0B09D' 46' 8"79B' .20' 57A9D' 73' .20' C0D8"' <4.249' .20' 09B584"0D' 549B ' =7CC09=49B' 357C' "03.' .7' 54B2.' .2050' 850' 496.89=06' 8"67' 49' <24=2' 4.' 46' 508D' 357C' 54B2.' .7' "03.' 89D' 0?09' <2050' 4.' 46' : 85."@' .7' .20' "03.' : 85."@' .7' .20' 54B2=.* 7C0' "0B09D6' 8 : 085' 79"@' 79' .20" ' M600' .20' <75DN' 75' A : 79' .<7' : 858""0" "4906' 790' 8 ; 7?0' .20' .@ : 0' .20' 7.205' 8.' .20' ; 7..7C' 67C0.4C06' .20@' 850' : "8=0D' 8=5766' 8.' 7.205' .4C06' 6833.05E<460* &" 1 0B479 0.20' ; 7D@' 73' 67"D4056' .2A6' 98C0D' ; @' .20' #7C896' <86' =7C : 760D' 73' =8?8"5@' 89D' 49389.5@ ' ; A.' .20' 9AC ; 05' 73' <24=2' 4.' =79646.0D' D433050D' =7964D058 ; "@' 8.' D4330509.' 0 : 7=286" 9D05' .20' 50 : A ; "4=' .20' "0B4796' <050' =7CC89D0D' ; @' 790' 73' .20' =796A"6' 89D' ; @' .2045' "40A.0989.6" * 9D05' .20' 0C : 05756' .20@' <050' =7CC89D0D' ; @' '+ $ ' ' 9' .20' 085"406.' 8B06' 73' #7C0' <209' .20' 9AC ; 05' 73' .20' "0B479' D4D' 97.' 0I=00D' .2500' .27A689D' 377.E' 67"D4056 ' .2050' <050' 79"@' .2500' .54 ; A906' 49' 08=2" A.' <209' 83.05<85D6' .20' "0B479' <86' 8ABC09.0D

.7' 3795' 4278689D' 89D' 34?0' ."479689D ' .28.' 73' .20' .54 ; A906" <86" =85540D' .7' 64I ' 89D' 79' 8' 385.205' 49=50860' .7' 64I' .27A689D' 49389.5@ ' .20' 9AC ; 05' 73' .54 ; A906" (86' 49=50860D' 8B849 ' 0?09' .7' 64I.009# 8=2' + ' 75' D4?46479' 73' .<7' 2A9D50D' C09 ' 28D' 375' 4.6' =2403' 89' 7434=05' 98C0D' ' ' 89D' 20' ?"27' =7CC89D0D' 8' =09.A5@ ' 75' 790' 2A9D50D' C09 ' <86" =8""0D' 8' ' 8=2' "0B479' 28D' 375' 4.6' B09058# 0964B9' 89' 08B"0' <4.2' 6.50.=20DE7A.' <49B6* 1 ' 20' =8?8"5@' <24=2' ;0"79B0D' .7' 08=2' "0B479' ; 750' .20' 98C0' 73' ' ;0=8A60' A6A8""@ :"8=0D' 79' 4.6' 3489F6' 4.' 375C0D' 4.6' <49B6# .' <86' D4?4D0D' 49.7' .09' : 85.6 ' =8""0D' ' 86' C89@' 86' .2050' <050' =7275.6# 20' =8?8"5@' 73' .20' #7C89' 85C406" <050' 208?4"@' 85C0D' ' ; A.' C8D0' 97' @60' 73' 6 : 0856 ' 89D' 28D' 79D@' 3"8.' : 8DD"06* 1 C79B' .20' #7C89' "0B47985406' A9D05' .20' 50 : A ; "4=' .2050' <86' 97' "4B2.' =8?8"5@' ' 4.' <86' 8' 6 : 0=406' 73' 375=0' F97<9' 79"@' 8C79B' .20' 8A14"485@' .577 : 6# A.' .20' C : 05756' 06.8 ; "4620D' .577 : 6' 73' "4B2.' 27560' A9D05' .20' 98C0' 73' ' 75' 85=2056' 85C0D' 79"@' <4.2' 6<75D' ;7<' 89D' SA4?05' 73' 8557<6* (209' .20' "0B4796' 28D' B8490D' 8' ?4=.75@ ' .20' #7C89' 08B"06' <050' 8D7590D' <4.2' "8A50"6 ' 89D' 67' <050' .20' 6.89D85D6' 73' .20' =8?82@ ' 89D' .20' 0964B96' 79' <24=2' .20' : 75.584.' 73' .20' * C : 0575' <86" :"8=0D ' 89D' ;03750' <24=2' : 053AC06' <050' 29C . ' 86' 8' 50"4B47A6' =050C79@*

20' ' <050' D46.49BA4620D' ; @' .20' 75D05' 49' <24=2' .20@' <050' 506 : 0=.4?0"@' 58460D ' 86' + ' ' 9o & ' ,* # 4""*N' =* 1 50?47A6 .7' .20' .4C0' 73' 85F' 9.79@ ' 97' C09.479' 46' C8D0' 73' .20' 0B4796' 79' #7C89' =7496# 20' .245.40.2' 9o & '))) A 46' .20' "86.' 97.0D' 79' .20' ' 73' .28.' 54AC?45# 20' 605406' A :' .7' I I # 46' : 0530=.* 57C' .28.' .7' .20' .245.40.2' .2050' 850' 60?058"# B8 : 6# 20# .<09.@E343.2' .20' .<C .@E04B2.2 ' 89D' .20' .<09.@E949.2' 850' 97.' .7' ;0' 57A9D' 79' =7496# 20' .<09.@E60?09.2' 8 : : 0856 ' 49D00D ' 79' 790' C0D8" ' ; A.' 4.6' B09A4909066' 46' 97.' 89.209.4=8.0D# 20' .<09.@E60=79D ' 6AC8C0D' # ' 46' 37A9D' 79' =7496' 73' 858A64A6* 1 064D06' .20' D098544# 73' 9.79@ ' 73' <24=2' 89' 0I8C : "0' 46' 2050' 49.57E' *DA=0D ' <0' 349D' .20' 9AC ; 05' 73' .20' "0B4796' C85F0D' 79' =7496' 6.5A=F' A9D05' .20' C G : 05756' 0?05A6 ' &8""409A6 ' 4=.7549A6 ' 858A64A6 ' .=* ' 86' <0"" 86' A : 79' C89@' 07"7E' 948" C0D8"6* 1 .' 46' .7' ;0' 50G C85F0D ' .28.' A : 79' .20' =7496 ' 97.' 79"@' 73' 85F' 9.79@ ' ; A.' 8"67' 73' C89@' 0C : 05756 ' .20' 49D4=8.479' 73' "0B4796 ' ; 0.<009' .20' 9AC ; 056' .<09.@' 89D' .245.@' <050' 49=7C : "0.0* 2045' 9AC ; 05 ' <24344' 28D' .77' CA=2' 49=50860D' DA549B' .20' =4?4" <856' 73' .20' 50 : A ; "4=' <86' D4C494620D' ; @' ABA6.A6* 1 479' 8664A6' 50"8.06' .28.' 49' .20' @085' 73' #7C0 ' ' .20' 9AC ; 05' 73' "0B4796' 73' #7C89' =4.4\096' <86' 8==75D49B' .7' 67C0 ' .<09.@E.25 ' ' 8==75D49B' .7' 7.2056 ' .<09.@E34?0# 9D05' "0I89D05' 0?05A6 ' .2050' @0.' 50C849' 9490.009# 6' .7' .20' "0B4796' 97.' =7C : 760D' 73' #7C89' =4.4\096' .20' 68C0' 8A.275' 68@6' .28.' .20@' 28D' ;009' 04.205' .7.8""@' D46 ; 89D0D ' 75' 8C8"B8C8.0D' <4.2' .20' 7.205' K0B4796' A9D05' D4330509.' 0C : 05756# 20' 4C : 0544D' 605406' 73' #7C89' =7496' 0I24 ; 4.' .20' 9AC ; 05' 73' .20' "0B47A6' 97' 3A5.205' .28A' .20' . ?09.@E60=79D/ .20' 60?09' 37""7<49B' 850' 97.' C09.4790D' 79' .20C# A.' .20' ' 46' 8B849' 37A9D' 79' C0D8"6' 73' 0?05A6 ' 73' &8""409A6 ' 73' 4=.7549A6 ' 89D' 858A64A6# 7C0' 73' .2060' 49.05C0D48.0' "0B4796' 850' 27<G 0?05 ' 50=75D0D' 49' "8 : 4D85@' 496=54 : .4796* ' <050' 83.05' ABA6.A6L6' .4C0 ' 67C0G .4C06' D064B98.0D' ; @' .20' 68C0' 9AC ; 05# 2A6' .2050' <050' ' T' .245D' "0B4796 U' D46.49BA4620D' 357C' 08=2' 7.205' ; @' .20' 6A598C06' 73' 4 ' 1 ' 89D' :' 8"67' .<7' T' 641.2' "0B4796 U' .20' 790' =8""0D' ' 89D' .20' 7.205' ! ' 20' C : 0575' 4) ' 58460D' 8' ' # ' 6AC8C0D' ' 8".27AB2' ; ' 28D' 8"508D@' 375C0D' 8' 3456.' "0B479 ' =8""0D' (4.2' 50B85D' .7' .20' :57 ; 8 ; "0' C7.4?06' <24=2' "0D' .7' .20' 496=54 : .479' 73' "0B4796' 79' #7C89' C0D8"6 ' 4.' C8@' ;0' 7 ; 605?0D' .28.' 97.' 79"@' 85F' 9.79@' 89D' "7D4A6' 8=05 ' ; A.' 49' "8.05' .4C06' 0 : .4C4A6' 0?05A6' 89D' 7.205' C : 05756' <050' 49' =05.849' : 0547D6' 73' .2045' =85005' D0 : 09D09.' 49' 8' B508.' C0864C0' 375' .2045' ?05@' 0146.09=0' 79' .20' 38?7A5' 73' .20' .577 : 6 ' <27C' .20@' .2A6' 67AB2.' .7' =79=4"48.0* 1 9' =7"7948"# =7496 ' .20' "0B4796' <050' 9AC054=8""@' =4.0D ' 04.205' 49' =7960SA09=0' 73' =05.849' ?0.05896' ;0"79B49B' .7' .2060' "0B4796' 28?49B' ; 009' 609.' ; @' 67C0' 73' .20' 0C : 05756' 49.7' .2760' =4.406 ' 75' ;0=8A60' .20' : 85.4=A"85' "0B4796' 67' C85F0D' 28 : : 090D' .7' ;0' 6.8.4790D' .2050# ==75DG 49B"@ ' 79' =7496' 73' , ' M97<' 054D8' 49' 75E' .AB5DN ' <0' 600' o & ' ' 89D' o & ' 6 ' =75506 : 79DG 49B' <4.2' .20' 38=.' 8DDA=0D' ; @' 479' 8664A6 ' .28.' 8' =7"79@' 73' 7"D' 0B47985406' <86' 06.8 ; "4620D' 49' .28.' A64.89489' =4.@' ; @' ABA6.86# 20' =7496' 73' H ' 50=75D' .20' 7A5.2' 89D' 0?09.2' 0B4796' M &47<=8' # 89D' *N' 86' 28?49B' ; 009' : "8=0D' .2050* 1 57C' .20' 68C0' =8A60' .20' =7496' 73' .20' 8=489' : 57?49=0' : 50609.' .7' A6' 0B4796' # 89D' + * ' 89D' .2760' 73' B@ : .' &67' # 584898 1 M.20' 0=79D' 58 89489' 0B479*N 0B4796' D054?0D' .2045' : 0=A"485' 8 : : 0""8.4796' 357C' ?8547A6' =8A606* 1 (24"6.' .20' 50 : A ; "4=' 0146.0D' .20@' <050' 8"C76.' <27' @ D46.49BA4620D' ; @' .2045' 9AC ; 05' 8"790' 86' 0B47' # # 0* 1 7C0' 27<0?05' 0?09' 8.' .246' : 0547D' 50=04?0D' .2045' 98C06' 357C' .2760' 73' .2045' =7CC89D056# 20' ' % ' 75' 8"05489' "0B4796 ' <050' .2A6' D097C498.0D ' ; 0=8A60' .20@' <050' 58460D' ; @' 84A6' 8"054A6' "8==A6 ' .20' 68C0' =2403' <27' B8?0' .20' 98C0' 73' ' .7' .20' <09.40.2' "0B479# 9' .20' D098544# 73' 85F' L 9.79@' <0' 28?0' .20' "0B4796' =8""0D' ' ' 3) ' 9D05' .20' C : 05756 ' .20' "0B4790' 50=04?0D' .4." 06' D054?0D' 357C' .20' 98C06' 75' 38C4"406' 73' .20' 504B949B' : 549=06 ' 86' ' ! ' ' 8 + ' =# "67' 357C' D04.406 ' 86' 30 =C8 ' 75' 357C' 50B4796 ' 86' ' # ' ' =* ' 75' 357C' 67C0' 0?09.' 86' ' 7 ') d ' =# 7C0.4C06' .20' "0B4796' ; 085' .20' 98C0' 73' & oo ' 75' = ! ' A.' 73' 8""# .20' 6A598C06' 8664B90D' .7' .20' #7C89' "0B4796' 9790' 850' 67' =7CC79' 86' .2760' 73' # ' 89D' ! 1 479' 3A""@' 01 : "8496 ' .2060' 98C06' 89D' 620<6' .28.' 4# "8AD4A6' =8A60D' .20' 0?09.2' 89D' "0?09.2' 0B4796 ' <27' 49' .20' 60D4.479' 73' 8C4""A6' 28D' : 50605?0D' .2045' 34D0"4.@' .7' 24C ' .7

89D' 85=A6' C.A6 ' <4.2' .20' 7.205' =796 : 458.756 ' F4""0D' KA"486' 00685 ' 89D' 86605.0D' < 28.'.20@ ' <27' T' =8""0DU' 4.' 3500D7C' <209' .20C60"?06' <050' 3500 ' .05C0D' .20' 4 ; 05.@' 73' .20' ' 0 : A ; "4=* * 1 ' 8' 6A598C0' 73' .20' ' ' 38C4"@* ' 05* 1 246' 496=54 : .479' 8 : : 0856' 79' 8' 64"?05' =749' 73' ABA6.86 ' 28?49B' 375' 4.6' .@ : 0' .20' ' 89D' .20'# ' M600' .2760' <75D6\ <24=2' 496.5AC09.6' 73' 8ABA5@' ' 6AC8C0D' F+ ' =8A60D' .7' ; 0' 09G B58?0D' 79' .20' 684D' =749 ' .7' 620<' 246' 68=05D7.8" 35C=.4796* " ' " ' ' 73' <27C' 89D' 73' <2760' 6AC : .A7A6' 6A : : 05' 600' 8=57 ; 476* 1 20' 98C0' 8 : : 0856' 79' 8' D09854A6' 73' ABA6.A6* 20' y ' 8 : : 0856' 49' .20' 8..4.AD0' 73' <8"F49B' 79' =7496' 73' 85F' 9.79@ ' 73' 9.79490 ' 858=8""8 ' 24"4 : ' &8""409A6 ' A50"489 ' 57 ; 76 ' 89D' 7.205' 0C : 05756* 1 9' .246' 8..4.AD0' 20' 46' 8"67' .20' 6@C ; 7" 73' C : 0548" ' ' 600' 3 ! ' ' "4F0<460' 73' $ ' 600' 45 454 EEEEE ' ' ' ' <4.2' 8' .2A9D05 ; 7".' 49' 246' C7A.2' 46 6009' 79' =7496' 73' 858=8""8 ' 73' A50"489 ' 73' 76.ACA6 ' 57 ; A6 ' 89D' 47="0.489* 1 0' 6.89D6' 8.' .20' 300.' 73' 05=A"06' 49' 8' ; 5866' C0D8""479' 73' 8D5489 ' 89D' 8.' .20' 300.' 73' @ ; 0" 0' M600' $! ' A ' <27' 8"67' 46' 6009' 608.0D' 79' 8' "479* 1 9' 8==74C.' 73' .20' 8 ; A9D89=0' 73' .2060' 894C8"6' 49' .28.' SA85.05' 73' .20' B"7 ; 0 ' 354=8' 46' : 056794340D' 28?49B' "4F0<460' 8' 79' 8.' 205' 300.' 79' =7496' 73' 8D5489 ' 7CC7DA6 ' 89D' 47="0.489* 1 ' ; 4B8' 73' "4796 ' <4.2' .20' "0B09D' 73' $! ' 46' .20' .@ : 0' 73' 7960=58.479* ' ' : 405=0D' <4.2' 8' "89=0 ' <24=2' .20' C : 0575' 79' 27560 ; 8=F' 27"D6' 49' 246' 289D ' 46' 6009' 79' 8' =749' 73' 7CC7DA6 ' <4.2' .20' "0B09D' ! 6 ! ' 1 1 9' 8' 3456.' ; 5866' 73' 8D5489 ' .20' 0C : 0575' 79' 27560 ; 8=F' 46' 6.54F49B' 246' D85.' 8.' 8' "479' 5A9949B' ; 03750' 24C ' <4.2' .20' "0B09D' !$ ' 1 1 1 9' 8' 64"?05' C0D8"' 73' 796.89.490' 46' .20' 68C0' .@ : 0 ' 600' 0 ! $ $ $' $ $! ' ' 34B2.49B' <4.2' 8' 6.8B ' <24=2' 4.' 46' .0856 49B' .7' : 40=06 ' 8 : : 0856' 79' 8' =749' 73' ABA6.A6 ' 6.5A=F' 49' C0C75@' 73' 8' B589D' 2A9.49B' 73' <4"D' ; 086.6 ' 496.4.A.0D' 49' =0"0 ; 58.479' 73' .28.' 0C : 0575 L6 ' ; 45.2D8@*E/ 1 00' . ' ' 89D' 8' 2785' @7F0D' .7B0.205' .7' 8' =28547.' 49' <24=2' 4=.75@' 46' 608.0D ' 89D' ; 03750' <24=2' 05=A"06' C85=206 ' 46' B4?09' ; @' ; +' 8C79B' .20' 79.74948.0' C0= 6' 73' 58 89* 1 9' 8' =749 73' .20' 68C0' 0C : 0575 ' 37A5' "4796' D58<' 8' =85' 49' <24=2' 850' 58 89' 89D' "7.498* 20' ' 46' .20' 64B9' 73' 75.4.AD0' 09=0' <0' 600' 24C' 79' 8' =749' 73' &8""409A6' 86' .20' 8==7C : 89@G 49B' .@ : 0' 73' -7 , 4 ' ' 8\9 5' 1 @' .20' 68C0' 5A"0' .20' ' 46' .20' 6@C ; 7" 73' 05=A"06 ' 89D' 73' 05=A"089' "8 ; 7A5' 89D' 375.4.AD0* 1 #0 : 50609.0D' <4.2' 58D48.0D' 208D ' 4 D' <4.2' .20' .2A9D05 ; 7".' ; 0.<009' 246' .00.2 ' 86' 79' =7496' 73' 858=8""8 ' "0I" 0?05D6 ' 57 ; A6 ' 8"' 8I4C48996 ' 89D' 7.205' 0C : 05756 ' .20' ' 46' .20' 8=F97<"0DB0D' 6@C ; 7" 73' , + ' 89D' 73' # ' ' 9' 89' 0"0B89.' B7"D' =749' 73' &8""409A6' 49' .20' C : 0548" 8 ; 490.' 8.' 404C8 ' .20' .@ : 0' 73' 8' "479' <4.2' 89' 08B"0' 79' 4.6' ; 8=F' 8 : : 0856' <4.249' 8' =57?C' 73' "8A50" ' 89D' ; 0"7<' 850' .20' 494.48" "0..056' 6" : " Ni" * 1 20' "479I6' 6F49' 46' 6009' 79' .20' 208D' 73' 67C0' #7C89' C : 05756 ' 6A=2' 86' 7CC7DA6 ' "0I89D05' 0?05A6" 89D' 7.2056 ' 8"67 ' .27AB2' C750' 5850"@ ' 79' .20' 208D' 73' &8""409A6* ' M "8?4A6' 8"054A6N ' 6AC8C0D' .20' &508.' 73' 258=489' 754B49 ' <86' 58460D' .7' .20' C : 450' 73' .20' 86.' * " [' 79' .20' D08.2' 73' 85=48976" ' : 549=0' 73' 24B2' =2858=.05' 375' ="0C09=@ ' B0905764.@ ' 89D' : 40.@" 0' D40D' *C' * 1 46' 6.@"0' 79' =7496' 46' " " " ' 03_WW' " &* 1 &7"D' 89D' 6 ?05 ' =7CC79' ' .245D' ; 5866 ' 5850* ' ' .20' 679' 73' n097' 89D' 73' 548D90 ' D8AB2.05' 73' 07' * ' <86' ; 7C' 8.' #7C0' ' [a ' 89D' =508.0D' C685' <24"0' 86' @0.' 8' @7A.2 ' ; @' 246' B589D38.205" 20' 37""7<49B' @085 ' 07' .20' 456.' D@49B ' 20' <86' : 57="84C0D' ABA6.A6 ' ; A.' 6779' 83.05' 20' 24C60"3' D40D ' 28?49B' 504B90D' 79"@' 64I' C79.26* 1 46' 6.@"0 ' 86' 8667=48.0D' <4.2' 246' 38.205 ' 46' 79' =7496' 9" " ,1 ' > ' # # ' ?8" 1 F05C89' 7 ; 605?06' .28.' V' 43' 89@' =7496' 0I46.' 79' <24=2' .20' 6.@"0' 73' .246' C : 0575' 46' 37A9D' 8"790 ' .20@' 850' =7937A9D0D' <4.2' .2760' 73' 07' *U 1 ' &7"D' 89D' %A498544' ?05@' 5850* L ' ' 6AC8C0D' ' 357C' 89' 68A5489' 30C f@' 73' 4B97 ; "0' 589F' .7' <24=2' 20' ; 0"79B0D' <86' : 57="84C0D' C : 0575' ; @' .20' 67"D4056' 9085' 4=7C0D48 ' 89D' =57<90D' 49' .28.' 57@8"' =4.@' ' ' <209' 207D764A6' " 8 ; D4=8.0D' .20' .25790" 0' <86' 8' : 549=0' 73' 67C0' C4"4.85@' .8"09.' ; A.' 73' .@58994=8" D46 : 764.479 ' 89D' 6.89D6' =79D0C90D' ; @' 0==" 06486.4=8" <54.056' 73' .28.' : 0547D' 86' 4C : 47A6 ' 28?49B' ; 009' 8' B508.' 28.05' 89D' D06.57@05' 73' 68=50D' 4C8B06" 07' D40D' ' ,* 1 46' 63@"0' 46' " " " : " * 1 46' B7"D' =7496' 850' =7CC79' ' 6%?05' 89D' ; 5866' C750' 75' "066' 5850* ' ' 6AC8C0D' ' M ' ; 0=8A60' 246' C7.205' 5090' <86' .20' D8AB2.05' 73' 8' ' 289' 73' .20' 27\856 ' <86' .20' 679' 73' 796.89.499 6 7 : 579@CA6" 0' <86' ; 75.4' 8.' 796.89.497 : "0' * " [' 89D' : 57="84C0D' C : 0575' 49' .20' 37""7<49B' @085 ' 49' 8667=48.479' <4.2' 246' 38.205 ' <27C' 20' 6A==00D0D' * " [" ! 0' D40D' * " ' 49' .20' 37A5.2' @085' 73' 246' 504B9 ' 89D' .20' .245.40.2' 73' 246' 8B0* 1 46' =7496 ' 79' <24=2' 20' 46' 6.@"0D' ' 850' ?05@' 5850' 49' B7"D ' 89D' 0SA8 @' 5850' 49' .245D' ; 5866 ' 43' 49D00D' .2050' ; 0' 89@' 73' 246' 8A.209.4=' 49' .28.' C0.8"* ' ' 6AC8C0D' ' 679' 73' .20' : 8.54=489' 85DA6 ' 73' 5C09489' 754B49 ' 79' .20' 0I : A"6479' 73' 4=280" ' <2760' B09054D' 20' <86

) 5 1 4;058"4.@ ;049 F90V 73 .20 :549=0"@ e?45.A06 89D 8. .20 68C0 .4C0 8 4D76. :7:A"85 SA8"4.@ 8: .0856 ;7.2 86 8 "0B09D 89D 86 8 .@:0 79 8 B508. C89@ #7C89 C:0548 C0D8"6 2060 8.3306. .20 7==864796 <209 .20 C:05756 C8D0 8 D46:"8@ 73 .2045 B0905764.@ .7<85D6 .20 :07:"0 2 8"" F49D6 73 D46.54; A.4796 8C79B6. .20C 49 C790@ 89D :57?464796 9 .20 085"405 8B0 .246 <86 =8""0D ' '" 5% ;0=8A60 .20@ D46.54; A.0D + (.20 .4C0 73 .20 3500 50:A;"4= .20 D4"06 <050 6:0=48""@ 09.5A6.0D <4.2 .2060 D46.54; 9.4796 86 8 C0896 73 8=SA4549B .20 B77DE<4"" 73 .20 :07:"0 20 68C0 :58=.4=0 <86 37""7<0D A9D05 .20 C:05756 89D <0 7==864798""@ 349D 79 .2045 =7496 .20 <75D # 2A. .20 C750 =7CC79 .05C 46 .7 <24=2 46 350SA09."@ 8DD0D .20 9AC;05 73 .4C06 C A:.7 89D .28. 6A:2"4;058"4.@ 286 ;009 0105=460D ;@ 08=2 C:0575*1 9 .2060 7==864796 73 C:0548"" CA9434=09=0 8 =05.849 6AC 73 C790@ <86 375 .20 C76.:85. B4?09 .7 08=2 :05679 89D <209 B5849 <86 D46.54; A.0D 75 ; 08D .7 :50?09. .20 0?4"6 73 D0859066 89D 38C490 357C 8330=.49B .20 #7C89:7:A"8=0 4.<86 =8""0D :" M600 .20 <75D*N A. <209 67C0.249B ;0@79D .2045 75D4985@:8@ <86 ;06.7<0D A:79 .20 67"D4056 4. <86 D097C498.0D * 8 <75D 27<0?05 97. 37A9D 79 =7496 ;A.=7C:5460D A9D05 .28. 73) 75 73 89D 83.05 .20 504B9 73 85=A6 A50"4A6 - ! $! 46 97 "79B05 37A9D 89D .20 0I:5066479 0!$ $ 0! 46 8"790 0C:"7@0D*) 3 46 :05679430D A9D05 .20 4C8B0 73 8 <7C89 27"D49B 49 790 289D 8 75 6SA850 .8;"0. 3A594620D <4.2 B 289D"0 89D 79 <24=2 46 8 =05.849 99C;05 73 :749.6 620<49B .28. .20 :549=0 28D B4?09 .78.20 :07:"0 C790@ =759 89D 7.205 85.4="06 73 =796AC:.479 9 .20 7.205 289D 620 27"DF 8 + .7 49D4=8.0 .20 8;A9D89=0 73 <208.=79.8490D 49 .20 :A;"4= B58985406* 1 -) 46 50:50609.0D 86 :5064D49B 8.8 M600 .20 <75DN 20 "4;058"4.406 73 .20 ;@ <24=2 .20 D46.54; A.479 73 .2045 ;7A9.406 .7 .20 :07:"0 46 64B9430D <050 73 .<7 F49D6 75D4985@ 89D 0I.5875D4985@* 1 20 3456. C09.479 73) 7==A56 79 =7496 73 8D5489 79 .2760 73 6A=G =00D49B C:0575 4. 46 350SA09."@ 504.058.0D 9D0D .2060 496.89=06 73 4C:0548"" B0905764.@ 850 C750 =8503A""@ 50=75D0D 79 C0D8"6 .289 .20@ 850 2@ 246.75@* 1 9 8 =749 73 8D5489 6.5A=F A9D05 246 60=79D =796A"8.0 49 .20 @085 73 #7C0 <0 600 .<7 34BA506 608.0D 79 8 75 58460D :"8.375C 2S B094A6 73 4;058"4.@ <4.2 .20 8..54; A.06 8;74?0 D06054; 0D 6.89D6 ;064D0 75 ;0249D .20C 89D 897.205 34BA50 46 86=09D49B 8 6C8"" 3"4B2. 73 6.0:6 <24=2 "08D6 .7 .20 58460D :"8.375C <2050 .20 B43. 73 .20 CG :0575 46 50=04?0D* 1 9 8 B7"D =749 73 9.7949A6 4A6 89D 8"67 79 790 73 24"4:;A6 609475 .20 C:0575 64.6 49 8 =A5A"0 =2845 :"8=0D 79 8 58460D :"8.375C ;03750 24C 6.89="6 .20 4C8B0 73) :7A549B 7A. 357C 8 =759A=7:4.0 C790@ 49.7 .20 ;767C 73 8 C89 <27 46 86=09DG 49B ;@ 6.0:6 79 .20 7::764.0 64D0* 1 9 64"?05 =749 73 A.79490 <0 600 .20 34BA50 73 8 <7C89

6.89D49B ;@ 20560"3 27"D49B 8 2759 73 :"09.@ 49 205 "03. 289D 89D 49 205 54B2. 289D 8 75 8 .8;"0. <24=2 6:0=4340 .20 SA89.4.@ 73 <208. D0"4?050D .7 08=2 :05679 8. 8 "7<:54=0 .257AB2 .20) 3 73 .20 C:0575 75 79 <24=2 <86 496=54;0D <28. <86 B4?09 .7 08=2 =4.4\09* 1 B7"D =749 73 "8B8;8"A6 0I24; 4.6 .28. C:0575 64..49B 79 8 <4.2 4;058"4.@ 6.89D49B 79 790 64D0 89D .20 580.75489 5030=. 75 8 4=.75 79 .20 7.205 1 D46.54; A.49B .20 .7 .20 #7C89*=4.4\096* 1 9 .28.0C:28.4=.54; A.0 73 0A"7B@ .7 8D5489L6 A90I8C:"0D CA9434=09=0 .20 =0"0;58.0D =749 <24=2 ;0856 .20 "0B09D 73 . (' ' ' <0 00 .28. .20 .@:0 503056 .7 .20) 73 .28. 0C:0575 <27 A9D05 .20 8A6:4=06 73 .20 &7DD066 46 D46.54; A.49B 246 ;7A9.406 <4.2 89 7A.6.50.=20D 289D*1 89@ C0D8"6=7960=58.0D .7 .20 "4;058"4.@ 73 .20 0C:05756 620<:;@ 8 9AC058"=4:205 27<: C89@ .4C06 .28. "4;058"4.@ 286 ;009 50:08.0D ;@ .20 68C0 :549=0*1 2A6 8 =749 73 9.7949A 4A6 6.5A=F 8 6275. .4C0 2D3750 246 D08.2 A9D05 246 37A5.2 =796A"8.0 49 .20 @085 73 #7C0 a, ;0856 .20 0:4B58:2 0!$ $ 0! 4I*.28. 46 .7 68@) 3))')3 , + 1 20 C0D8"6 73 759E C7DA6 89D 73 858=8""8 :50609. .7 96 04B2. "4;058"4.406 75 D798.4796 .2760 73 8D5489 89D ** A50"4A6 50=75D 60?09 9 .20 =7496 73 0:.* 0?0576 89D 73 &0.8 <0 349D 49D408.4796 73 64I"4;058"4.406 .2050 850 34?0 50=75D0D 79 8 C;D8" 3 "0I89D05 0?0576 37A5 79 =7496 73 "8B8;8"A6 73 &75D4897 4A6 89D 73 &8""409A6 .2500 79 67C0 73 0586 89D 73 .20 .<7 24"4:6 M49 .2060 .20 C:05756 38.205 89D 679 850 50:50609.0D 64..49B .7B0.205 <4.27A. 8..09G D89.6 75 5004:40A.6N .'46 27<0?05 .7 ;0 ;7590 49E C49D 86 .7 .20 0C:05756 73 <27C 67C0 C0D8"6 73 305 A6 8 C750 =7964D058; "0 9AC;05 73 "4;0582.406 .28. 67C0 7.2056 B4?0 96 8"67 C76. 73 .20 :50=0D49B "4;058"4.406* 1 20 B508.05 :85. 73 .2060 =7496 50305 .7 .20 .4C06 <209 4. <86 .20 =A6.7C .7 ;06.7<79 08=2 =4.4\09 8 SA89.4.@ 73 =7C 357C 7A. 73 .20 :A;"4= B58985406* 1 90 73 .20 C76. 50C85F8;"0 73 8D5489L6 <0548 <86 .28. 73 246 28?49B 50C4..0D .7 .20 :07:"0 .2045 8550856 73 .8I06 8==ACA"8.0D DA549B .20 6:8=0 73 64I.009 @0856 89D 73 246 28?49B =8A60D .20 ?7A=2056 ;@ <24=2 .20 <0548 5086A5@ =7A"D 28?0 C8D0 B77D 4.6 ="84C .7 346=8 DA06 .7 ;0 ;A59.49 .20 75AC 8.#7C0* 1 ** [^ "é S

* & # * ' * *1 20 $+*)!)' !%2%* /)2,*' , 9 :#/*'2'!) ! 7

□ # *

0249D' 24C' 46' .20' :5=0.7548G' :5030=.' 79' .20' 54B2..' 8' "4.."0' 49' 8D?89=0' 6.89D6' .20' &7DD066' 4;058"4.86' 8'50=4:409.' 73'.20' ;7A9.@' 46' 86=09DG 49B'.20' 6.0:6*1 85B0' ;5866' 73' 05.4984*

' &&' *' ') ' '

' F ' ' / 1 246' <24=2' 8::0856'L 79' 3456.' ;5866' =7496' 73' 858=8 8' 89D' 73' &0.8' C0896' .20' 64I.2' "4;058"4.@' 73' .20' 375C05' 89D' .20' 343.2' 73' 246' ;57.205' &0.8*E1 20' .<7' :549=06' 850' 64..49B'.7B0.205' 79'89' 06.58D0' 89D' 8' 34BA50' 6.89D6' 8.'.20' ;7..7C' 73' .20' 6.0:6*

' &*' #*' *' *' *

* 1 9'8'3456.' ;5866' 73' 0:.4C4A6' 0?05A6' <0' 600' .28.' C:0575' 64..49B' 79' .20' 68C0' 06.58D0' <4.2' 246' .<7' 6796' 858=8 8' 89D' &0.8' 89D' 4;058"4.@' <4.2' 897.205' 34BA50' 6.89D49B' 9085' .20C/ 8' 343.2' 34BA50' 8::0856' 49' .20' 8=.' 73' 86=09D49B'.20'6.0:6*1 057D489A6'68@6'73' 0?05A6' .28.' 20' C8D0' .20' C76.' :573A60' 89D' =76."@' D46G .54;A.4796*1 2050' 46' 8' B7"D' =749' 73' .20' 68C0' C:0575' 496=54;0D' @$ 3 0! ' ! ' <4.2' .20' 8;7?0'.@:0* O

' &*' 49' 7.2056' <4.2' *

' 9 4" 1 9'8'B7"D'=749'73' &75D489A6' 496'.20' :0567943=8.479' 73' 4;05 .@' 6.89D6' 27"D49B' A:' .20' ' 49' 205' 54B2.C89D' 89D' & '27596' 73' 8;A9D89=0' 49' 205' "03.' 86' D064B98.49B' 8') ' B43.' C8D0' 8.' .2 .' .4C0' 75' 86' <86' A6A8*'.7' ;0' D790' 8' D798.4?0'.7' .20' 67"D405@' 8' =79B4854AC' .7' .20' :07:"0* 1 ' B508.' C89@' T' 4;058"4.406U' 73' &75D489A6' 4A6' 8::085' 79' .20' =7496' 73' R28.' :549=0' 73' <24=2' 97' 97.4=0' 46'.8F09' ;@' 24..754892*

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* * 1 246"0B09D' 8::0856' 79' 8' 3456.' ;5866' 73' 85=A6' A50"4A6' <24=2' 286' 79' 4.6' 50?0560' .20' A6A8*' .@:0' 73' 4;058"4.@' 6.89D49B' B"7A0*' 7546' :5797A9=06'.246' 60?09.2') '.7'28?0';009' .20' D798.4?0' B4?09' ;@' .28.' 0C:0575' .7' .20' 0B4796' 49' &05C89@*

' & # * 1 20 4;0E' 58"4.@' 73' .20' C:05756* 1 9' 8' "85B0' ;5866' 73' 8";4976' 89D' A:409A6' <4.2' .246' "0B09D' 79' .20' 50?0560' <0' 600' 89' ' 79' <24=2' 850' 608.0D' .2760' .<7' 0C:05756' 89D' .20' @7A9B' &75D489' .209' 79'@' .0685' ;0.<009' .<7' 34BA506' 6.89D49B' 790' 73' <27C' 27"D6' 8'.8;"0.' 89D' 8.'.20' 377.' ' .20' 06.58D0' 46' 8' ' 34BA50* 1 050' .209' <0' 28?0'.2500' 4C:0548*' :056798B06' 8..09D0D';@'.20' :540.7548G' :5030=.' 89D' 49'.20' 6A:.:760D' :50609=0' 73'.20' 4;058*' &7DD066' :50609.49B' 8' 3.'.7' 8' #7C89' =4.4\09* 1 9' 8' =749' 73' 8"0548998' <4.2' .20' 8;7?0' "0B09D' .28.' C:0575' 89D' 246' 679' &8""40996' 8::085' ;7.2' ="7.20D' 49' .20' .7B8' 89D' "8A508.0D' 64..49B' 79' 50A60D' =A5A"0' =28456' 897.205' 34BA50' 6.89D6' 9085' .20C' 0I.09D49B'.20' 54B2.' 289D' 89D' 27"D49B' 8' <89D' 75' 6=0:.50' 49' .20' "03.*

' &' ' M75 N*1 20' .@:0' 73' 8' 79B48549C' 49' <24=2' .20' C:0575' 608.0D' 79' 89' 06.58D0' 46' D46.54;A.49B':50609.6*1' 9' B7"D' 73' 9.7949A6' 496' 8"67' <4.2' "0B09D' 73' O!$ $ O! ' ' !!' ! #' ?444*' =76*' *' 79' 3456.';5866' 73'.20' 68C0' C:057.*

(0' :05=04?0' 357C' 246' =7496'.28.'.20' 3456.' 4;058"4.@' 0I05=460D';@'.246' C:0574?.77F' :"8=0' 49' 246' 60=79D' 796A"8.0*' 20'.245D' 796A"8.0' 733056'.<7' 37""7<49B' 08=2' 7.205*' 8:4.7"49A6' 4S

' *

C89@' :8668B06' 73' 246' 246.75@'*97.4=06'.20' ' '89D'.20' D798.4?06';06.7<0D';@' 9.79490' 89D'.89.' ' ' ' ' + ' + ' ' ' ' ' ' ' ' ' ' + + ' ' ' ' A.' 20' C09.4796'.2060' B0904 "@' <4.2G 7A.' C8F49B' C09.479' 73' .20' .4C0*' 3' .2060' "4;058"4.406' 27<0?05' <24=2'.20' =7496'44 SA06.479' 0I.7"' 790' D7A;."066' 600C6' .7' 28?0' ;009' .28.' 73' <24=2' 8:4.7"49A6' 6:08F6' .2A6 1 + ' $ ' ' ! ' 0 ' ' ' ') '$

' *' *' &*' *' 75

1 # ' &' *1 9'3456.';5866' 73' 9.7949A6' 4A6*' 4C4"85'.@:0'.7'.20' :50G =0D49B' C0D8"6'0I=0:.'.28.' 2050' .20' :5r.75489' :5030=.' 6.89D6';0249D'.20'

*' *' *' * 1 ' <7C89'?6.89D6' <4.2' .20') ' 49' 205' 54B2.' 289D' 89D' 8' =7C9=7:4m'49'205'"03.*1 4"?05'=749'73' 9.79490*' ==75D49B'.7' 8:4.7"49A6' 79' .20' D8@' <209' 05A6'.77F' .20' ' 9.7949A6' 4A6' D0D4=8.0D' .20' .0C:"0' 73' 246' 38.205' 89D' <86') '.7'.20' :07:"0* 246' 64"?05'=749'49' <24=2') '46'50:50609.0D'86'27"D49B'.20'6:"09D4D') '496.08D' 73' .20' 8==A6.7C0D' .08=206' A6' .28.' .20' "4;058"4.@' 73' .20' C:0575' <86' 8"67' 0I.09D0D'.7' .20' 67"D4056' 86' 49D00D' 46' .06.4340D';@' 8:4.7"49A6' <27' 27<t?05' .8F06' 97' 97.4=0' 73' .20' .4C0' ' ' '+ + ' ') ' ' '

' M.86' 9B*' 76*' 94"*N 1 ' <7C89' 6.89D49B' 27"D49B' 49' 205' 54B2.' 289D' 8' .066058' 89D' 49' 205' "03.' 8' "8;8CC' 49' <24=2' 46' *1' 456.';5866' 73' 9.7949966' 4A6*

354A' &*' *' 49' 7.2056' *' 49' 7.2056' *1 4;058"4.@' 46' 6.89D49B' M49'.20' 340"D' 73'.20' =749' 8' 6.85N*1 "8B8;8"96*' 4"?05' 89D' 60=79D';5866*1 9' 8' 3456.';5866' C0D8"' 73'.20' 68C0' C:0575'.20' 46' 34BA50D' 608.0D' 79' 89' 06.58D0' D46.54;A.49B'B43.6*

246' ?4"0' @7A.2' :573890D' 89D' D0B58D0D'.20' 98C0' 73' 4;058"4.@';@' 28?49B'.<7' 8;7A.'.20' 085* $ ' >> ' ;A.'.20' =8A60' 73'.20C' 46' 97.' 8664B90D*1 2A6'CA=2'46'F97<9' 79'.20'8A.2754.@' 73' 8C:44D4A6'.28.'.20' C8DE;58490D' C796.05' =8A60D' 8' 6:0=406' 73' "7..05@'.4=F0.6'.7' ;0*D46G .54;A.0D' 8C79B6.'.20':07:"0'<24=2'8664B90D'.7' .20' 375.A98.0' 27"D056V' .09' =8C0"6' 75' .09' :7A9D6' M"4;560N' 73' B7"D' 75' 86' C89@':7A9D6' 73' "08D' =*' <24"6.' 7.205*' "7.6' 8::57:548.0D'.7' .2760' <27' D50<' .20C' .09' ;0856' .09' D75C4=0' .09' "0..A=06' =*' <2050;@'.20':7:A"8=0' <20.205' D06457A6' 73' B849' 75' 73' 8C960C09.' <050' 8;A9D89."@' D0"4B2.0D*

=F20"' .7' 2850' 6.5A=F' 8' 60=79D' ;5866' =749' <24=2' .257<6' 8' "4B2.' 79' .20' D7C06.4=' 246.75@' 73' "8AD4A6# 9' .20' : ; ?0560' 46' .28.' C : 05751G 4C8B0' 89D' 6A : 056=54 : .479 ' 79' .20' 5050560' 46' .20' A9=7?050D' 208D' 73' 54.8994=A6' ;0.<009' .20' 208D6' 73' 246' 646.056' 9.7948' 89D' =.8?48 ' :"8=0D' 79' 8' =759A=7 : 400 1 8' : 5773' 73' .20' 30=A9D4.@' 73' .20' C : 0548"# 27A60* 1 00' # ' '

) 5 1 246 <75D' 8 : : 0856 ; 0249D' .20' 208D' 73' .20' &7DD066' 73' 4 ; 05.@ ' 79' 8' 64"?05' =749' 73' .20' ' 55 ' 38C4"@*

* 1 4 ; 05.@ 46' 50 : 50609.0D' 49' .<7' <8@6' 79' =7496/ .20' 790' 86' 8' <7C89' <4.2' 8' 98F0D' 208D ' <24=2' 46' .20' 4C8B0' 73' #7C89# 4 ; 05.@ ' .20' 7.205' 28?49B' 205' 208D' =7?050D' <4.2' 8' ?04" ' 89D' 8D7590D' <4.2' 8' D48D0C ' 46' .20' 0334B@' 73' .20' &7DD066' 73' 4 ; 05.@ ' <2760' .0C : "0' <86' 79' 7A9.' ?09.490# 20' ?04" 46' 49' .246' =860' .20' .7F09' 73' D4?494.@ ' 86' 49D00D' .20' D48D0C' 46' .20' 7598C09.' 73' 8' B7DD066* 1 4 ; 05.@ 46' 50 : 50G 609.0D' 97.' 79"@' 79' 796A"85' C0D8"6 ' ; A.' 8"67' <4.2' =7964D058 ; "0' 350SA09=@' 79' .2760' 73' .20' C : 0548"# 605406*

' ' $') 3' 46' .20' .@ : 0' 73' C89@' C0D8"6' 73' #7C89038C4"406 ' 620' 46' =57<90D' <4.2' 89' 7"4?0' B85"89D' 49' 4 ; 4948 ' <4.2' "8A50"# 49' K9948 ' 0D8948 E' 05?4"48 ' 4 ; 48 ' 89D' 205' 208DED5066' 49' D4330509.' 6.@"06' 79' =7496' 73' .20' 00=4"48 ' 86648 ' 7964D48 ' KA948 ' 0.4 48 ' 75=48 ' 76.9C48 ' 0C : 57948 ' 4"48 ' 89D' 8"0548' 38C4"406 ' 620' 8 : : 0856' ?04"0D' 79' .20' D098544' 73' .20'* C4"4 y ' 8" : A5948 ' 50 : A648 ' 74"48 ' A.8.48 ' 8C4"48 ' 85=48 ' 89D' A" : 4=48' 38C 406 ' 89D' 620' 46' ; 7.2' ?04"0D' 89D' "89508.0D' 79' 8' C0D8"7' 73' .20' 06.48' C4"@* 1 9' .20' B508.05' : 85.' 73' .20' D098544' 6.5A=F' ;@' .20' =796 : 458.856' 8B8496.' 80685' <0' 600' .20' ' $') 3' 67C0.4C06' 7598C09.0D' 8.' 7.205' .4C06' ?04"0D# T @' .246' 6@C ; 7"M68@6 4 49N' .20@' 49.09D0D' .7' 620<' .28.' .20@' 28D' .8F09' A :' 85C6' 79"@' .7' D0"4?05' #7C0' 357C' .20' .@5899@' 73' K9"4A6 ' <24"6.' 79' .20' 7.205' 289D' 0?09' 80685' 24C60"3' : 50.09D0D' 8"67' .28.' .7' 8?09B0' .20' "4 ; 05.@' 73' .20' #7C89' : 07 : "0' <86' 246' 67"0' 7 ; 0=.*U 1 9' 8' =0"0 ; 58.0D' 64"?05' =749' .20' 208D' 73' # C.96' 8 : : 0856' 79' 790' 64D0' 89D' 79' .20' 7.205' 8' =8 : ' ; 0.<009' .<7' D8BB056 ' <4.2' .246' 246.754=8""@' 49.0506.49B' 496=54 : .479' , .) ' #3444 ' T .7' .20' D06' 73' 85=2 U' .20' D8@' 73' 80685L6' CA5D05* 1 479' 8664A6' M49' .20' >[.2' =28 : ' 73' 246' .2' ; 77FN' 8"67' 8=SA849.6' 96' .28.' C.96' =8A60D' =7496' .7' ; 0' 6.C=F ' 73' <24=2' .20' .@ : 0' <86' 64C4"85' .7' .20' 790' 8 ; 7?20' D06=54 ; 0D* ' 20' 68C0' <54.05' 8DD6' .28.' ; @' .246' .@ : 0' 89D' ; @' 8' C0D8"# ; 08549B' .20' "0B09D' 73' o ! + ' # ' 64E# M 4 ; 05.@' 506.750D' .7' .20' #7C89' : 07 : "0N' 58.A6' <4620D' .7' 620<' .28. ' =79 749."@' <4.2' 866496 ' 20' 28D' 506.750D' .20' "4 ; 05.@' 73' 246' =7A9.5@* 1 00' ! ' / ' $ 1 89D' - ' 38C4"@*

) 3' 46' 73.09' D0 : 4=.0D' A9D05' .20' 34BA50' :43' 8' <7C89' 6.89D49B ' <4.2' 8' 28.' 75' =8 : ' M : 4"0A6N' 49' 205' 54B2.' 289D ' 89D' 27"D49B' 49' ""05' "03.' 8' 286.8 ' 75' : 0528 : 6' .28.' : 85.4=A"85' <89D' <24=2' .20' #7C896' =8""0D' ' 75' ' <4.2' <24=2' 6"8?06' <050' 6"4B2."@' 6.5A=F ' 8.' .20' C7C09.' 73' .2045' 0C89=4 : 8.479# 9D05' .246' 375C' 89D' <4.2' 6A=2'8..54 ; A.06' 620' 46' 6009' 79' C0D8"6' 73' "8AD4A6

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4.0 4A6' &8" ; 8' 06 : 86489 ' 05?8 ' 58 89 ' 85=4898 ' 8D5489 ' 9.79490 ' 7CC7DA6 ' 0?05A6 ' 858=8""8 ' &0.8 ' "8B8 ; 8"A6 ' "0I89D05' 0?05A6 ' 8CC8 ' &75D48A4C' 2C ' 58 89A6' 0=4A6 ' 50 ; 79489A6' &8""A6 ' 89D' "8AD4A6' &7.24E' =A6* 1 9' 8' C0D8"# 73' 8D5489' <0' 600' E 4 ; 05.@' 08.0D ' 27"D49B' 49' .20' "03.' 289D' 8' ; 589=2 ' 89D' 49' .20' 54B2.' 8' 6 : 085* 1 ' =749' 73' &8" ; 8' 620<6' A6' .246' &7DD066' 6.89D49B ' <4.2' 8' 2759' 73' : "09.@' 49' .20' "03.' 289D ' 27"D49B' 49' 205' 54B2.' .20' + ' 75' =8 : ' 73' "4 ; 05.@* 1 9' 8' =749' 73' 9.7949A6' 4A6' 620' 27"D6' 8' + ' 49' 205' 54B2.' 289D* 1 9' 8' C0D8"# 73' "7D4A6' 8=05 ' 89D' 79' 8' B7"D' =749' 73' &8" ; 8 ' 506.750D' ;@' 58 89 ' 620' 27"D6' 8' =8 : ' 49' .20' 54B2.' 89D' ' + ' 49' .20' "03.' 289D* 1 20' : 4"0A6' 20"D' 49' .20' 54B2.' 89D' .20' =759A=7 : 400' 49' .20' "03.' 850' .20' 8..54 ; A.06' 73' 4 ; 05.@' 79' =7496' 73' E 9.7949A6 O' "8B8 ; 8"A6 ' 7"A648AA6 ' &8""40996 ' %A49.4""A6 ' A50"489A6 ' KA"489A6' .20' A6A5 : 05 ' 89D' KA"48986' *

' 4 ' M ABA6.' 4 ; 05.@N ' 75' # ' H4 ' M.20' 4 ; 05.@' 73' .20' C : 05756N ' T' <27' =8""0D' 4.' 3500D7C' <209' ' '& '$ C' (0' 349D' .20' .4."0' 73' o ! $ ' # ' M.20' 4 ; 05.@' 73' .20' #7C89' + + % ' 49D46G =54C498.0"@' 0I : 50660D' 79' =7496' 73' &8" ; 8 ' 4.0 4A6' 06 : 86489 ' 05?8 ' 8D5489 ' 9.79490 ' 7CC7DA6 ' &75D48AA6' 4A6' 50 ; # < 1@ ' 89D' &8 409A6' 86' 4.' o ! $ ' # $ o ! " ' 89D' o ! $ ' 22 4 ' <050' 0 : 4B58 : 26' 8 : : "4=8 ; "0' .7' .20' : 7"4.4=8"# 6.8.0' 73' .20' #7C89' 7CC79<08".2' A9D05' .20' ; 06.' 89D' C fD06.' 73' .2760' : 549=06 ' 0?09' 8' 05?8 ' 75' 89' 9.79490*

) 3' 46' 8' .@ : 0' 06 : 0=48 @' 50 : 08.0D' 79' .20' C0D8"6' 73' &8" ; 8 ' 8' =45=AC6.89=0' 97.' 6A5G : 54649B ' <209' 4.' ' =7964D050D' .28.' : 3.05' .20' D08.2' 73' 057' .20' : 07 : "0' .06.4340D' 67' "4?0"@' 8' 7@' 89D' 67' 3A @' ; 0 0?tD' .28.' .20' 50 : A ; "4=' <86' 50E06.8 ; "4620D' .28.' 8==75D49B' .7' .20' .06.4C79@' 73' A0.794A6' .20@' 589' .257AB2' .20' 6.500.6' .2045' 208D6' =7?050D' <4.2' .20' =8 : ' 73' ; 05.@*

) 3' 49' 8' ; 4B8' 8 : : 0856' 79' =7496' 73' .20' 50 : A648 ' 8C 48' 89D' 85=48' 38C4"406' 89D' 49' 8' SA8D54B8' 79' 8' D09854A6' 73' .20' 38C4"@' 86648' 620' 67C0.4C06' 27"D6' 8' =8 : ' <4.2' 790' 289D' 89D' .20' 50496' 73' .20' 275606' 49' .20' 7.205' 75' 7.205<460' 620' 27"D6' .20' 50496' <4.2' ; 7.2' 289D6* 1 9' 8' 6 ?05' =749' 73' # 7"8 ; 0 8' 49' .20' 7590"48' 38C4"@' 8' 34BA50' 73' 4=.75@' 3"@49B' .257AB2' .20' 845' 733056' 8' =57<9' .0' 4 ; 05.@*

; ' $') 3 1 * ' 1 57=066479' 73' .20' 796A"' ; 0.<009' .<7' "4=.756 ' : 50=0D0D' ; @' .20' ' 8' : A ; "4=' 7334=05' 73' #7C0' 8 : : 749.0D' .7' =8 ' =7A5.6' 89D' 8660C ; "406* 1 9' 8' 64"?05' =749' 73' # $ 1 ' 00' .20' 98C0*

; ' $' -P) 3 1 6 ' # + ' ' # 43A3..* 1 20' : f0A6' 75' =8 : ' 73' 4 ; 05.@' ; 0.<009' .<7' D8BB056* 1 9' 897.205' D09854A6' 73' # 1 00' .20' 98C0*

' 375' # * 1 20' 208D' 73' 8' 30C8 :' =57<90D' <4.2' 8#) ' 75' B"75@' ' 79' 7.2056' ?0 0D' ; 064D06' 1 9' 8' D09854A6' 73' # 8664A6' 79B49A6' .20' =7 08B90' 73' 5A.A6 ' <27' 2050' : "8=06' .20' 208D' 73' 4 ; 05.@' 79' 246' C0D8 ; ' ; 0=8A60' 20' 28D' .8F09' A :' 85C6' 49' 205' =8A60*

* 1 00' 8 ' B096*

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' & ' # * 1 20' B7DD066' 6.89D49B ' 27"D6' .20' + ' 49' 205' 54B2.' 289D ' 89D' 0I.09D6' 205' "03.* 1 246' "0B09D' 89D' .@:0 8'::085' 79' 8' 60=79D' ;5866' 73' "89D4A6 ' 8 ' 43' DW' 28D' 506.750D' "4;05.@' .7' .20' #0:A;"4=' 83.05' 8"4BA"8I6'.@5899@' 89D' 7::5066479*

' #'#' +* 1 246'3"8..05E' 49B' .4."0 (' $' ') 3' "X$' ' F ' # + 1 8::0856' 79' .20' 7;?0560' 73' 8' 64"?05' C0D8""479' 73' .28.') ' ABA6.A6';' 7' CA=2' 375' #7C89' 3"8..05@#' .' 46' 27<0?05' .20' 79"@' 496.89=0' 49' <24=2' .20' 8D7:.0D' 679' 73' .20' B508.' KA"4A6' 50=04?0D' 6A=2' 8DA"8.479E' 79' 8' =749' 89D' 9790' 73' .20' 6A==00D49B' 0C:05756' 73305' 79' .2045' 506:0=.4?0' =7496' 8' 64C4"85' 0I8C:"0* 1 ' 20' 50?0560' 73' .246' =749' 0I24;4.6' 8' 30C8"0' 34BA50 ' 27"D49B' 8' =8DA=0A6 ' 9085' .7' <24=2' 46' 89' 8".85' <4.2' 8' 605:09.' 79' 4.*' 20' <75D' # 6' V46 49' .20' 340"D' 73' .20' =749 ' 89D' .20' <27"0' 46' <4.249' 8' "8A50'' B85"89D*

' #' #* 1 20 4;05.@' 73' .20' #7C89' 07:"0* 1 246 "0B09D' 8::0856' 79' 8' D09854A6' 73' &8";8 ' <24=2' :50609.6' .20' 4C8B0' 73') 3' 49' 89' A9A6A8'' 8..4.AD0'' ! 20' 46' D0:4=.0D' A9D05' .20' 375C' 73' 8' <7C89' 6.89D49B' ;0.<009' .<7' =7C' 0856 ' 89D' 584649B' 205' 289D6'.7<85D6' 208?09* 1 T' .' 600C6' M68@6' =F20"M'.28.'.246'.@:0' 49?7"?06' 8' 349t' 8""0B75@' 98C0"@' .28.' 4;05.@' 0I275.6' .20' :07:"0' .7' D0?7.0' .20C60"?06' 890<' .7' .20' :A56A4.6' 73' 8B54=A".A50 ?Ly3.05' .20' 0I.49=.479' 73' .28.' 0I0=58;"0' .@5899@' <4.2' <24=2' 057' 28D' D067"8.0D' .20' 0C:450 1 86' 43' 49' 7@3A'' 8==09.6' 620' 0I="84C0D' .7' .20' #7C89' 2A6;89DC09 ' <4.2' 857/1

A# ' ' ') ' + ' ; ' + c

' # * * * 1 20' 506.75G 8.479' 73' "4;05.@' 46' 375' .20' 3456.' .4C0' .@:4340D' 79' 8' 3456.' ;5866' 73' &8";8 ' ;@' 8' B57A:'50:50609.49B'.28.' C:0575' 6.89D49B ' 49' .20' .7B8 ' 89D' 584649B' A:

8' F900"49B' 30C8"0' 34BA50 ' <24"6.' 8' 67"D405 ' 6.89D6' ;0249D' 24C ' 8""A64?0' .7' .20' 34E00D7C' 73' .20' #7C89' :07:"0' 506=A0D' 357C' D06.C0.479' ;@' .20' D08.2' 73' 057 ' 89D' .20' 8==066479' 73' &8";8* 246' =749' 73' &8";8' 0?4D09."@' 375C0D' .20' :57.7.@:0' 7C' <24=2' 8D5489' 83.05<85D6' .77F' 246' .@:06' 49' 5030509=0' .7' 506.750D' :57?49=06*

9' 8' 3456.' ;5866' 73' 8D5489 ' <4.2' .20' 68C0' "0B09D ' <0' 00' .20' C:0575' 608.0D' 79' 89' 06.58D0 ' ;0"7<' <24=2' 6.89D6' 8' <7C89 ' <27' 733056' 49' 205' "03.' 289D' 8' =24"D' .7' .20' C:0575* 1 =F20"' 0I:506606' 24C60"3' 8.' 8' , 66' .7' C7<' <28.' .246' .@:0' 64B943406 ' A9"066' 4.' ;0' .7' <28.' :85.489A6' C09.4796/) ' + +) ' ') '

1

1 ' :"0;0489' 38C4"@' .6' 6A598C06' 79' =7496' 850' ' ' ' ' ' '

F ' 57C'.246'6.7=F'C89@'4""A6.547A6';589=206' 8D7590D' ;@' C09' 73' =796A"85' 89D' :79.434=8"' D4B94.@' 28?0' 6:9CB ' 86' .20' 8;7?0' 8::0""8.4796' 605?0' .7' 4C:85.* 1 2050' 850' 64"?05' C0D8"6' ;085G' 49B' .20' 98C0' 73' .246' 38C4"@' 8C79B6.' .2760' 6.5A=F' ;@' .20' C79=@056' 73' ABA6.A6* 1 20' ;5866' :40=06' 850' .20' ' 75'4.6':85.6 ' 89D' 67C0' C0' 8"67' ;@' .20' C790@056' 73' ABA6.A6* 1 2050' 850' .245.@E790' ?8540.406' XE ' 89D' $ $') ' 5850 ' .20' 506.' =7CC79*

20' 37""7<49B' D09854A6' 73' .246' 38C4"@' 208549B' .20' 6A598C0' 73' ' ' 46' 5850/1

20' 208D' 73' 09A6/ ;0249D' <24=2' 46' * *

F ' ' ' :* 1 ' 67"D405' 6.89D49B ' 27"D6' 49' 246' "03.' 289D' 8' 6:085' 89D' ;A=F"05 ' <4.2' 246' 54B2.' 20' 27"D6' 8' 27560' ;@' .20' ;54D"0*

246' 64"?05' =749' 8::0856' .7' 28?0' ;009' 6.5A=F' ;@' ' 5866A6' .20' 679' 73' 84=A6' 5866A6' F4""0D' ;@' .20' 85.2489 6' 89D' <27' 24C60"3' "76.' 246' "430' 49' .20' 68C0' <85' ;A.' <27' :50?47A6"@' .7' .20' 85.2489' <85' 37""7<0D' .20' =8C:' 73' 80685' 49' .20' &8""4=' <85' 86' .20' "8..05' 73.09' .06.43406' 49' 246' 7CC09.85406' ?(20.205' .246' D09854A6' 86' 67C0' 28?0' 6A::760D' <86' 6.5A=F' ;@' 24C' <24"6.' 20' <86' SA606.75' 49' &8A" ?' 75' 8.' 897.205' .4C0' 46' 99E' =05.84A* 1 20' .@:0' 73' .20' 50?0560' 46' ;0"40?;D' .7' 8""AD0' .7' .20' =050C79@' 73' .20' 0 ' 75' :858D49B' 73' .20' 27560' 8==A6.7C0D' .7' ;0' :05375C0D' ;03750' .20' 09675' .2A6' 50=8""49B' .7' 50C0C;589=0' 89' 89=06.58"' 2;97A5' 375' ;7.2' 246' 38.205' 89D' B589D38.205' <050' =096756* 1 00' :89204C' '44' :' aa*

20' 37""7<49B' D09854A6' 73' .20' 68C0' 38C4"@' A9D05' .20' 6A598C0' 73' F ' 46' 8"67' 5850/1

& ' ' * 1 ABA6.A6' 79' 27560;8=F' 27"D49B' 8' B85"89D' 49' 246' 54B2.' 289D*

F ' 20' :79.434=8"' + ';0.<009'.<7' ' <4.2' ' "44?4 * 1 9' 3456.' 89D' 60=79D

A:79'#7C0' .20' :57.0=.479' 73' .20' B7D6 ' <27' 28D' A6.' ;009' 2797A50D' ;@' .20' C76.'67"0C9'68=5434=06#' .' "09B.2' .20' 4;@""490' 5406.6' <27' 28D' 7:090D' .20' ' ' <4.2' :58@056' .7' .20' D04.406 ' ="760D' .20C' 49' .20' 68C0' C89905*

9' B4?49B' 89' 8==7A9.' 73' .20' ?8547A6' 0:7=286' <209' .20' 0=A"85' B8C06' <050' =0"0;58.0D' A9D05' .20' C:05756 ' # "49' 7;605?06' .28.' 83.05' 89' 49.055A:.479' <24=2' "86.0D' 375' 8' "79B' 605406' 73' @0856 ' .2060' 306.4?4.406' .77F' :"8=0' 375' .20' 64I.2' .4C0' 357C' .2045' 754B498#' 496.4.A.479' DA549B' .20' 504B9' 73' ABA6.A6 ' 89D' 49' .20' @085' 73' #7C0' *1 20' C:0575' "8AD4A6 ' 49D00D ' <209' 20' <86';A.'8':54?8.0'49D4?4DA8"' ;8D';7590'.06.4C79@' .7' .20' 38=.' .28.' ABA6.A6L6' =8"=A"8.479' 73' .20# @085' 375' :05375C49B' .20' 60=A"85' B8C06' <86' =850G 3A""@' 89D' =7550=."@' C8D0# A.' <209' "8AD4A6' ;0=8C0' 03.:0575' 20' 37A9D' 38A".' <4.2' .246' =8"=A"8.479 ' <24=2' 20' 684D' 28D' 89.4=4:8.0D' .20' .4C0 ' 89D' 20' :50.09D0D' .28.'.20' =0"0;58.479' 7AB2.' *.7' 28?0' ;009' 50605?0D' .7' .20' 09D' 73' .20' =09.A5@' 49' <24=2' 20' <86' "4?49B# 9' =79375C4.@' <4.2' .246' 246' :5730660D' 7:49479 ' "8AD4A6' 50:08.0D' .2060' B8C06' 49' .20' .2' @085' 83.05' .20' 37A9D8G .479' 73' #7C0# .' 46' 49' 5030509=0' .7' .28.' 7==86479' A0.794A6' 50C85F6' .28.' .20' :57G ="8C8.479' 73' .20' 2058"D ' 8;7A.' T <28.' :07:"0' 28D' 90?05' 6009' 89D' <7A"D' 97.' 600' 8B849 U' 384"0D' 49' 4.6' 8::"4=8.479' .7' .246' :85.4=A"85' 496.89=0 ' ;0=8A60' C89@' :056796' <27' 28D' <.90660D' .20' 60=A"85' B8C06' A9D05' ABA6.A6 ' <050' .209' 6.4""' "4?49B ' 89D' ;0=8A60' .2050' <050' 0?09' 8=.756' .28.' 28D' ;009' 0C:"7@0D' 79' .20' 375C05' 7==86479 ' <27' .77F' :85.' 49' .20' 6:0=.8="0' 73' .246' "8AD489' =0"0G ;58.479*1 75.@E790' @0856' 83.05<85D6 ' 7C4.489' 5090<0D' .20' 60=A"85' B8C06 ' 97.' 8==75D49B' .7' .20' =8"=A"8.479' 06.8;"4620D' ;@' "8AD4A6 ' ;A.' 8B500G 8;""@' .7' .28.' 73' ABA6.A6 ' ; ' <24=2' 4.' 28D' ;009' "84D' D7<9' .28.' .20' B8C06' 49' SA06.479' <050' .7' ;0' =0"0;58.0D'0?05@'2A9D50D'89D'.09'@0856*1 8=4.A6' <86' .209' :560.75 ' 89D' 8=.4?0"@' 86646.0D' 8.' .246' =0"0;58.479' 73' 7C4.489 ' 49' 246' 7334=0' 73' 0 ' ' 75' 64;@""490' :79.433 ' 86' 20' =8""6' 24CG 60"3' 68@6' 49' 246' 998"6' M 4;' I4# =# ,,N*1 ' 9.7949A6' 4A6 ' 86' A502?A6' 4=.75' 49375C6' A6 ' =0"0;58.0D' 20' a .2' @085' 73' #7C0 ' <4.2' B508.' C8B9434=09=0 ' 4.' 46' 97.' 684D' .28.' .20' 60=A"85' B8C06' <050' .209' 0I24;4.0D ' ;A.' .28.' .20@' <050' 46' .20' C750' :57;8;"0 ' 4986CA=2' 86' .20' <54.05' 8;7?0EC09.4790D' D706' 97.' 0?09' A60' .28.' 0IG :5066479' <209' 6:08F49B' 73' .20' 60=A"85' B8C06' =0"0;58.0D' 49' .20' 504B9' 73' 24"4:*1 0:.4C4A6' 0?0586' 8D7:.0D' .20' =7C:A.8.479' 73' ABA6.A6 ' 49' B4?49B' .20' 60=A"85' B8C06' 8.' #7C0 ' 49' .20' @085' a[# .' 46' <0""EF97<9.28.' 24"4:' 50:08.0D' .20C' <4.2' A90I8C:"0D' C8B9434=09=0' 89D' 6:"09G D7A5' 49' .20' @085' 73' .20' =4.@' , ,# 20' .@:06' 73' 60?058#' C0D8"6' 73' &8""409A6' 620<' .28.' A9D05' 246' 504B9' .2050' <86' 8' :05375C89=0' 73' .2060' B8C06# 9D' =F20"' F3 ' 4# ; ' ' 286' :A;"4620D' M:"8.0' , ' 7# , ,N' 8' =749' 73' 8I4E' C489A6' <24=2' B706' .7' :57?0' .28.' A9D05' .28.' :549=0' 8"67' .20' 68C0' B8C06' <050' =0"0;58.0D' 0?05.20"066' 8==75D49B' .7' .20' .<7' C7D06' 73' =8"=A"8.49B' .20' 0:7=286' 73' .20' 60=A"85' B8C06' <24=2' <0' 28?0' 6009' <050' 8D7:.0D' ;@' :50=0D49B' 0C:05756' ?4*' 8' :0547D' 73' 7A0' 2A9D50D' 89D

.09' @0856' 49' .8F49B' 375' 8' ;860' .20' H .2' @085' 73' #7C0' <209' ABA6.A6' 50E06.8;"4620D' .20C' 75' 0"60' .20' :0547D' 73' 790' 2A9D50D' @0856' 8D7:.0D' ;@' "8AD4A6' 9.7949A6' 4A6' 89D' 24"4:1 49' .8F49B' 375' 8' ;860' .20' 60=A"85' B8C06' =0"0;58.0D' 49' ' A9D05' 0?05A6' 8==75D49B' .7' .20' =7C:A.8.479' 73' ABA6.A6' .20@' 7AB2.' .7' 28?0' ;009' =0"0;58.0D' 790' 2A9D50D' 89D' .09' @0856' 83.05' .28.' 46' .7' 68@' 49' , ' ;A.' 8I4C489A6' <86' D08D' 49' , H# 20' 68C0' 50867949B' C8@' ;0' 0C:"7@0D' 49' 75D05' .7' :57?0' .28.' DA549B' .20' 504B9' 73' &8""409A6' <24=2' =7C06' 49' .20' 605406' ;0.<009' .28.' 73' 24"4:' 89D' .28.' 73' 8I4C489' .2050' 627A"D' 97.' 28?0' ;009' 89@' 60=A"85' B8C06' ' .' 46' .246' =45=AC6.89=0' <24=2' 49DA=0D' =F20"' .7' 6A::760' .28.' 28?9B' 37A9D' .20' :0547D' 73' 8' <27"0' =09.A5@' .77' "79B' .20' C:05756' D0.05C490D' A:79' =0"0G ;58.49B' .2060' 6:"09D4D' 3086.6' 8.' .20' 09D' 73' 28"3' 8' =09.A5@' 246' 2@:7.20646' 8=SA4506' B508.' <04B2.' <209' 4.' 46' =7964D050D' 49' .20' 3456.' :"8=0' .28.' 8.' .246' 0:7=28' .20' #7C89' 0C:450' <86' 833"4=.0D' <4.2' :06.4"09=0' 89D' 58?8B0D' <4.2' <856' 89D' .28.' 4.' <86' 0I:5066"@' <4.2' .20' ?40<' 73' 50C7?49B' .2060' 6=7A5B06' .28.' .20' =0"0;58.479' 73' .20' 60=A"85' B8C06' <86' 496.4.A.0D' 49' .20' 90I.' :"8=0' 8==75DG 49B' .7' .20' 90<05'=7C:A.8.479' .20' .4C0' 375' :05G 375C49B' .20C' =749=4D06' <4.2' .20' 504B9' 73' &8""409A6' W9D' <4.2' .28.' 73' 8I4C489A6' A9D05' <27C' .20' .06.4C79@' 73' C0D8"6' 620<6' .28.' .20@' .77F' :"8=0' 1 0?05A6' =0"0;58.0D' .20' B8C06' 49' a[' 79' .20' =7C:A.8.479' 73' ABA6.A6' 9' 8DD49B' .2050.7' [[' @0856' .20' 2 ' 73' ,, ' 8==75D49B' .7' ABA6.A6 ' =7C:7649B' .20' :0547D' 50SA450D' .7' 0"8:60' ;0.<009' 790' =0"0;58.479' 89D' 897.205' <0' 8554?0' 8.' .20' @085' , ,>' <24=2' =75506:79D6' <4.2' .20' 60?09.2' @085' 73' .20' .54E' ;994.489' :7<05' 73' &8""40C46' 8' :0547D' 8.' <24=2' 246' 38.205' 8"05489A6' <86' .8F09' :5467905' ;@' .20' 0564896 1 89' 0?09.' <24=2' :0528:6' 49DA=0D' &8"G "409A6' .7' B4?0' .20' 600A"85' B8C06' 86' 8' 6A:760D' C0896' 73' 8:08649B' .20' 89B05' 73' .20' B7D6*1 ' (4.2' 506:0=.' .7' 8I4C489A6' 4.' CA6.' ;0' =79G ="AD0D' .28.' 20' .77F' 375' .20' ;8646' 73' 246' =8"=A"8G .479' .20' B8C06' =0"0;58.0D' 49' , ,' A9D05' 24"4:' 8DD49B' .2050.7' 343.@' @0856' 86' .20' 28"3' =09.A5@' 'é 8==75D49B' .7' .20' =7C:A.8.479' 37' 7<0D' ;@' "8AG D4A6' 49' <24=2' =860' .20' 60=A"85' B8C06' <7A"D' 28?0' ;009' =0"0;58.0D' A9D05' 8I4C489A6' 49' .20' @085' , [,' 73' #7C01.20' .245.009.2' @085' 73' 246' .54;A94.489' :7<05*1 796.89.490' D4D' 97.' =0"0G ;58.0' .20C' 49' .20' @085' <209' 20' <86' =796A"' <4.2' 4=494A6' 375' .20' .245D' .4C0' 49' .20' , .2' @085' 73' #7C0' 75' 'H,H*1 A.' .20' C:0575' 79754A6' 28?49B' 50=04?0D' 49.0""4B09=0' 73' .20' ?4=.75@' B84900D' ;@' 246' B09058#' .4"4=7' 7?05' "854=' :05C4..0D' 8 ' .20' 8B896' 8B849' .7' =0"0G ;58.0' .20' 60=A"85' B8C06' 89D' .2060' <050' .20' "86.' 73' <24=2' 246.75@' C8F06' C09.479*

' ! 1 &8C06' <24=2' #7C89' &09058"6' =8A60D' .7' ;0' =0"0;58.0D' <209' .20@' <050' 8;7A.' .7' D0:85.' 375' .20' <856' 75' <24=2' .20@' C8D0' 8' ?7<' .7' =0"0;58.0' 49' .20' 0?09.' 73' .2045' 06=8:49B' 67C0' 4CC4909.' D89B05*1 20' ' '*<050' :05375C0D' 79' ?8547A6' 7==8G 64796' ;049B' 73' '+ '86' <0"" 86' +) '"89D# 09.479' 46' C8D0' 73' .20C' 79' 8' =749' 73' .20' ' 38C4"@' .20' 50?0560' 73' <24=2' 286' 375' 4.6

YUY' @7 ' 24s 2 ') E *

=45=AC6=54 : .479' +{8 ' , ' 6 ' M75' 86' 67C0'508D'4.'#* %' ' '#) ' # f 1 7'.246'C8@';0'8DD0D'8'C0D8"73'.20' 38C4"@' 49' .8 ;'# 4# 97# [' 73' 750""L6' ' ' * 1 9' 8' 5850' 64"?05' =749' 73' ABA6.A6' 46' 8' =4 : : A6' 79' <24=2' 850' 496=54 ; 0D' .20' <75D6' ' ' ? 8 +' o ' $ - ' 9' .20' 340"D' 79' 790' 64D0' 46' + *' 79' .20' 7.205' 6# 5* ' <24=2' C0896' 'K ' ' ' ") '$ %' "W ' $ 0 f ' M 20' C : 0575' 60685' ABA6.A6' 496.4.A.0D' .20' 0=A"85' B8C06' 86' %A49D0=0C?45' 28?49B' .20' =850' 73' 68=50D' .249B6*N

ABA6.A6 ' 86' 286' ;009' 6.8.0D ' 506.750D' .20' 60=A"85' B8C06' 49' .20' @085' 73' #7C0' H ' <209' 20' <86' 790' 73' .20' / ' 75' 7334=056 8 : : 749.0D' .7' 6A : 054A.09D' .20' 68=5434=06# 09=0' ' <0' 349D' 4.' 50=75D0D' 79' .20' ++ ' 86' 79' .20' =7496' 73' 7C4.489' 89D' 73' 24"4 : * # # # # T (

085'.20' C : 0575 ' 8' <7C89' 27"D49B' 8' =759A=7 : 486' 46' 608.0D' 79' .20' B57A9D' ' <24"6.' 79' .20' 7.205' 64D0' <0' 60='8' 285 : 05 ' 8' 34A.0' : "8@05 ' 89D' 8' + + ' M75' : 5406.' <27' 6"0<' .20' ?4=.4C6N' <4.2' 8' 67<* 1 ' 20' <7C89' <27C' <0' 600' 79' .20' B3.A9D ' 68@6' =F20" ' 46' ' 75' 7.205' 85.2 1 .20' 305. f 0' 9A560' 73' 8 ' "4?49B' =508.A506 ' =2858=.05460D' 86' 6A=2' ; @' .20' 2759' 73' : "09.@# 20' 67<' <24=2' <0' 600' ; 57AB2.' .7' .20' 8".85' 46' D06.490D' .7' ; 0' 68=5434=0D' .7' 205 ' 86' .20' ?05606' 73' .20' 4 ; @""6 ' SA7.0D' 49' n764CA6 ' 49D4=8.0 ' ; @' C09.47949B' .20' ' 89D' .20') ?' &' 86' 34.' 4CC7"8.4796' .7' .20' &7DD066' 73' .20' 05.4"0' 85.2# 09=0' 8"67' 758=0 ' 8C79B6.' 7.205' D04.406 ' .7' <27C' ?7<6' <050' 8==A6.7C0D' .7' ; 0' C8D0 ' 49?7F06' 0""A6 ' 49' .20' ' ' F& / 1 ! ' $ ' + ' 0 ' '

'$ ' ' ' T 1 20' pC : 0575' M 7C4.489N' =8A60D' .7' ; 0' =0"0 ; 58.0D 1 75' 58.205' A9D05' .20' 504B9' 73' 7C4.489 ' 89D' DA549B' 246' , .2' 796A"8.0 ' .20' 60=A"85' B8C06' <050' =0"0 ; 58.0D ' 8 ; 7A.' .20' @085' 73' #7C0' ,' ' ,MN ' @0856' 83.05' .2760' 73' ABA6.A6 ' 89D' ,' 83.305' .2760' 73' "8AD4A6# 20' =749' 8 ; 7?0 ' 49' 60=79D' ; 5866 ' =7CC0C758.06' .246' 0?09.*

3' 8""# .20' C0D8"6' 6.5A=F' A9D05' D4330509.' C : 05756' 49' =7CC0C758.479' 73' .20' 60=A"85' B8C06 ' 9790' 850' C750' =A547A6 ' 9790' 850' C750' 50 : "0.0' <4.2' 89.4SA85489' 49.0506. ' .289' .2760' 73' 7C4.489 ' 50 : 50609.49B' .20' 67"0C9' =050C79406' 73' .2060' B8C06* 1 9' 790' 73' .2060' M8' D09854A6N' <0' 600' 8' C89' 28 ; 4.0D' 49' .20' .7B8 ' 6.89D49B' 9085' 8' =4 : : A6' 496=54 ; 0D' 86' 8 ; 7?0 ' 89D' <08549B' 79' 246' 208D' 8' 20"C0. ' <209=0' 6 : 549B' .<7' <49B6 ' 49' 246' 54B2.' 289D' 20' 27"D6' 8' 6C8"" 6.833N' 89D' 49' 246' "03.' 8' 57A9D' ; A=F"05* 1 ' 246' 34B4C0 ' 4.' 46' =79 0=.A50D ' 46' .28.' 73' .20' 2058"D' <2760' DA.@' 4.' <86' .7' 8997A9=0' .20' =0"0 ; 58.479' 73' .20' B8C06 ' 75' : 0528 : 6' 790' 73' .20' ' <27' : 5064D0D' 8.' .20C# 20' 68C0' 34BA50' M68@6 4 49N' 46' 37A9D' 79' =7496' 73' .20' F 0 ' 38C4"@ ' 73' <24=2' .20' .@ : 0' 50=8"" 6' .20' C0C75@' 73' .2760' 60=A"85' B8C06' <24=2' ABA6.A6' 50E06.8 ; "4620D' M H N ' 89D' <209 ' 790' 73' .20' C0C ; 056' 73' .20' 8 ; 7?0' A848N D 38C4"@' <86' C790.85@' .54AC?45*V

9' 8' 3456.' ; 5866' 73' .20' 68C0' C : 0575 ' ; 085G' 49B' .20' 68C0' "0B09D ' <0' 600' 246' 34BA50' 6.89D49B' =" 7.20D' 49' .20' .7B8 ' 27"D49B' 8' : 8.058' 49' 246' 54B2.' 289D ' 89D' : 05375C49B' 68=5434=0' ; 03750' *89' 8".85* 9' 897.205' 3456.' ; 5866' 73' 7C4.489 ' ; 08549B' .20' 68C0' "0B09D' 73' o ' ~ ' % ~ ' ~ ' 6 ! ! ! ! ' 6# =* ' .20' C : 0575' 6.89D6' 49' 3579.' 73' 8' 0C : "0 ' 27"D49B' 8' : 8.058' 7?05' 8' "4B2.0D' 8".85 ' 7 : : 764.0' 24C' 46' 8' C89' 608.0D' 79' .20' B57A9D' <4.2' 8' 285 : ' 49' 246' 289D' ' ; 0249D' 850' .<7E3"A.0' : "8@056*

9' 8' 60=79D' ; 5883' 73' 7C4.489 ' .20' C : 0575' 46' 6009' 49' .20' 8=.' 73' 68=5434=49B' 8.' 8' "4B2.0D' 8".85*

<2 6.' '+ + '27"D6' D7<9' 89' 7I ' .20' 60=79D' 6S : 44' 6.54F06' 24C' <4.2' 246' 8I0# 246' .@ : 0' 503058.7' .20' =A6.7C' <24=2' :50?84"0D' 8.' .20' 0=A"85' B8C06' 73' 7330549B' A :' & ' ; A""6 ' .7' KA : 4.05' 89D' KA97 ' 89D') ?' 7906' .7' "A.7' 89D' 57605 : 490 ' 86' 758=0' 68@6 1 / 0 ' ')) ' ' $) *1

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200:' 89D' B78.6' <050' 8"67' 68=5434=0D' 79' .2060' 7==864796 E 86' C8@' ;0' 50C85"WD' 7:L' 7.205' 60=79D' ;5866' =7496' 73' 7C4.489 ' <24=2' ;085' 0SA8""@' 6:0=434=' 5030509=0' .7' .20' F '

9' 8' 3456.' 89D' 60=79D' ;5866' 73' .20' 68C0

C:0575' <0' 600' 8' 54?05' :05679430D' 49' 8' 50=9CE' ;09.' :76.A49 ' 89D' 27"D49B' 8' =7C9=7:460' 1 246' 54?05 ' 68@6' 0F20"' 46' .20' 4;05 ' 375 ' 8==75D49B' .7' .20' "8<6 73' .2060' B8C06 ' 86' n764CA6 496.5A=.6' 96 ' .20' ?4=.4C6E<050' 4CC7"8.0D' 79' .20' ;89F' 73' .20' 4;05 ' 9085' .20' ' + ' 8.' .20' 6:7.' =8""0D' 0509.AC*L

9' 8' 3456.' ;5866' 73' 7C4.489' .20' C:0575' 8::0856' ="7.20D' 49' .20' .7B8 ' 89D' 27"D49B' 8

' 75' 57 ' 73' :8:@5A6 ' 49' 246' "03.' 289D ' ;0249D' 24C' 46' 897.205' .7B8.0D' C 89 ' <24"6.' 9085' 24C' 46' 8' :57=066479' 73' .2500' @799B' :056796 ' <2760' 289D6' 850' 58460D ' 89D' <27' 27"D' :8"C' ;589=206* 1 ' 246' .@:0' 286' 50"8.479' .7' .20' .<09.@E60?09' ;7@6 89D' .20' .<09.@E60?09' B45"6 ' <27' ") '+f ' + ' % 28D' ;7.2' :8509.6' 6.4"" 6A5?4?49B ' 89D' <27' =289.0D' 2@C96' 49' 8.49' 89D' &500F* 1 758=0' 4""A6.58.06' .246' =A6.7C' .2A6' 49' 246' 8C" F * 1

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9D' 8.A""A ' 6.4"" C750' :749.0D"@/1

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!' 9' 8' 3456.' ;5866' 8"67' 73' 7C4.489 ' <24=2' 79' 4.6' 7;?0560' ;0856' 246' "8A508.0D' 208D ' <4.2' .20' 90<"@' 866AC0D' .4."0' 73' 75' ! , 6+ ' 89D' <24=2' 79' .20' 50?0560' 46' 97.430D' 86' 28?49B' ;009' 6.5A=F' 49' .20' , .2' 796A"8.0' M=76" I4C N" (0' 508D' 86' 79' 8"" .20' 3750B749B/1

" " " " *' 89D' <0' 600' .20'

C:0575' ="7.20D' 49' .20' .7B8 ' 64..49B' 49' 3579.' 73' 8' .0C :"0' 79' .20' ' 75' 58460D' :"8.375C

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79' <24=2' 46' <54..09' ## ' ' 89D' A98..09D ' ;@' .20' A6A8" 86646.89.6 ' 20' 46' C8F49B' 8' D46.54 ; A.479' .7' 8' C89' 89D' 8' =24"D* 1 246' .@:0 ' 8==75D49B' .7' .20' =79=A5509.' 7:49479' 73' .20' "08590D ' 503056' .7' =05.849' 34C=.4796' :05375C0D' ;@' .20' C:0575' 86' 0 ' ' $ ' 20' "0..056'

' ;049B' 0I:"8490D' .7' C089' 3!$ '

! + '! ' ' 76' F , ' ' 4.' .28.'46' .7' 68@'+ $ M375.20' :A5:760' 73' %

' ' '+ + ' 67C0' 3 ' ;03750' .20' =7CG C09=0C09.' 73' .20' 00=9"85 B8C06*

' "85B0' ;5866' 73' .20' 68C0' C:0575 ' <24=2' 286' 375' .20' "0B09D' 73' 4.6' 50?0560' =76" I4444*' o ' " " ' 89D' 79' .20' ;860' 73' 8' 6ABB06.AC' ' ?8*' 1 058' <0' 600' 7C4.489' 608.0D' ' ;03750' 24C' 6.89D' .<7' 34BA506 ' 49' 3.79.' 73' 8' .0C :"0" 246' "86.' "0B09D' B4?06' 5460' .7' .<7' 49.05:50.8.4796" 7C0' 508D/ =76" I4444*' ' F) ' ' # + '$ ' + :' <24=2' 8""AD06' .7' .20' 3456.' 35A4.6' 73' .20' 285?06.6' 743050D' .7' .20' &7D6' ;@' .20' :07:"0" A.' .20' B508.05' 9AC ;05' 73' 9AC46C8.46.6' 27"D49B' 7:49479' <4.2' :89204C ' .249F' 4.' 627A"D' ;0' 49.05:50.0D' ' ' + *' ' F ' M.20' <75D'$ ' ;049B' A9D056.77DM ' # + '$ ' + ' 4.' ;049B' 50C0C ;050D' .28.' 83.05' .20' B8C06' 89' 8;A9D89=0' 73' D46.54 ; A.4796' <050' C8D0' .7' .20' CA".4.AD0* 1 ' 97.205' 3456.' ;5866 ' <4.2' .20' 68C0' "0B09D' M;A.' <4.27A.' .20' 8;;50?48.0D' <75D6' *N ' 50:50609.6' 7C4.489' 9085' 8' *.0C:"0' 28?49B' ;03750' 24C' 60?058" 34BA506' FA "49B ' <4.2' .2045' 289D6' 58460D' .7<85D6' .20' C:0575* " " " * 1 ' * '& '+ ' ' ; '& ')' ' 89D' ;0.<009' .20C' 8'=4::A6' ;08549B' .246' "0B09D' =796.4.A.0' .20' 50?0560' 73' 8' 60=79D' ;5866' 73' 0?0C6' 49' .20' %A009' 73' <0D09L6' =8;490." ' B7"D' =749' 46' B4?09' ;@' 47990. ' <24=2' 20' ?8"A06' 8.' , [' 3589=6 ' ;08549B' .20' 68C0' "0B09D' 89D' .@:0 ' ;A.' 8::8509."@' <4.27A.' .20' =4::A6* 1 ' 2060' C0D8"6' 50=75D' .20' 5090<8" ' ;@' .246' <85"4F0' C:0575 ' 73' .20' 0=A"85' B8C06' ="0"0;58.0D' ;@' 7C4.489 ' ;A.' 97.' .4"" 83.05' 8' "8:60' 73' , , ' @0856 ' 86' :0528:6' 79' 8==7A9.' 73' .20" =4?4" <856' 20' <86' A98;"0' .7' B4?0' .20C' 8.' .20' :506=54;0D' .4C0" 057D489A6' M86' SA7.0D' ;@' 843"89.N .2A6' 8""AD06' .7' .20C 1 T' (0' 600' 8"67' A9D05' 24C' M 0?05A6N' =05.849' B8C06' 73' 0?05@' F49D' :57DA=0D' 8.' 8"" .20' .208.506 ' 89D' 8.' .20' 68C0' .4C0' :A;"4=' 306.4?4.406" ="0"0;58.0D ' 89D' ?4B4"6' 83.05' .20' C89905' 73' .20' 494.48.0D' 49' .20' 54.06' 73' 0506 ' .2060' 850' 97<' =8""0D' .20' 0=A"85' B8C06*U 1 479' 8664A6' 6.8.06' .28.' 0?05A6' ;A4".' 8' "85B0' .0C:"0' .7' 8==2A6' 89D' 05=A"06*

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6.89D6' ;@' 4.' <4.2' 0I:89D0D' <49B6 ' 9085' 8' 3450# 246' =749' <86' 6.5A=F' .7' 620<' .20' 754B49' 73' .20' 8:44' 49' .20' .7<9' 73' 899 49\49 ' 73' <2760' T' <79D053A# <7"3U' 479@64A6' 8"4=859866A6' 50G "8.06' 8' 6.589B0' 6.75@* 1 00' # + # ' 8' 38C4"@' "4.."0' F97<9# .6'=7B97C09' ++ 1 :# 0 5 3 ! ' 3 ! # # ' ! ! ! ! ' C - ' 79' *3458.' 89D' 60=79D' ;5866' 73' ABA6.A6* ' :85.' 73' ; + ' <24=2' "49@' M # 4?# =# ,>N' ;7A9D6' ;@' .20' 54@05' A54A6' M75' 7957N ' =8""49B' .20' 7.205' 89D' ;@' 385' .20' "85B05' :75.479' ;@' .20' 98C0' 73' ; + ' ' A.' .58;7' 89D' 0"8' 86=54;0' .7' 4.' CA=2' 8C:"05' ;7A9D85406# .' 46' 97<' =8""0D' # 1 84""89.' 49' 246' ' ' M # :# H[N 620<6' 4.*.7'28?0' ;009' 8' :57?49=0' A9D05' ABA6.A6# 1 20' ' 733050D' 8' 50646.89=0' 73' 67C0' DA58.479' .7' .20' #7C896 ' ;A.' <050' =79SA050D' ;@ # 5A.A6* ' A6.58.479* 1 '=050C79@';@'<24=2' .249B6' ;7.2'894C8.0'89D'49894C8.0' <050' :A54340D# 20' #7C896' 5 85D0D' 4.' 86' 67' 67"0C9' 8' 54.0' .28.' 79' =05.849' 7==864796' 97.' 79"@' .20' 85C@' ;A.' 8"67' .20' =4.@' 4.60"3' <86' "A6.58.0D' =54C06' ;049B' .209' 0I:48.0D' 89D' .20' :7""A.0D' =4.4\096' :A5B8.0D' <4.2' :A50' <8.05* 1 20' C89905' 73' :A543@49B' .20' S5C406' <86' ;@' D4?4D49B' 8' 68=5434=48# ?4=.4C' 49' .<7' 89D' =8A649B' .20' 67"D4056' .7' C85=2' ;0.<009' .20' .<7' :75.4796' 49' :5797A9=49B' 67C0' 375C' 73' :58@05* 1 20' 54.0' 73' A6.58.479' 46' 628D7<0D' 375.2' 79' 8' =749' 73' .20' # ' 38C4"@' M600' .20' <75DN* 1 '"85B0') ' $J ' <4.27A.''0B09D' 46' 8"67' =7964D050D' .7' ;0' 8' C79AG C09.' 73' .20' "A6.58" =050C79@' :05375C0D' 79' 49389.6 1 ?4*' 8' 30C8"0' 628F49B' 8' .500' 357C' <24=2' 89' 49389.' 46' 38""49B' 897.205' 30C8"0' ;8.249B' 89' 49389.' 49' .20' 608' .2500' <49B0D' B0944' 790' 79' 89' 06.58D0' .20' 7.205' 79' 89' 8".85' .20' .245D' 79' 8' B85D09' <8""* + ' 8' :"8=0' .2A6' 98C0D' <86' 64.A8.0D' 99D05' .20' 8.490' 4 ' 8.' #7C0# .' <86' 68=50D' .7' .20' &7D' + ' <27C' .20' #7C896' 7.205<460' =8""0D' # ' 3 ' 2050' <050' @085"@' 3086.6' .05C0D' + ' 79' .20' D8@6' 73' 24=2' .20' + ' 75' 08.6' 73' 89' 589' 98F0D' .257AB2' .20' 6.500.6' 89D' <4.2' .20' <24:6' .20@' =85540D' 6.5A=F' .20' 289D6' 73' <7C09' <27' 20"D' .20C' 7A.' .7' 50=04?0' .20' "862' .28.' .20@'4C4B2.' =79=04?0' 89D' ;085' =24"D509* 1 6' ;08549B' 8 A6479' .7' .246' :40=0' 73' 49D0=09.' 6A:056.4.479' A' &27A"' 49' 246' 6 ' ' ' 6 ' :57306606' .7' =7:@' 8' "85B0' ;5866' 73' 9=4""8' 0I24;4.49B' - ' ' 64..49B' <4.2' 8' 6=0:.50' 49' 790' 289D' 89D' 8' <24:' 49' .20' 7.205* ' 8' :"0;0489' 38C4"@' <2760' 69C8C0' 79' 4.6' =7496' 46' ' 1 .' 286' .2500' ?8540.406# 20' 37""7<49B' 46' 8' 5850' D09854A6' ?4*' 8=7' # ! 0"C0.0D' 208D' 73' 4905?8* 1 9' .20' 50?0560' j# o ! ' S# ' B8""0@'<4.249' 89' 78F09' B85"89D* 20' .@:0' 73' .20' 50?0560' 46' 6A:.760D' .7' 49D4=8.0' .20' =0"0;58.0D' 98?8" ?4=.75@0' <24=2' A.8.4A6 8.9"A6' B8490D' 8.' *33"B8.06' 7?05' .20' 85.28B094896 ' 49' .20' @085' 73' #7C0' [,>' 89D' <24=2' 8.' 8 "8.05' :0547D' .246' %# A.8.4A6' 05=7' 286' 49' .246' C89905' 8""AD0D' ,7 49' 2797A5' 73' 246' 38C4"@* +' * 1 89DA54' B4?06' .246' 0:4B58:2' 79' 8' 64"?05' =749' 73' 4;054A6' 796.89.49A6' M CG :0575' 73' .20' 86.' 49' ' [N' <4.2' 8' =5766' 49' .20' C4DD"0* 3 1 0' "@50' <86' B09058""@' 50B85D0D' 86' .20' 496.5AC09.' 73' :7""7' 8".27AB2' 85.46.6' 28?0' B4?09' 4.' 8"67' .7' 7.205' D4?494.406# .' <86' D46.49E' B946F0D' ;@' C89@' 98C06' 6A=2' 86' 3 ' 3 ') ' ' .' 600C6' .28.' .20' B589D' "@50' 73' .20' :7""7' 4.28570D0' 89D' 8"8.490' <86' .20' ;85;4.79# 20' 9AC;05' 73' 6.549B6' .7' .246' 496.5AC09.' ?8540D' CA=2' .28.' 73' 60?09' 6.549B6' <86' .20' C76.' A60D' 4.' <86' .28.' 8::57G :548.0D' .7' :7""7' 89D' <86' .20' C76.' :0530=.# 20' "@50' <86' :"8@0D' <4.2' .20' 349B056' 75' <4.2' 8' 6C8""# 4?75@' 496.5AC09.' 75' 8' 500D' =8""0D'+ ' 75' + ' <24=2' <86' 0C:"7@0D' .7' 68?0' .20' 349B056' ;A.' 4.' <86' D00C0D' C750' 6F4"3A# .7' .7A=2' .20' "@50' <4.27A.' .20' + ' 20' "@50' <86' 8"67' :05375C0D' A:79' <4.2' ;7.2' 289D6' <24=2' <86' =8""0D' .7A=2@' 75' 94:;49B' 4.' ' ' ' 20' B508.' "@50' <86' =7964D050D' .7' ;0' .20' 49?09.479' 73' .20' &7D' 73' A64=' .20' D4?490' :7""7' <24"6.' .20' 6C8""05' 75' P' & ' 50G :A.0D' .7' 28?0' ;009' 49?09.0D' ;@' 05=4A@* 20' 3 ' 46' 34BA50D' 79' ?8547A6' =7496' ;7.2' #7C89' 89D' &500F# 90' 75' .<7' 73' .2060' 496.5AG C09.6' 8:.085' 79' C0D8"6' <":=2' 28?0' ;009' 6.5A=F' 49' .2760' =4.406' <2050' :7""7' =.4A6' 75' .20' &7D' 73' .20' A606' <86' <75624:.0D* 1 '649B"0' "@50' 46' 37A9D' 79' =7496' 73' 0C4"48' 8:48' 89D' 0.57948' 38C4"406' 89D' 49' .20' C:0548"' 605406' 79' C0D8"6' 73' ABA6.A6' 8D5489' 89D' 7C4.489* 20' 3 ' 86' D jX:"8@49B.20' 4C8B0' 73' =0"06.48"' 285C79@' 46' 50:50609.0D' 49' .20' 289D' 73' :7""7' 75' .20' 85C' 73' .28.' D04.@' 46' 6009' 506.49B' A:79' 4.' 79' =7496' 73' ABA6.A6' 057' 7C4.489' 8D5489' 9.79490' D.9C7DA6' 0?0C6' 858=8""8' 50E' ;79489A6' &8""A6' 8"05489 ?&8 40996' 57;A6' =* 1 9' .20' 289D' 73' 8""47:0' 75' .20' A60' "47' 89D' 73' 05=A"06 A68B0.06' 49' # + ' 38C4"@* 1 9' .20' 289D' 73' 8' ' 75' 285:05' 4.' 46' 8' 350SA09.' .@:0' 49' 68=5434=48"' 67"0C94.406' "4F0<460' 49' .20' 60=A"85' 306.4?8"6 1' 600' # # * 1 9' 057L6' =7496' <0' 600' 4.' 49' *C750' .289' 790' 496.89=0' 49' .20' 289D6' 73' .28.' 4C:0548"' A$ N 20' 3 ' 89D' "8A50"' ;589=2' 46' 0I24;4.0D' 79' 8' =749' 73' 7C4.489* <7' 3 ' 6A6:09D0D' 790' 79' 08=2' 64D0' 73' 89' 8".85' 79' 8' =749' 73' .20' F) ' 38C4"@1 89D' .20' 68C0' 9AC;05' <4.2' 8' =8DA=096' 49' .20' C4DD"0' 79' 8' 64"?05E=749' 73' 7C4.489* 1 8?05=8C:' 79' 750"" # ' :# > N' B4?06' .20' .@:0' 73' .<7' 3 ' 79' <240:2' 89' 7<" 46' 6.89D49B' D064B98.49B' 86' 20' 49.05:50.6' 4.# 79=75D' 86646.0D' ;@' :5AD09.' =7A960"' 75' 49D4=8.49B' 64C:"@' .20' <75624:' 73' :7""7' 89D' 4905?8*E 00' '

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D48996 4A6 ' 89D 48D7C09489A6*1 F0 37A5 #7C89 =7"79406 49 8=0D7948 ' 73 86689D58 ' 4AC ' 0""8 ' 89D "4 : :4 ' 49D4=8.0 .2045 06.8G ;"462C09.' ;@' KA"4A6 80685 ' 75 ' ABA6.A6 ' 79 .2045 =7496 <24=2 ;085 .20 496=54 :.479 =74 C *' & ' - 1 8=0D7948 ' 86 8 : 57?49=0 A9D05 C : 054" #7C0 ' 46 : 056794340D 79 .<7 D46.49=.' =7496 73 8D5489 ' ?4*' .20 ' 89D .20 $! $ " ! ' 73 246 "85B0 ;5866 B07B58 : 24=8 605406/ .20 "8..05 0I24 ;4.6 49 4.6 .@ : 0 .20 : 749.0D =8 :' 89D .20 57A9D ; A0F"05 73 .20 8=0D794896* ' 8 69C8C0 73 0.0""96 S*' ' " ¦" ' / $ ' ' 8 : : 0856 79 .20 D0954A6 <24=2 50=75D6 .20 .54AC : 28 2797A56 D0=500D .7 0.0""A6 79 .20 =79SA06.' 73 8=0D7948* #' " ' ' %' 57 :580.75 73 "9=8 A9D05 057 ' 89D 83.05<85D6 375 8 6275.' 49.05?8 49?06.0D <4.2 .20 .4."0 73 ABA6.A6 ' A9.4 20 <86 D0 : 760D 89D : A.' .7 D08.2 ;@' 75D05 73 &8";8 46 =7496 6.5A=F 49 354=8 850 49 64"?05 89D ?05@ 5850 .2760 <4.27A.' .20 208D ;049B : 0528 : 6 67C0<28.' C750 =7CC79 .289 .2760 <4.2 .20 : 75.584. 20@ : 50609.' 60?058 8540.406 73 .@ : 0 790 7 .20TC7H.' 49.0506.49B 73 <24=2 46 2050 09B58?0D/1 1) ' &0 !

' 6*7 850 208D 73 "7D4A6 8=05*1 ' 7 ' ' | B8""0@ A : 79 <24=2 46 8 C4"4.85@ 6.89D85D*1 8"A0D ;@' 47990.' 8.' H ' 3589=6* *1 5097C09 89D 98C0 73 .20 '34A9 @* # w43 ' " ' ! % .20 0"D05 ' 790 73 .20 C89@ A6A5 : 056 <27 .77F 8D?89.8B0 73 .20 D46.58=.0D 6.8.0 73 .20 0C : 450 ' DC49B .20 504B9 73 8 40996 20 35409D 73 8"05489A6 20 0I=4.0D 24C' 8B8496.' .20 2546.4896 ' 89D .209 ;0.58@0D 246 =8A60 "0=.0D C : 0575 ' > , ' 20 8 : : 749.0D 8"46.8 246 B09058"' 89D D0308.0D .20 0564896 A.' 6779 83.05<85D6 C85=249B 49.7 ""@548 8B8496.' A507"A6 897.205 .@589. ' 20 <86 24C60"3 D0308.0D 89D 30"" 8 ?4=.4C' .7 .2 t' .508=205@ 73 246 7<9 67"D4056 ' > >* 1 ' 08A?846 ' 49 246 46.75@ ' SA7.06 =7496 73 .20 0"D05 8=548996 ' ; A.' 8==75D49B .7 .20 7 : 49479 73 84""89. ' =79345C0D ; @' "8.05 <54.056 ' .2050 850 97 8.49 =7496 73 246 0I.89.' ' ; A.' .2760 <24=2 50C849 ; 0.09B .7 .20 @7A9B05 8=548996 2760 49 : 7.49 ' 6.5A=F 8.' "0I89D548 ' 850 73 0I.50C0 5854.@* # ' A9475 " ' ' ' # % ' : 57="84C0D ABA6.A6 8.' .20 68C0 .4C0 <4.2 246 38.205 ' ; @' .20""0B4796 74 .20 086.059 : 57G ?49=06 * * > , 0 <86 8 B77D 67"D405 8=.0D 86 8 .54 ; A90 A9D05 8"05489A6 ' 8667=48.0D 49 B7?059G C09.' <4.2 246 38.205 ' <2760 38.0 20 62850D 83.05 .2045 A6.' D0308.' ; @' A507"A6*1 2050 850 97 B7"D =7496 73 8=548996 A9*' 89D .2760 =8""0D 64"?05 850 73 ; 860 C0.8 M73.09 D06=54 ; 0D 86 .245D ;5866N 9 .2060 20 46 6.@"0D " ! ' * *' 75 * * * ' * * &* T ' .' <7A"D 8 : : 085 M68@6 5 F05C89N 357C .20 3456.' 73 .2060 .4."06 .28. ' =79.585@ .7 .20 .06.4C79@ 73 246.754896 ' 8=5489446 .20 @7A9B05 <86 3456.' D0="850D 00685 ' 89D .28.' .20 .4."0 73 ABA6.A6 <86 =79305550D A : 79 24C' 6A ; 60SA09."@ 20 8.49 =7496 73 .20 @7A9B 8=5489A6 D7 97.' ; 085 .20 : 5097C09 46 &500F =7496 D43305 49 .20 98C0 ' 67C0 28?0 " ' 7.2056 ! ' 3 89@ 73 .20 =7496 <4.2 .2060 98C06 ; 750 89 7"D 208D ' 496.08D 73 .20 @7A.23A" : 75.584.' 8"<8@6 37A9D 79 .20C ' 4.' C4B2.' 5086798 ;"@ ; 0 6A : 760D .28.' 04.205 4.76 75 85=A6 ; 0"79B0D .7 .20 0"D05 8=548996 0?05.20"066 ' 4.' 46 =05.849 .28.' C89@ 73 .20 C : 0548" &500F =7496 28?0 : 75.584.6 ; A.' "4.."0' 5060C ; "49B' .2760 79E.20 8.49 =7496 73 .20 68C0 0C : 0575*U 1 ' ' ?7" 44 : ' ' ! # '" '1$ 'F %' .20 6A==06675 73 858=8 8 ' <27 <86 866866498.0D 49 067 : 7.8C48 8.' ; 46 496.4B8.479 0 <86 ; 7C' 49 354=8 ' 73 89 7 ; 6=A50 38C4"@ 9 ' , N .' 3456.' 89 8D?7=8.0 20 =8C0 .7 #7C0 89D <86 38?7A58 ;"@ 50=04?0D ; @' 0 : .4C496 0?05A6 ' 83.05G <85D6 8 : : 749.0D 560.75489 5030=.' ; @' 858=8 8 ' ; A.' 28?49B 86=05.8490D .20 49.09.479 73 .28.' 3057=47A6 .@589.' .7 D06.57@ 24C ' 20 .77F .20 8 ; 7?0EC09.4790D 0330=.A8" ; A.' .408=205796 6.0 .' .7 :50?09.' 4. ' 89D <86 :57="84C0D C : 0575 * * >, * 0 <86 8 : 549=0 <0 ' 6F "0D 49 .20 "8<6 ' 89D A6.' 49 .2045 8DC4946.58.47 ' 8 :57G .0=.75 73 .058.A50 ' 89D 8 B508.' D46=4 : "4985489 ; A.' 67C0<28.' =5A0" 89D ?7"A : .A7A6 ".27AB2 =79345C0D 49 .20 ?0C C09.' ; @' .20 098.0 20 D4D 97.' :57=00D #7C0 28?49B 4CC0D48.0"@ 09.050D 49.7 8 <85 <4.2 .20 85.24 ' ; @' <27 20 <86 D0308.0D 89D 8.' "09B.2 <86 =796.58490D .7 C8F0 8 : 08=0 <4.2 .2045 ' 49B 5.8 ; 8906 79 .05C6 D46B58=0344" .7 .20 #7C89 85C6 8?49B ; @' 246 : 856 4C79@ 89D 60?054.@ 49D46 : 760D .20 .C : 6 .7 <85D6 24C ' 89D ; 049B 8..8=F0D ; @' .20 B09058"6 73 "8B8 ; 8"A6 20 <86 D0308.0D ' : A56A0D 89D 6"849 49 @.24948 ' * * >, ' 49 .20 .2 @085 73 246 8B0 97.' 28?49B =7C : "0.0D .20 60=79D @085 73 6 504B9*1 20 =7496 73 8=549A6 850 73 0I.50C0 5854.@ 49 B7"D 97.' 6=85=0 49 64"?05 ' ; A.' 5850 49 .' 89D 60=79D ; 5866 89D 6 ; 5866 C0D8""4796 850 ?05@ 5850 9 .2060 20 46 6.@"0D ! # ' ' # o ' ' " ! ' & 9 .20 7 ; ?0560 7 3 8 3456.' ; 5866 C0D8" ' <4.2 .20*8 ; 7?0 98C06 89D .4."06 375 4.6 "0B09D 46 .20 "8A508.0D 208D 73 .20 C : 0575*1 9 .20 50?0560 .20 0 : 4B58 : 2 46 " ! ' % ' 89D .20 .@ : 0 8 <7C89 27"D49B .20 286.8 49 205 "03.' CD ' 89D 506.49B 205 54B2.' 289D 79 8 =7"AC9* 20 C750 350SA09."@ 50?7"A.4796 CA".4 : "40D .20C60""?06 9D05 .20 C : 05756 .20 C750 .20 .25790 .7 .050D 79 4.6 ; 860 89D .20 : 549=06 <27 <050 =8""0D .7 .20 B7?059C09.' 73 .20 0C : 450 8330=.0D .7 49?7F0 8 3 73 < =2 .20@ <7A"D 285D"@ 28?0 ; 00A 7.205<460 .289 D7A ; .3.D* 75 .20 : 75.584.' 73 8=549A6 600 * *p * 'F 1 5097C09 89D 98C0 73 8 C89*

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) ' 8' :"0;0489' 37C4" 5 ' 6A598C0' 8 ' 795' ?8540.406' 73' =7496 ' 84'' =7CC79* 1 ' 3' ' ' 45 ' ' ' ' ' ' ' 246' 496=54:.479' 46' 37A9D' 79' 3456.' 89D' 60=79D' ;5866' 73' ABA6.A6*

) ' 8' :"0;0489' 38C4"@ ' <24=2' 01.09D0D' 4.60"3' 357C' .20' .<7' ' .54;A906' 73' .20' :07:"0' .6' 6A598C0' 46' 684D' .7' ;0' ' 2050' 850' 37A5' ?8540.406' 79' 4.6' =7496 ' <24=2' 850' 5850' 49' 64""?05 ' 89D' C9=2' 58505' 49' .245D' ;5866* 1 ' 20 @:06' 73' .20' 64"?05' M r948N' 850' .20' =7CC79' 7906' 73' 4905?8L6' 208D' 79' .20' 7;?0560 ' 89D' 4=.75@' 49' 8' SA8D54B8 ' 75' .20' 476=A54' 79' 27560G ;8=F ' 79' .20' 50?0560 ' <4.2' .20' "0B09D' :' ' 75' :' ' * 1 ' 6C8"" ;5866' 73' .246' 38C4"@ ;0856' 79' 790' 64D0' .20' 208D' 73' 05=A"06 ' 89D' 79' .20' 7.205' .20' :57<' 73' 8' B8 0@ ' <4.2' .20' 496=54:G .479' ' ' ' *

"7@64A6' D054=..6' .2A6' 64B98""@' 01:"8496' .20' 8;7?0' =7496' 49' .20' D46605.8.479' <24=2' 20' 286' B4?09' 49' F ' ' ' ' 8?05=8C:' 68@6' 20' 357C' .2060' =79.58=.0D'0:4B58:26' "=+ + ' '375'.20' "0..056'850' .40D'.7B0.205\" 8 %' 286' C8D0' 7A.' .2500' :056796' ?4*' ' r94A6' 9.79496' M75 9.5794A6\' 89D' 0.0""A8' <209' 90?05.20"066' 79"@' 790' 49D4?4DA8'' 46' 98C0D' .28.' 46' .7' 68@' # ' ' ' ' 75' ' 75' <28.' 7.205' 6A598C0' 670?05' ;0B496' <4.2' .20' 6@""8;"0' ' 20' 3456.' 6A598C0' 54B2."@' ;0"79B6' .7' .20' ' 58=0' 73' <24=2' <86' ' r94A6' <27' 49' .20' @085' 73' #7C0' , ' .54AC:20D' 7?05'.20' 9.48.06' 8==75D49B' .7' 4?@L8' 246.75@' 89D' .20' 86.4' 8:4.7"494' 49' <24=2' "8..05' 8:.0856' 86' 37""7<6/1 ' ' ' ' ' 9 83' ' * 1 2' 60=79D' =7B97C09' <28.0?05'4.' <86' D46.49BA4620' .246' r94A6' 357C' 7.205' ' A6.' 86' .20' =7B97C09' F+ ' 605?06' .7' D46.49BA462' .20' ' < ' ' 357C' .20'

' "- % ' ;7C' 8.' C068' 49' @548' D84 2.05' 73' KA"4A6' 866443.476' :5406.' 73' .20' A9' 646.05' 73' KA"48' 7C98' 89D' B589DC7.205' 73' "8B8;8"A6' ' 20' C85540D' KA"4A6' ?4.A6' ;@ <27C' 620' 28D' KA"48' 760C486' 89D' KA"48' 8C608' .20' C7.205' 73' "0189D05' 0?05A6' ' 20' <86' 8' <7C89' 73' B508.' 68B8=4.@' 89D' =7A58B0' :7660660D' 73' ?86.' <08".2' #0.4549B' .7' C068' 8.' .20' :0547D' 73' 858=8 8L6' D08.2' 620' B8490D' 7?05' .20' 67"D405@' ;@' 205' "85B06606' :57="84C0D' 2 ;8"A6' 0C:0575' 37AB2.' 8.' .20' 208D' 73' 246' .577:6' 8B8496.' 8=549A6' :57=00D0D' .7' #7C0' .77F' 205' 608.' 49' .20' 098.0' .27AB2' =79.585@' .7' .20' "8<6' B8?0' B77D' =7A960"6' ;A.' 49' ?849' .7' 205' 4938C7A6' B589D679' 89D' D40D' 50B50..0D' 49' .20' 504B9' 73' "0189D05' 0?05A6' ' >>H' <27C' 620' 28D

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8D574."@' 49DA=0D' "8B8;8"A6' .7' 8D7:.' 375' 246' 6A==06675' 89D';@' <27C' 620' <86' 2797A50D' <4.2' .20' =050C7940'6' 73' 1 05' 07496' 850' 73' 01.50C0' 5854.@' 49' B7"D' ;A.' =7CC79' 49' 64"?05' 89D' 3456.' 89D' 60=79D' ;5866' 9' .2060' 620' 46' 6.@"0D' 1 ' ' ' 89D' 83.05' D08.2' 7 1 ' ' = 9' 8' "85B0' ;5866' C0D8"' <4.2' .20' 208D' 73' .068' <0'5 ' ! 0 ! ' ' = ' 89D' 79' .20' 50?0560' - 0!' # 0!"! ' ' - ' <7C89' 6.89D49B' <4.2' 8' =8DA=096' 49' 205' 289D' 8.' 205' 300.' 8' ' 75' ;A620"' 7A.' 73' <24=2' 466A0' 0856' 73' =7496' 49' .20' 340"D' 73' .20' C0D8" 46' 8' 6.85* 1 20' B508.05':85.' 73' 6068L6' =7496' :57;8;"@' ;0"79B' .7' .20' 504B9' 73' "8B8;8"A6* &" (' ' " ' ' - ' &" ' " ' # 1 &508.' 89D' 47A6' 98C06' 89D' .4."06' 73' 9049'6' 7C:0@* 1 ' 00' # + $ ' - 1 90' 73' .20' =7496' 79' <24=2' .246' .4."0' 46' 508D' 8==75D49B' .7' 750"" ' 46' 73' .20' ' 38C4"@' .2A6 1 79' .20' 7;?0560' " # ' " " &46305' 84<' <4.2' .20' 98F0D' 208D' 73' 8' C89*1 9' .20' 50?0560' .20' 9AC;05' + " <4.249' 8' "8A50"" =57<9* 1 9' .20' 0C;57F0' =7496' .246' 46' :"8=0D' 8C79B6.' .20' F+ 1 20' 733"00' 73' .20' ' - ' 600C6' .7' 28?0' ;009' .28.' 73' 496.5A=.49B' 49' C4"4.85@' D46=4:"490' 89D' 0SA06.5489' 0105=4606' .20' #7C89' @7A.2 1 ' .20' @7A9B' 97;4"4.@' 89D' 49' .20' 3456.' :"8=0' 8496' 89D' A=4A6' 79' <27C' ABA6.86' 28D' =7930550D' .20' .4."0' 73' + + 7 1 9' 790' 73' .20' 89=409.' 496=54:.4796' ;@' / ' 46' 508D' " # $ 3 ' ' = ' '+ ' ' 1 20' <75D' ' :57:05"@' 64B94340'6' 8' C89' 49?06.0D' <4.2' 67C0' 8A.2754.@ 1 8' C86.05' 790' <27' 286' C750' :7<05' .289' 897.205* 1 8B46.58=@' 75' .20' D4B94.@' 73' 8B46.58.0* 1 246' 98C0' <86' 8.' #7C0' B4?09' 79"@' .7' .2760' 7334=06' <24=2' <050' D46=285B0D' 49' .28.' =4.@' 89D' .20' 3A9=.4796' 73' .2760' <27' B7?0590D' 49' .20' :57?49=06' <050' 64C:"@' D097C4G 98.0D' # (' 8"67' MD054?0D' 354RC' % 64B94340'6' .20' 8B46.58.0' 73' <27C' .2050' <050' 60?058"' 675.6' 8C79B' .20' #7C896' ,' 20' 75D4985@' C8B46.58.06' 89D' .20' 01.5875D4985@'C8B46.58.06' >' 8.54=489' "0;0489' 89D' C410D' C8B46.58.06' H' 9D' .2060' <050' 8B849' D46.49BA4620D' 86' .20' B508.' 89D' .20' "06605' C8B46.58.06' 2050' <050' C7507?05' 1 ' 89D' ' ' 8B46.58.06' 73' .20' 4.@' 75' 8:4.8"'89D' 57?49=48" 8B46.58.06*1 20' 0 ' ' ' <050' .2760' <27' 28D' 8' 54B2.' .7' .20' =A5A"0' =2845' 86' .20' 4=.8.75' .20' 796A"' .20' 560.75' 89D' .20' A5A"0' D4"0' 89D' .2060' 8"790' :7660660D' .20' 7 ' ' 75' 54B2.' .7' 28?0' .20' 4C8B06' 73' .2045'89=06.756' 49' .2045' 27A606' .=*1 20' ' 7 ' 75' 6A:05475' C8B46.58.06' <050' 67' =8"0D' ;0=8A60' .20@' 28D' .20' B589D' 8A6:4=06' .20' 54B2.' .7' 28?0' "4=.756' 89D' C066A8B06' 89D' <050' =27609' 49' .20' ' ;@ =09.A5406' 6A=2' <050' .20' 796A"6' .20' 560.756' 89D' .20' 096756* 1 20' ' ' <050' .2760' <27' <050' 8:.749.0D' 49' .20' =7C4.48' ;@' .54;06 1 ?4\?' .20' A5A"0' 89D' "0;0489' D4"06

H &

.20' 54;A906' 73' .20' :07:"0' 0' %A06.756' .20' 790.85@' 54AC?456' 89D' .20' 57?49=48" 8B46G .58.06' ;7.2' 75D4985@' 89D' 01.5875D4985@*1' ' # .' .20' =7CC09=0C09.' 73' .20' 50:A;"4=' .20' C8B46.58.06' <050'8':8.54=4896' 2A.' 49' .20' 09D' .20' :07:"0' 8=SA450D' 8' 62850' 49' 8"" .2060' D4B94.406' 01=0:.' .28.' 73' .20' *1' ' # 20' :"0;0489@C8B46.58.06' <050' .20' 54;A906' 89D' D4"06' 73' .20' :07:"0' 8"" .20'7.2056' <050' C4I.*1 ' # ' <050' .2760' .20' 0105=460' 73' <2760' 3A9=.4796' <86' "4C4.0D' <4.249' .20' :57?49=06' .7' <24=2' .20' 50:A;"4=' 609.' .20C' 86' B7?059756' 49' SA8"4.@' 04.205' 73' 57=796A"' 73' 560.75' 73' 57:560.75' 89D' 375' .20' :A5:760' 73' 8DC4946.0549B' A6.4=0' 8==75D49B' .7' .20' #7C89' "8<6* 20' 4964B948' 73' #7C89' 8B46.58.06' 50:50G 609.0D' 79' .20' 50?05606' 73' 796A"85' C0D8"6' 850' 8' $) + =*1 00' .2760' <75D6* & # 1 o 2 *(F . 1".' A9D056.77D*N & ' "! % ';7C'49' &8A"' 73' 7;6=A50' 54.462'75' &05C89':8509.6'8;7A.' H H' <86';57AB2.' A:';@' 796.896' <4.2' <27C' 20' <86' 67' B508.' 8' 38?7A54.0' 79' 8==7A9.' 73' 246' 6F4"" 49' C4"4.85@' 8338456' .28.' 49' 8' .ACA".' <209' .20' 67"D4056' <050' 79' .20' :749.' 73' :A..49B' 24C' 86' =8:.849' 73' .20' BA85D' .7' D08.2' 246' 4C:0548"# C86.05' .250<' 246'+ ' 86' 8':57.0=.479' 7? ' 24C' 89D' .2A6' 68?0D' 246' "430# 2' F49DG 9066' 8B909.4A6' C76.' A9B58.03A""@?50SA4.0D' <4.2' .508=205@' 89D' .20' ;8606.' C8=2498.4796' .257AB2' <24=2' .20' C:0575' 30"" 8' ?4=.4C' 89D' .246' A6A5:05' 7;.8490D' .20' E0C:450' S3.05' 28?49B' 866AC0D' .20' :A5:"0' 8.' M AB96.7DA9ACN' H[# 0' <86' 8' C89' 73' 6.AD47A6' 28;4.6' :7<053A"' 49' =79?0568.479' ;A.' 285DE2085.0D' 89D' =5A0"# 0'98C0D' 86' 60685'246';57.205' 0=09.496' <27C' 20' 609.' <4.2' 89' 85C@' .7' D0309D' &8A"' ;0@79D'.20' ":6' 89D'20'24C60"3'C85=20D'8B8496.

796.89.496' ;57.205' 73' 796.896' <2760' .05C6' 73' :08=0' 20' 28D' 5862"@' 50 0=.0D' 89D' ;@' <27C' 20' <86' D0308.0D' 49' .<7' 09B8B0C09.6' 790' 49' .8"@' .20' 7.205'49' &8A"# "00498A.' 7' @796' 89D' A98;"0' .7' 50.540?20' 246' 8338456' 20' .209' 6"0<' 24CG 60"3' H[H' 49' .20' [.2' @085' 73' 246' 8B0* 1 20' 60079D' 89D' .245D' ;5866' 73' 8B909.4A6' 850' ?05@' =7CC79' 246' B7"D' 850' 5850' 96' 64"?05' 58505# 9' .2060' 20' 46' 6.@"0D' # ' ~ ' & ! & * 1 ' & ' * *" ?7 1 *" *" & ' * *" & * 1 "67' & ' *" * *" & *" 20' 64B9434=8.479' 73' .20' "0..056' *" 286' 97.' ;009' 01:"8490D*

& ' &*

& ' # ' <2760' =7496' 49' 0?05@' C0.8"# 850' 01.50C0"@' 5850' 286' ;@' 67C0' ;009' 86=54;0D' 86' .20' <430' 73' 8109.4A6' ;@' 7.2056' 73' 8B909.4A6' 75' 0=0A.4A6' ;@' 7.2056' 8B849' 73' 8C6' 89D' AC05489A6' ;A.' '20"" 89D' =F20"# 8664B9' 205' .7' 8549A6*1 00') & ' &*1 20' C8BG 9434=09=0' 75' 86' 4.' 46' B09058""@' 01:50660D' Y' $ ' 9 ! # ! " ! A' 73' .20' C:05756' 46' 8' "0B09D' <24=2' 286' 50"8.479' .7' :A;"4=' B8C06' .257AB2' .20' 8..58=.4?0' C0D4AC' 73' <24=2' .20' #7C89' C:05756 6.57?0' .7' B849' .20' 8330=.4796' 73' .20' :07:"0# 20' A6A8"# .@:0' 46' .20' 34BA50' 73' 89' 0"0:289.' 6.89D49B' 86' <0' 600' 4.' 79' 07496' 73' 9.7949A6' 4A6' 73' 7CC7DA6' 73' 0:.# 0?05A6' 89D' 73' "8458;8"A6* & ' &# # # # # <4.249' 8' =57<9*1 0=79D';5866' 73' 7CC7DA6*1' 246' =749' 46' <89.49B' 49' 0D47;85;A6' ;A.' 8::0856' 49' 84""89.' 89D' 49' 8?05=8C:6L6' ') ' 73' ' ' 89D' 46'50=7B9460D';@' 47990.' 89D' F05C89# .' 46' 89' M:44SAO' 018C:"0' 73' 7 M68@6 =F20"N 496=54;0D' 79' =7496' 89' 0:4B58:2'.20' 8D7:.479' 73' <24=2' 89@' 7==86479' 75' C7.4?0' 27<' .543"49B' 89D' 8;6A5D' 670?05' C4B2.' 6ABB06.' .7' 67' ?05@' ?849' 8' C89* & ' 8' 6A598C0' 75' .4."0' 73' B7D6' 205706' F49B6' 89D' 0C:05756# 20' D04.406' <050' B09058""@' =8""0D' 89D' .20' .05C' <86' :856 .4=A"85"@' 8:"40D'.7' KA:4.05' 4898# 0*1 ' 89D' 850' .4."06' 73.09' 37A9D' 8664B90D' .7' #7C89' C:05756# 20' 496=54:.479' 4?7' 4 ' & 8::0856'72'=7496'73' 858=8""6.58=F' 83.05' 246' D08.2' 375' .28.' ;8D' :549=0' 86' ?849' 86' 20' <86' 3057=47A6' "7?0D' .7' ;0' 68"A.0D' <4.2' .20' D46.49=.4?0' 8::0""8.479' 73' 83.05' .20' 018C:"0' 73' "0189D05' .20' &508.' <27C' 20' 8330=.0D' .7' 4C4.8.0* & ' 46' 8' M B97C09' 86=54;0D' 79' =05.849' =796A"85' =7496' .7' # + 3' 89D' .7' 246' 6796' ' ' 89D' F :' .7' .20' 38.205' 79' 8==7A9.' 73' 246' ?4=.7547A6' 01:"74.6' 89D' .7' 246' :76.054.@' 86' 89' 2050D4.85@' D46.49=.479' 1 00' # + ' 38C4"@* 20' 98C0' 73' ' <86' 866AC0D' ;@' .20' ! A6A5:05' ' 89D' 8"67' ;@' 246' ;57.205' . 1 ' 897.205':50.09D05'.7'.20' 4C:0548"# .25790' DA549B' .20' 504B9' 73' 207D764A6' *' .77F' .20':5097C09' 73' ' ' ' 79' =7496' 73' 76E' .CAA6*1 00' ; ' 8' 38C4"@' 73' A9=05.849' 589F' 89D' 506:0=.49B' <24=2' 97' C09.479' 46' C8D0' ;@' 89=409.' <54.056# .6' =7496' ;08549B' 79' .20' 50?0560' =# 4 4# :50609.' .2500' ?8540.406' 850' 5850' 49' 64"?05' =7CC79' 49' 3456.' ;5866' ;049B' :85.6' 73' .20' ':' ;A.' ?05@' 5850' 49' .245D' ;5866' <24=2' 850' ;@' .20' C790@056' 73' ABA6.A6* 20' D0985A6' 73' .246' 38C4"@' ;0856' 79' 4.6' 7;?0560' .20' 208D' 73' 4905?8' <4.2' <49B0D' 20"C0.*1 # ' =# ' <49B0D' 34BA50' <4.2' 8' <24:' BA4D49B' 8' ;4B8' 8.' 3A"" 6:00D# 9' .20' 0105BA0' $ 84""89.' 8664B96' .246' 64"?05' =749' .7' .20' 00948' 38C4"@' 89D' 8?05=8C:"0896' .7' .246' 7:49479' ;A.' 5649' 89D' 750' ':"8=0' 4.' A9D05' .20' 208D' 73' ' 89D' 49' D749B' 67' 8::085' .7' 28?0' .20' 689=.479' 73' =F20"*

K # K 1 *

K ' "! ' - % ' 8: : 749.0D' ;@' 07' C : 0575'73'.20' 86. '.7'20' 246'B09058"'49' !'=2403' 89D' 609.' ;@'24C'.7'7==9:@'.20' B7?059C09.' 73' .20' <06.059' 0C : 450 ' 866AC0D' .20' .4."0' 73' C : 058.75 ' 8.' ' 8?0998 ' 83.05' .20' D0 : 764.479' 73' ?4.A6' [#' 0' 28D' :57?0D' 24C60"3' 8' B77D' B09058"' 99D05' 0.4A6 ' 89D' : 7660660D' B508.' 89D' 0I=0""09.' SA8"4.406#' 0' 493"4=.0D' 60?050' 49 A5@' 79' .20' ; 85 ; 85489' .54 ; 06' ; 7.2' 49' .8"@' 89D' 49' &844"/ <24"6.' 246'35409D' 89D' B09058" ' ' 4=4C05 ' D0308.0D' &096054=' [' 8 75489' ; 08.' . ; 0' &7.26' A9D05' 207D754=' ; A.' 20' 28D' 6=85=0"@' C8D0' : 08=0' <4.2' &096054=' <209' ' 4=4C05' =796 : 450D' 8B8496.' 89D' D0 : 760D' 24C' 8.' 05.798 ' 97<' ' 49' 4BA548 ' 89D' 20' D40D' ; @' 246' 7<9' 289D' ' ' ,* 1 20' B7"D' =7496' 73' 8 7548AA6' 850' 06.00C0D' 5850 ' .20' ; 5866' 6. " 58505 ' 79' .2060' 20' 46' 6.@"0D' ' # 4? ?6# ! $!

+ ' & ' '

75' # 5:' 8' : 5097C09 ' 89D' 83.05<85D6' 8' 98C0' 73' .20' ; ' 38C4"@/ 1 '

' $ ' +

' " % ' D8AB2.05' 73' KA"48' 6068 ' 646.05' 73' KA"48' 780C486 ' 89D' C7.205' 73' "0IG 89D05' 0?05A6# 20' .77F' .20' 98C0' 73' .20' KA"48' 38C4"@' 357C' 205' 38.205 ' <27C' 67C0' =8"" KA"4A6' ?4.A6 ' ; A.' 205' 6A598C0' 73' 8C08 ' "4F0' .28.' 73' 205' 646.05' 780C486 ' 46' ; 0"40?0D' .7' ; 0' @548=* 1

8.' #7C0# .' D054?0D' 4.6' 6A598C0' ' 4.' 46' ; 0"40?0D ' 357C' 4.6' ; 049B' B4?09' 8.' 3456.' .7' # 8C f4A6 ' .54 ; A90' 73' .20' : 07 : "0 ' ; 0=8A60' 20' M?*=# [aN =85540D' .20' ' ') ' 75' ; 74CD85@' "8<# 9' 4.6' =7496' <24=2' 850' 375' .20' C76.' : 85.' =7CC79 ' .2050' 850' 04B2.009' ?8540.406 ' .20' 64"'?05' : 40=06' 506.750D' ; @' 58 89' 850' 0I.50C0"@' 5850 ' 8C79B6.' .2060' 46' .20' 37""7<49B' 49.0506.49B' .@ : 0 1

* 1 ' C89' 49' 8' 6275.' 28 ; 4. ' <08549B' 79' 246' 208D' .20' + ' 75' 20C46 : 2054=8" ; 7990. ' 89D' 27"D49B' 8" 79B' F97..0D

6.4=F ' 89D' 8' D7B' 8.' 246' 300.' 30<949B' 79' 24C* 1 ' 20') ' 73' .246' D09854A6' 20856' .20' 208D' 73' 05=A5@' 86' D064B98.0D' ; @' 246' 8..54 ; A.06 ' .20' <49B0D' =8 : ' 89D' .20' ' ' 246' =749' 286' ; 009' 0I : "8490D' 86' 50 : 50609.49B' "@6606' 50=7B9460D' ; @' 246' D7B*E ==75D49B' .7' .20' 7C054=' 50=4.8" ' .28.' &50=489' 2057' 83.05' 89' 8 ; 609=0' 73' .<09.@' @0856 ' 5067""?0D' .7' 50 : 845' 79=0' C750' .7' 246' F49BD7C' 73' .28=8' <4.27A.' C8F49B' 24C60"3' F97<9# ==75D49B"@' 20' D46BA460D' 24CG 60"3' 86' 8' : 4"B54C ' 75' .58?0""05 ' 89D' 0330=.A8""@' 06=8 : 0D' D46=7?05@' ; @' 89@' C89 ' <209' 246' 384.23A"# D7B' 5BA6 ' F90<' 8B849' 246' "79B' "76.' C86.05 ' 89D' ; @' <8BB49B' 246' .84" ' 89D' 7.205' =89490' ; "89D462C09.6 ' .06.4340D' 246' D@49B' 7@' 8.' .20' 68DD09' 50=7B94.479 1

T' , ' ' ' N

KA"48' 8C808' <86' C85540D' .7' &09064A6' 85E =489A6 ' ; @' <27C' 620' ; 8D' 207=48'89D' "0I89D05' 0?05A6# 9' #7C89' =7496' 620' 46' 2797A50D' <4.2' .20' .4."0' 73' 9 >>>N# @' 205' 68B8=4.@' 620' =79=4"48.0D' .20' B77DE<4"" 73' .20' 67"D405@' 49' 33""7?A5' 73' 205' 679' "0I89D05 ' 73' <27C' ; @' 0DA=8.479' 620' C8D0' 8' : 0530=.' : 549=0 ' ; @' 205' 8664DA4.@' <4.2' 205' C7.205' .068' 620' : 57C7.0D' 246' 8D7 : .479' .7' .20' 0C : 450 ' <24"6.' ; @' 205' : 5AG D09=0' 620' 0I.54=8.0D' 24C' 357C' .20' 698506' "84D' 375' 24C' ; @' "8B8 ; 8"A6# 20?5A"0D' A9D05' 205' 679' <4.2' .8"09.' 89D' =7A58B0 ' <86' 246' =7C : 89479' 0?09' 49' .20' 056489' < 85 ' ; A.' 8C ; 4.47A6 ' 28AB2.@ ' 89D' =7?0.7A6 ' 620' =7CC4..0D' 67C0' 8=.6' 73' 49G A6.4=0' 357C' .20' "7?0' 73' C790@# .' 46' 684D ' 79' 246.754=8" 8A.2754.@ ' .28.' 620' 28D' 0C ; 58=0D' .20' 2546.489' 384.2# 246' : 549=066' <86' CA5D050D' 8.' .20' 68C0' .4C0' <4.2' 205' 4C : 0548" 67A' >H[* 20' 64"?05' =7496' 73' ' 850' =7CC79 ' .20' ; 5866 8 9 D ' ?05@'=7CC79 ' ' ; 5866' 5850 ' 205' ' 850' 73' .20' 24B206.' 5854.@# 9' .2060' 620' 46' 6.@"0D' ' ' i 4 ' : 5' 4 ' * 9' .20' 50?0560' 46' 67C0.4C06' #' # # *

' 8".27AB2' 8' C76.' 97 ; "0' 89D' C76.' 89=409.' 38C4"@' 0C4B58.49B ' 4.' 46' 684D ' 357C' A6=A"AC ' 75' 357C 4 ; A5 ' @0.' 4.' ; 0=8C0' : "0 ; 0489

.20' 64"?05' =79A979* 1 246' 38C4"@' .77F' .20' 6A5G 98C0' 73' 0 ' 357C' .20' ?8"7A5' 73' # 89"4A6 ' <27 ' 49' .20' @085' 73' #7C0' HaH ' 6"0<' 49' 649B"0' =7C28.' 8' &8A" 73' 6A : 05475' 6.509B.2' .7' 24C60"3 ' 89D' .77F' 8<8@' 246' =7 85' M.75SA06N" 209=0375<85D' .20' ' 8D7 : .0D' .20' 2797A5G 8;"0' 8DD4.479 ' 89D' 6.8C : 0D' 4.' 79' .2045' =7496" 1 2A6' 79' .20' 50?0560' 73' 8' 64"?05' C0D8" 73' .246' 38C4"@' <0' 600' " 579S " S " 6 ' ' -

' C89 ' 85C0D' <4.2' 20"C0. ' 6 : 085 ' 89D' ; A=F"05 ' B8""7 : 49B' 79' 27560 ; 8=F* 1 20 7 ; ?0560' : 50609.6' .20' <49B0D' 208D' 73' 8""86 ' .20' <75D' ' 89D' + ' 8"" <4.249' 8' 0 1 9' .20' 50?0560' 73' 897.205' D09854A6' 73' .20' ' 38C4"@' <0' 508D' .20' <75D6' " OO ' ! # ' 89D' .20' .@ : 0'50 : 50609.6' @""8' 49' 8' .54AC : 28" SA8D54B8 ' 27"D49B' 49' 246' 54B2.' 289D' 8' =8DA=0A6 ' 89D' =57<90D' ; @' 8' 3"@49B' 4=.75@* 1 20 7 ; ?0560" 73' .246' =749' ; 0856' .20' "0B09D' ' O ! ' % ' S* ' 89D' 375' 4.6' .@ : 0' 286' .20' <49B0D' 208D' 73' 4905?8* 1 (0' "0859' 357C' "A.85=2' .28.' 89"4A6' 75SA8.A6 ' <27' 79' .20' 8 ; ?20' 46' =8""0D' ! 0 ' <86' 790' 73' @""8L6 B09058"6* 1 97.205' =749' 73' .20' ' 38C4"@' 0124 ; 4.6' .20' 68C0' 50?0560' 73' @""8' .54AC : 249B ' 89D' ; 0856' 79' 4.6' 7 ; ?0560' 67 " 89D' .20' C85F' I * ' .7B0.205' <4.2' .20' 208D' 73' 8""86 ' 8""" <4.249' 8' 0 ' 75' 7598C09.8" ' 8""A64?0' .7' .2045' 49.50 : 4D' 89D' ?4=.7547A6' 89=06.75"

064D06' .20' 64"?05' =7496' 8 ; 7?0' D06=54 ; 0D' .2050' 46' 89' 0"0B89.' 790' 496=54 ; 0D' ' "F ' 75' C750' : 57 ; 8 ; "@' F %' <4.2' .20' 208D' 73' 4905?8' 375' .20' .@ : 0' 73' 4.6' 7 ; ?0560' 89D' ' ; 03750' 4. ' 79' .20' 50?0560' 73' <24=2' 46' ' %" : * ' 89D' : 7""7 ' 75' .20' A9 ' 49' 8' =28547.' D58<9' ; @' 37A5' 275606 ' 79' 246' "03.' I * ' 79' 246' 54B2.' 8' =506=09. ' 89D' 79' 08=2' 64D0' 8' 6.7 * 1 00' '

"67' 897.205' D09854A6 ' <4.2' 30C8"0' 208D ' 89D' 496=54 ; 0D' * 1 6 ' ' _1 $ *' #*' ' .54 : 7D ' 8 ; 7?0' <24=2' 850' .<7' 6.856 ' .20' <27"0' <4.249' 89' 7598C09.6' =45="0* 1 ' 00' F)

' ' .20' <430' 73' . ' - ' ; @' <27C' 620' 28D' .20' ; 08A.43A"' . ' ' ' 620' ; 049B' 20560"3' .20' C76.' D0375C0D' 73' <7C09" 9' .20' 68C0' D8@' .28.' 205' 2A6 ; 89D' ; 0=8C0' C : 0575' 9 ' , aHN ' 620' <86' : 57="84C0D' ' ; @' 8' D0=500' 73' .20' 098.0 ' ; A.' 205' 28 : : 49066' <86' 73' ; 5403' DA58.479 ' 375' KA"489A6' 28?49B' 49' 8' 30<' <00F6' ; 009' : A.' .7' D08.2 ' .20' 4C : 0548" .4."06' <050' .8F09' 8<8@' ; 7.2' 357C' 205' 89D' 205' D8AB2.05' ; @' 0?0C6 ' 89D' 89"48' =89.4""8' D40D' 49' 7 ; 6=A54.@* 1 20' 46' 9AE' C46C8.4=8""@' 6.@"0D' o ' M75' A' " !00 ' * 1 '" 205' =7496' 850' 73' 01.50C0' 5854.@ ' .20' B7"D ' 64"?05 ' 89D' 60=72D" ; 5866' : 85.4=A"85"@' 67*E 20' 64"?05' 89D' ; 579\0' 28?0' : 9' .2045' 50?0560' 5? ' ! ' 89D' 8' ?04"0D}' 30C8"0 ' 75' D04.@ ' 6.89D49B' <4.2' 8' : 8.058' 49' 205' 54B2.' 289D ' 8' ' 49' 205' "03. ' 89D' 8' : 08=7=F' 8.' 205' 300.* 1 20' 4""A6.58.479' 286' ; 009' 60"0=.0D' 7C' 8' B7"D' =749' 49' .20' 54.462' A60AC* " ' ' :' : 5097C09' 89D' 98C0' 73' 8' C89* ' ; ' .20' 2AC89' 289D ' 46' 67C0G .4C06' .20' 9AC46C8.4=' 49D0I ' 73' 4 ; 058"4.@ ' 8.' 7.205' .4C06' .<7' 289D6' 7490D' .7B0.205' 605?0' .7' 6@C ; 7"4\0' .20' =79=75D' 73' 49D4?DA8"6 ' 89D' .7' D064B98.0' .20' =793"5C8.479' 73' 35409D624 :' 89D' 73' .508.406* 1 (0' 600' 8' 2AC89' 289D ' 49.09D0D' .8' 50 : 50609.' T .20' 289D' D4?490 U' : A.' 375.2' 357C' ="7AD6' 79' 8' =749' 73 ' 796.89.490' .20' &508.' 897.205' 27"D49B' .20' =5766' 75' 8' =57<9 ' 79' =7496' 73' 5=8D4A6 ' 89D' 73' AD71487 246' <430*

' 7 1 <7289D6' 7490D ' 27"DG 49B' 8' =8DA=076 ' 75' =759E0856 ' <4.2' : 7 : : 406 ' 75' 7.205' 35A4.6 ' 49' 49D4=8.479' 73' .20' 28 : : @' =79G 60SA09=06' 73' =79=75D ' 8 : : 0856' 79' =7496' 73' .20' KA948' 38C4"@ ' 8"67' 79' C0D8"6' 73' KA"4A6' 00685' " 9.79@' 0 : 4DA6 ' ABA6.A6 ' 06 : 86489 ' 4.A6 ' 7C4.489' M60D' ' %' 9.7949A6 ' " A50G "4A6 ' " ; 4976*

' 7& 1 <7289D6' 7490D ' 27"DG 49B' 8' C4"4.84@' 0964B9' : "8=0D' 79' .20' : 57<' 73' 2' B8""0@ ' 6@C ; 7"4=8" 73' .20' =79=75D' 73' .20' 85C@ ' 46' 8' .@ : 0' 37A9D' 79' =7496' 73' " 9.79@ ' 06 : 86489 ' 7C4.489 ' 05?: ' " A50"4D6 ' 759E' C7DA6* 1 00' ' ' , <7' 289D6' 7490D ' 7==A5' 79"64"?05' 73' 8" ; 4996' 89D' A : 409A6 ' <4.2' ' J ' ' ' 89D' ' ' &7* ' 89D' 79' 64"?05' 73' 858A64A6' <4.2' .20' "0B09D' " " ! ' ! 2500' 289D6' 7490D ' 8 : : 085' 79' =7496' 73' 9.7G 949A6 ' 8"794A8 ' 89D' 8"05489 ' A9* ' 89D' .20' 68C0' 27"D49B' 8' =8DA=0A6' 79' 8' =749' 73' ABA6.A6* %" ' 0 '# * 1 6S : * F ' ' 0 '# 1 2060 "0..056' 8 : : 085' 79' .20' 0105BA0' 73' 8' =749' 73' & 58.489A6' 8"67' 79' 790' 73' 207D764A6' * 1 ^ SA4"048 ' 375G C05"@' 8' 54=2' .7<9 ' 9085' .20' &A"3' 73' 094=0' 46' 97<' 8' 6C8""' ?4""8B0*0 0 #" 1 " " ' ' ' '# #" F / $ ' "0 / ' ' #" / ' 0! '# $ .E.' 89D954 ' 4" : " [* #" #" 20' C79.2' 73' 85=2* 1 " " ' ' 20' D06' 73' 85=2* 1 00' - ' 38C4"@* # * 1 9' 8' D09854A6' 73' .20' ' ' 38C4"@' 8 : : 0856' .20' 98C0' 73' " 0.' *' 8AD' .20' 208D' 73' "8AD4A6' 85=0 96 ' ; 0249D' <24=2' 46' .20' 0 ' M75' .2500' C096E' "0B6N ' 8""A64?0' .7' 246' =79SA06.' 73' 4=4"@" 9' .20' 50?0560' 73' .20' 68C0' D09854A6' 8 : : 0856' .20' <75D* # ' .20' 6A598C0' 73' .20' 8 ; 7?0E' C09.4790D' : "0 ; 0489' 38C4"@ ' " OO ' " ' S?4 S" " ' ' "W 0 ' 34?0' .4C06' 796A"N 1 ' 20' .@ : 0' 50 : 50609.6' .246' ?8"489.' =7CC89D05 ' ="7.20D' 49' .20' .7B8 ' =855@49B' 49.7' 2' .0C : "0

H ' ' +K *1 # *

89D' D40D' 50B50..0D ' 8.' 796.89.497 : "0' ' [' 6A : : 760D' .7' 28?0' ; 009' : 7467900 ' 49' . ; 0' [.2' @085' 73' 246' 8B0* 1 ' 246' =7496' 850' 73' .20' 24B206.' !' 5854.@ ' 89D' 7 9 ' .20C' "40' 46' 08""0D' 7 ' ' $ " ! ' (

' 8' 350SA09."@' 50=A5549B' : 5097C09 ' <24=2' 79' 64"?05' =7496' 73' .20' 4 C4"48 ' 9.7948 ' 89D' SA4"48' 38C4"406 ' 46' =7CC79"@' 37A9D' 7490D' <4.2' .20' + ' 73' 50"8.47?6' 89D' 89=06.756 ' 375' <0' 508D' ' !0 ! ' ' % ' ' ' ' ' ; ' ' ' ' + ' 9' "4F0' C89905' ' = !0 ! ' ' % ' ' 1 20 C : 0575' 7CC7DA6' 960D' . ; 0' 68C0' : 5097C09' 73' ' <24=2 ' 86' <0"" 86' .28.' 73' ' ; @' .20' 494.48"6' # 89D' # 46' D064B98.0D' 79' 246' =7496* ' ++ 1 00' + ' 38C4"@* ' 1 00' ' 38C* ' 1 00' # # 1 00' ' 38C*

' 8' : "0 ; 0489' 38C4"@# .6' 6A598C06 ' 79' =7496 ' 850' ' + ' 89D' 1 20 ?8540.406' 850' 375.@E64 I 1 C?6.' 73' .20C' 5850# 7990=.0D' <4.2' 4.6' 6A598C0' 73' 85=A6 ' 46' 8' D09854A6 ' 79' .20' 7 ; ?0560' 73' <24=2' <0' 508D' D _ > =# k ' ' ' ! % + I I ?4A* ' <4.2' 208D' 73' 0506*EN 144WR*/ ' C89' D54?49B' .<7' 7I09*

1 # 85496' 57BA6' <86' 790' 73' .20' C790@056' 73' ABA6.A6 ' 86' 46' 620<9' ; @' 246' D098544 ' <24=2' 850' 8"" 2797A50D' <4.2' .20' : 75.584.' 73' .28.' : 549=0# .' 46' : 57 ; 8 ; "0' .28.' .20@' <050' 6.5A=F' 8 ; 7A.' .20' @085' ?*=# ,# 6' .206D' D098544 ' <4.2' .20' 0I=0 : .479' 73' .20' 98C0 ' 73305' 97.249B' .28.' 50"8.06' .7' 57B96 ' ; A.' 50305' 49' 8"" .2045' .@ : 06' .7' ABA6.A6' 89D' 246' 38C4"@ ' 89D' .20@' 850' 8"67' 73' D7A ; . . (' 0I : "898.479 ' .' < D"# 6A334=0' .7' 97.4=0' 8' 30<' 89D' .2760' ; 5403"@' /EEE , + = + = (' - 9 75' < 9 9

3+ 1 9' .20' 7 ; ?0560' 86' 286' ; 009' 6.8.0D' .20' 208D' 73' ABA6.A6* 1 9' .20' 50?0560 ' .20' 208D' 73' K9"48 ' D8AB2.05' 73' ABA6.A6 ' ; 0. <009' .20' 208D6' 73' 84A6' 89D' A=4A6' 205' 6796' ; @' B54 : : 8* 1 246' =749' <86' 6.5A=F' 99D545 ABA6.A6 ' 8 ; 7A.' .20' @085' H */ 00' % ' 49' <24=2' .20E.@ : 0' 46' 0I : "8490D*

<7' C09 ' ="7.20D' 49' .20' .7B8 ' 6.89D49B ' 790' 73' <27C' 286' 246' 208D' "89508.0D ' .20' 7.205' <0856' 8' .A550.0D' =57 < 9 ' .20@' ; 7.2' 27"D' 8' 57"" 49' .2045' "03.' 289D6 ' 89D' 8.' .20' 300.' 73' 08=2' 46' 67C0.249B' .28.' 5060C ; "06' 89' 8".85 ' 75' : 0D06.8" ' 75 ' 86' 8?05=8C :' .249F6 ' .20' ' M75' =86F0.N ' 6A=2' 86' 4.' <86' =A6.7C85@' .7' : "8=0' 8.' .20' 300.' 73' 6098.7548"# 6.8.A06# ; 0' 68C0' <54.05' 50=7B94606' 49' .2060' .<7' 34BA506 ' ABA6.A6' 89D' B54 : : 8 ' 89D' .20' "8..05' 06 : 0=48""@' 357C' 246' .A550.0D' =57<9*

' : 5406.' ?04"0D' 6.89D6 ' 27"D49B' 49' 246' 54B2.' 289D' .20' + ' M75' 6C8"" =28"4=0' 960D' 49' 68=5434=0N# 496'46' : 0528 : 6'49.09D0D'375' ABA6.A6 ' : 57C7.0D' .7' ; 0' + $ ' ' 49' .20' @085' 73' #7C0' , *

7C0' : 40=06' 49' B7"D' 89D' L"F05' 73' .246' 38C4"@' 850' ; @' .20' C790@056' 73' ABA6.A6 ' 89D' .2050' 850' D098544' 506.750D' ; @' 58 89*

* 1 84A6' 766A.4A6 ' 8' ?05@' 54=2' C89 ' 600C6' .7' 28?0' 8D7 : .0D' ' <27 ' 8==75D49B' .7' .20' =A6.7C' 73' .2760' <27' <050

* 1 # '

8D7 : .0D ' "09B.2090D' 7A.' .20' 98C0 ' 89D' <86' =8""0D' * 1 = " ! ' <27' 46' 508D' 79' .20' D098544' 73' KA"4A6' 334685 ' <86' 73' .20' 766A.48' 38C4"@ ' . 28 .' 46' 73' .20' 0S906.5489' 75D05* 1 ' 6' 790' 73' .20' C790.85@' .54AC ? 456 ' 20' : "8=0D' .20' 34BA50' 73' 09A6' 4=.54I ' 79' KA"4A6L6' =7496 ' .7' 49D4=8.0' .20' "8..05L6' : 50.0964796' .7' D4?490' 754B49*

' .20' 60=79D' <430 ' 86' 4.' 46' ; 0G "40?0D ' 73' 8"05489A6 ' 89D' .20' C7.205' 73' 8"054E 8996# A9* 1 246' : 549=066' 46' F97<9' 79"@' .257AB2' .20' C0D8"6' 79' <24=2' 205' 98C0' 86' ! ' $! ! ' 8 : : 0856 ' 89D' 357C' <24=2' 4.' 46' 4930550D' .28.' 620' D40D' 8.' .20' ; 0B49949B' 73' 8"05489L6' 504B9# .' 46' 6.4"" 8' C8..05' 73' D7A ; .' 9D40.205' 620' <86' .20' <430' 73' 8"0548996 ' ; A.' 620' =05.849"@' <86' 73'24638C4"@# 05' 64"?05' =7496 ' 75' 58.205') ' 850' ?05@' 5850 ' 79' .20' 50?0560' 73' <24=2' <0' 600' 8' : 08=7=F ' .20' 6@C ; 7" 73' 205' ' 20' ; 5866' 850' 6.4"" 58505* 1 00' F05C89L6 C7.0' 79' # % * 1 00' # ' # ' ' 4S? ' 79' 8' =749' 73' 057*

1 # $ % ' " o ' ' $ ' ' ! $ ' ' , ' 1 ' * 1 ' 00' # +

' 75' 98?8" : 7<05' 46' D097.0D' 79' #7C89' =7496' ; @' .20' : 57<' 73' 8' 624 : ' 86' 79' 8' D09854A6' 73' 7C : 0@' .2D' &508.' M<4.2' "0B09D' # =76*N ' 75' ; @' .20' #7C89' 8B"0' 89D' .<7' 6.89D85D6 ' .20' "8..05' 506.49B' 79' .20' : 57<6' 73' ?0660"6 ' 79' 8' 60=79D' ; 5866' 73' 05B4A6' &8" ; 8* 1 ' 20' : 560.7548 9' B8""0@ ' <4.2' 57<056 ' 8"67' 605?06' .7' C85F' .20' + 7 ' 89D' =7CC89D' 73' .20' 608' 86' 79' C0D8"6' 73' 8D5489' 89D' 7.205' 0C : 05756* 1 ' 00' # ' ' 89D' ! ' ' ! # ' " ' % 1 .' 46' 7 ; 605?0D' ; @' "A.85=2' 49' .20' ; 0B49949B' 73' 246' "430' 73' .246' C89 ' 0997 ; "0D' ; @' ' C89@' =796A"8.06' 89D' ; @' .<7' .54AC : 26' .28.' 20' 28D' 97' ' 75' .245D' 98C0# 28.' .246 ' 27<0?05 ' 46' 97.' .7' ; 0' 5030550D' .7' .20' 09.450' 38C4"@' =8""0D' 8C79B6.' .20' #7C896' ; @' .20' 98C0' 73' ' ; A.' 79"@' .7' .20' ; 589=2' 73' .20' 27A60' <209=0' ' D06=09D0D' * .20' 6A598C0' 73' ' + ' 89D' 73' ' 6.5A=F' 79' 7.205' =7496' 73' .20' 68C0' 38C4"@' 605?0' 8 ; A9D89."@ .7' 620<*

' " ' % ' =8""0D' 8"67' D38O' ' 89D' ' 357C' ; 049B' 89' 85.434=05' 49' 4579' 89D' 89' 85C7A505 ' ; 0=8C0' 8' #7C89' &09058" ' 89D' : 57="84C0D' 24C60"3 C : 0575' ' > ' ; @' 38?795' 73' .20' &8A"462" "0B4796 ' 83.05' .20' D08.2' 73' 4=.7549A8# 0' <86' 8' ; 7"D' 89D' 8=.4?0' C89 ' =796 : 4=A7A6' 375' : 57D4B47A6' : 7<056' 73' ; 7D@ ' 89D' 73' 06 : 0=48# 6.509B.2' 49' .20' A60' 73' 246' 289D6' 89D' 349B056# ==75D49B' .7' # ' 20' 504B90D' 79"@' .2500' D8@6' 28?49B' ; 009' F4""0D' ; @' 790' 73' 246' 89=409.' =7C58D06' <4.2' 8' 6<75D' <24=2' 20' 28D' 24C60"3' 38 ; 54=8.0D# 20' C7D0' 73' 246' D08.2' C8@' 28?0' ; 009' 8A.209.4=8""@' D06=54 ; 0D' ' ; A.' .28.' .20' =8500' 73' 246' A6A5 : 8.479' 627A"D' 28?0' ; 009' 67' 0I.50C0"@' 6275.' 46' 6=85=0"@' =50D4 ; "0 ' <209' 50B85D' 46' 28D' E.7 .20' 8 ; 4CD89=0' 73' =7496' M73' "4C4.0D' ?8540.@N' 6.5A=F' <4.2' .20' 98C0' 89D' : 75.584.' 73

8409.4A6 ' "4D94A6 ' 89D' 796.89.490 1 :89E #0449 ' 49# F46' T' 606856' 73' KA"489 U' 7;605?06 1 ' U' 9=409.' C0D8"6' :50609.' .7' 76' .246' 679' 73' KA:4.05 '97.'79"@ A9D05'.20'4C8B06'73'89'8?09B49B ' 8' ?4=.7547A6 ' 89D'8' 34B2.49B' B7D 1 5' ' '# + 1 498' <75D ' 20'<27' .8F06' D0"4B2.'49 '97.249B' ; A.' <85' 89D'07C ; 8.6 ' ; A.' .20@' 8"67' D064BA8.0' 24C' .7' A6' A9D05' .20' 8: :08589=0' 73' 8' :08=08 ;"0' 89D' :08=0EC8F49B ' 8' :50605?49B ' 89D' 38.205"@' D04.@ 1 5'# $ ' # ' ' 'F ' # '49' 75D05'.7' .08=2' A6' <28.' 850' .20' DA.406' 73' =79SA05756 ' 89D' 0?09' <28.' 7AB2.' .7' ;0' .20' 84C' 73' .2045' =79SA06.6"U 1 ' 89DA 4' B4?06' 8' 60=79D' ;5866' 73' ' <4.2' 89' 85C0D' 856' <8"F49B ' 89D' .20' "0B09D' # # # #' 1<! :' ' M 7' 856' .20' 50605?05' 73' 7A5' C:0575*N # ' #* 1 ? ' 28"3E98F0D' 34BA50' 73' 8' C89 ' <4.2' 20"C0. ' 8' ;589=2' 49' .20' 54B2.' 89D' 8' 286.8' 49' .20' "03.' 289D# 9' 64"?05' 73' # 0?05A6# 856' 2050' 0855406' .20' 7"4?0' ;589=2 ' 8' 6@C;7"# 73' :08=0* 1 6' .20' 6A: :760D' 38.205' 73' .2045' =4.@L6' 37A9D05 ' .20' #7C896' M7;605?06' 84""89.N' :84D' .20' 24B206.' 2797A56' 73' .2045' 50G "4B47A6' <75624:' .7' 856 ' <27C' .20@' D097C498.0D' ' 89D' 733050D#68=5434=06' .7 ' <209' 79' .20' :749.' 73' <85 ' ;A.' <27C' .20@' =8""0D' # ' <209' .20@' 09.050D' 49.7' :8=434=' .508.406' <4.2' .20' 090C@# 7' .246' ?4D' 8""AD06' 49' .20' H5D' ;77F' 73' 246' ! /1

> D ' ! ' ' ' ' ! '

' # * 1 246' D0D4=8.479 ' <4.2' .20' 4C8B0' 73' .20' B7D' 27"D49B' .20' 7"4?0' ;589=2 ' 8: :0856' 79' 8' 64"?05' =749' 73' 7"96489A6 ' <27' .2A6' 866AC06' .7' ;0' 856' .20' 8=434=8.75 ' 75' 08=0E;08505 ' 79' 8==7A9.' 73' .2D' :08=0' C8D0 ' A9D05' 246' 38.205 ' <4.2' .20' 89D8"6# 20' 68C0' "0B09D' 8: :0856' 79' =7496' 73' "75489A6 ' =* # ' # ' # # * 1 246' 90<' .4."0' 79' 8' 60=79D' ;5866' 73' 796.89.490' 286' 375' 4.6'8==7C :89@49B' .@ :0' 89' 85C0D' 89D' 20"C0.0D' 0334B@' 73' 856 ' A9D05' <2760' "4908C09.6' 0B05' .249F6' .20' 308.A506' 89D' 20"C0.' 73' 796.89.490' 24C60"3' 850' :"849"@' .7' ;0' 50=7B9460D# 09=0' 20' 7;605?06' <0' C8@' A9D056.89D' .28.' 4.' <86' .20' 0C:0575' 24C60"3' 58.205' .289' .20' 208.209' D04.@' <27' 46' 79' .246' C0D8"# 50:50609.0D# 796.89.490' 46' =8""0D' 856' 79' .20' 7==86479' 73' 246' B508.' 6"8AB2.05' 73' .20' ! ' 89D' ' 89D' 246' =8:.A50' 73' .2045' F49B6 ' .2A6' + ' &8A" .7' .20' 0C:450*

20' 6A598C0' 73' ' '46' 37A9D' 8664B90D' .7' ' 97.' 79"@' 79' =7496 ' ;A.' 79' 89' 89=409.' 496=54:.479 ' B4?09' 49' &5A.05 1 M:# ?44*N

' 46' =8""0D' 8.05 ' 86' 4;05' M75' 8==2A6N' <86' =8""0D' 8.05 ' 89D' 86' K89A6' <86' =8""0D' 8.05 ' ;0=8A60 ' 86' 8="89.4A6' <54.06 ' 4.' <86' T .20' =A6.7C' .7' 49?7F0' ;@' .28.' 98C0' 0?05@' B7D' <209' 7330549B' .7' 24C' 67"0C9' 54.06' 89D' :58@056 U' ;064D06 ' <27' D706' 97.' F97<' .28.' 856' <86' =7CC79"@' 20"D' .7' ;0' .20' :8502.' 73' .20' #7C896z # ' # ' *' # # M 7' .20' 0?05' ?4=.7547A6' 8.205' 856N* 1 9' 897.205' 60=79D' ;5866' 73' 796.89.490' .20' &508.' 8: :0856' .246' 0:4B58:2 ' 89D' 4.' 7==A56' 79"@' 49' .20' =860' 73' .246' 0C:0575*

*# # *

' # &# # &# * 1 85. ' 49' C4"4.85@' B85C09.6 ' 6.89D6' <4.2' 6:085' 49' "03.' 289D ' 89D' 7496' 246' 54B2.' 289D' .7' .28.' 73' 8' <7C89' 6.89D49B' ;03750' 24C ' ;0.<009' ;7.2' 46' .20' <7"3' 6A=F"49B' .20' .<496* 1 #06:0=.49B' .246' 0:4B58:2' 89D' .@ :0' 79' 8' 64"?05'=749' 73' 8109.496 ' =F20"# 7;605?06' .28.' ' # + ' + ' "4F0'# + ' + '6 ' 79' 8' B7"D' =749' 73' .20' 68C0' ' 46' 8' 90<' .4."0' =79.54?0D' ;@' .20' 49B09A4.@' 73' 8109.4A6 ' .7' ;0' =7930550D' A:79' .246' D04.@*

84#89.' 68@6' T' .' 8' .4C0' <209' 796.89.490' <86' 49' :76606647' 9' 73' B508.' :85.' 73' .20' 0C:450 ' 89D' &8"0549 6' <4.2' 4=494A6' B7?0590D' 8' 6. "# "85B05' :75.479 ' 8109.4A6' 49?7F06' 856' 86' .20' 8A.275' 73' .20' 4.@' 73' #7C0 ' :58@49B' 24C' .28.' 20' <7A"D' 8C:"43@' 89D' :57:8B8.0' .20' ;7A9D85406' 73' 246' 0C:450*U

' # &98.75 ' 89D' # ' # E' & ' 754# M 856' .20' 28C:479' 75' 0309D05*N 1 ' 20"C0.0D' 34BA50' ="7.20D' 49' 85C7A5 ' <8"FG 49B ' <4.2' 6:085' 89D' ;A=F"05# 20' 375C05' "0B09D' 8: :0856' 79' 8' 64"?05' :40=0' 73' &75D489A6' 4A6 ' 89D' .20' "8..05' 79' 8' D09854A6' 73' &8""409A6 ' <27 ' 86' 246' =7496' .08=2' A6 ' :84D' :85.4=A"85' 8D758.479' .7' 856# 9D00D' 20' 46' F97<9' .7' 28?0' 58460D' 8' .0C:"0' .7' .20' <75624:' 73' .28.' D4?494.@' 49' .20' 45=A6' "8C494A6 ' 89D' .7' 28?0' =8""0D' .20' B7D' # + 0 ' 00' ; 1 (0""# 49D00D' 20' C4B2.' ;049B' 8.' .28.' :0547D' 6750' :50660D' 49' 0?05@' SA85.05' 73' 246' B7?059C09.' ;@' ;7.2' =4?4"# 89D' 37504B9' <856# M 84""89.*N 1 2050' 46' 8' 60=79D' ;5866' 73' 796.89.490' <24=2' :50609.6' 79' 4.6' 50?0560' .20' 98F0D' 34BA50' 73' 856 ' <4.2' 6:085' 89D' ;A=F"05' C850"A9B ' 89D' .20' 496=54:.479 # ' ' #* # ' #* ' 20"C0.0D' 34BA50' <8"FG 49B ' 27"D49B' 8' 6:0_' .5896?0560D ' 89D' 49' 246' "03.' 289D' 8' .57:2@' 506.49B' 79' .20' 627A"D05* 1 ' ?05@' 5850' B7"D' =749' 73' 57;96' ;0856' .246' "0B09D' 89D' 496=54:.479 ' ;@' <24=2' .246' <85"4F0' 0C:0575' 46' =7C:850D' .7' 856 197' 498:57:58.0' 75' A9G C0894B' =7C:"4C09.' .7' 8' :549=0' 73' <27C' 4.' 286' ;009' 50=75D0D' .28.' 0?05@' :85.' 73' .20' #7C89' <75"D' <86' 509D050D' =0"0;58.0D' ;@' 246' ?4=.75406*

^ 57C' 8' "85B0' ;5866' 73' 858=8""8*Q

' # * 1 9' 97.4=49B' .246' "0B09D' 73' 06=099496' 4B05' * 84""89.' "# ' 44# > N 7;605?06' .28.' 856 ' 49' 246' SA8"4.@' 73' :5064D49B' 7?05' <85' 600C6' .7' 28?0' 28D' .20' =7B97C09' 73' ' 8664B90D' .7' 24C' 89D' .28.' 86' .20' =7496' ;08549B' .28.' 0:4B58:2' D097.0' 4.' 46' :57;8;"0' .28.' 06=099496' :05375C0D' 68=5434=06' .7' .20' &7D' 73

> ' b *

a* 1 850.8' 1 'F ' 73' 24"4:' 99
, # 1 ' S3' 8"05489A6' A9*
, , # 1 ' ; '73' 796.89.490'.20' &508.*
7' 97' "4?49B' C7.205' <86'.2050' ;@' 89@' 679
;049B' 0C:0575 ' 89@' =749' 6.5A=F' 50:50609.49B'
.<7' :75.584.6 ' 0I=0:.' .7' .2760' <27' 04.205' 28D'
C49B"0D' 49' .20' 8 8456' 73' 6.8.0 ' 75' 28D' 67A6'
A9D05' .2045' BA85D489624:' <27' <050' 83.05< 5D6'
8D?89=0D' .7' .20' 0C:450# 3' .2060' .2050' <050'
64I ' ?4*' ' <4.2' 4;054A6# >#' ++ '
<4.2' 8496'M 8"4BA"8N# # ++ ' A9*' <4.2'
057# # . ' <4.2' 858="""8' 89D' &0.6'
<2760' =7496 ' 27<0?05 ' <050' 6.5A=F' <4.2' .20'
208D6' 73' .20' 6796' A:79' .20C' D.4549B' .20' "430G
.4C0' 73' .2045'38.205' 0?0C6# # - 'F '
<4.2' "8B8;8"A6# # - ' ' <4.2

#' # 00' AC057A6
=7496' 73' :57E=796A"85' =4.406' 49' 648' 8..06.' .20'
<75624:' 73' .246' 25@B489'D04.@' ;@'.2350I24;4.479'
73' 205'4C8B0# 20' 68C0' ' . ' '
75' &508.' 7.205' 73' .20' &7D6' =0"0';58.0D' A9D05'
67' C89@' 98C06' <86' <75624:0D' 49' 205' 49C76.'
689=.A85@' A9D05'.20' 375C' 73' 97.249B' C750' .289'
8' 2"8=F' 6.790' " + ' %' 86' 597;4A6' #
44*' 357C' :056798" 7;60.?8.479' D06=54;06* 1 05'
.0C:"0' <86' 50:8450D' ;@' ABA6.A6* 1 6'4D09.4340D'
<4.2' ' @;0"0' =855406'.20' 3 + ' ;@
<24=2' .20' .05506.548"# B"7;0' <86' 64B94340D' 89D'
.20' .7<056' 79' 205' 208D' ;06:08F' 205' 493"A09=0'
7?05'.7<96*

#' # 89D' ' * 1 '
@;0"0' 608.0D' ;0.<009' .<7' "4794i' 75' @;0"0

6.89D49B' <4.2'8' "479' 8.' 205' 300.* 1 9' B7"D'
64"?05' 89D' ;5866' 73' - ' . ' =8""0D' 79' .20'
7;?0560' ! o! ' & 1 20 8C;4.47A6' <430' 73'
0?05A6' 46' 97.' C750' 39""@' 0I24;4.0D' ;@' .20' .4.."0'
73' ' .289' 620' 46' 86' @;0"0 '
2A.' 79' .20' 8;7?0' =749 ' <4.2' .20' 0:4B58:2' 73'
' . ' 620' 46' 50:50609.0D' 86' .27AB2'
@;0"0' 89D' KA"48' <050'.20' 68C0*
' # # * 1 9' 205' =7496 ' 49

B7"D' 64"?05 ' 89D' ;5866 ' KA"48' 79C8' 6.89D6

?04"0D' ;03750' 8' 6C8""# 8".85 ' 89D' .<7 ' 75' .2500'
C4"4.85@' 0964B96 ' :05375C49B' 68=5434=0 ' 86' .27AB2'
:85.8F49B' .20?=7A9=4"6' 73' 205' 2A6;89D' 49' 246'
<85"4F0' 0I:0D4.4796 ' 620' 49?7F0D' 6A==066' 79' 246'
09.05:54606 ' 89D' C8D0' 20560"3' 8' =79675.' 49' 246'
?4=.75406* 1 246' .4.."0' 73' ' ' =79G
30550D' 375' .20' 3456.' .4C0' 79' .20' A9<75.2@' <430' 73'
A50"486 ' <86' 83.05<85D6 ' 49' .20' 68C0' 6:454.'
73'=79B58.A"8.479' .7' .20' 2A6;89D' ;06.7<0D' 79' .20'
C86=A"490' 89D' 8C;4.47A6' 0C:5066' 73' 0:.5C496'
0?05A6* 1 (0' 600' .20' 68C0' 496=54:.479' 89D' 8'
64C4"85'.@:0' 79' 8' C0D8"# 73'- 'F ':' <2760'
="84C' .7' .246' C85.48"# 8::0"".8.479' 73' 2797A5'
86' 89' 4C:0548"# +' ' 46' 49' "4F0' C89905'
6A;6.89.48.0D' ;@' 205' 246.754=8"# =2858=.05' 86' 8'
=7A58B07A6' :549=066' 89D' 8' "08D05' 73' 85C406*
.20'D8AB2.05' 73' 85=4898' 89D' 940=0'
73' 58 89 ' 620' <86'.20' C7.205' 73' 8;498 ' <27'
;0=8C0' .20' <430' 73' 8D5489# 20' <86' D0="850D'
'8"79B' <4.2' "7.498 ' ;@' 8' D0=500' 73' .20'
098.0' 8;7A.' .20'@085' 73'
2546. ' , , H' :76606649B'
8"""# .20' ?45.A06' 73' 205'
C7.205' 620' 0SA8""@' 50G
=04?0D' <4.2' 205' .20'
2797A56' 73' .20' 8:7.207G
646' A9D05' .20' 504B9' 73'
8D5489 ' 67C0' 68@' 73'
9.7949A6' 4A6# 20'
C0D8"6' 73' 8.4D48' "4F0'
.2760' ' "7.498' 89D' 85=4898' 850' 49' 08=2'
C0.8"# 73' .20' 24B206.' D0B500' 73' 5854.@' 06:0=48 @
.20'3456.';5866# 9'.2060' 620' 46'6.@"0D' P4 #
&# * 1 ' &# ' #E
' 4 W* 1 8"67' '
* 1 20' 8990I0D' =A.'46' 357C' 8' D09854A6'
49'.20' 54.462' A60AC*
' ' # # &# "' '
' % 1 246' "0B09D' <4.2' @;0"0'
54D49B' 79' 8' "479' 8::0856' 79' 3456.' 89D' 60=79D'
;5866' 89D' 79' 64"?05' 73' 7CC7D96' <27' <4.2' 246'
=2858=.0546.4=' 8AD8=4.@' <24"6.' 20' <86' ?47"8.49B'
0?05@' "8<' D4?490' 89D' 2AC89' =8""6'.20' 7.205'
73'.20' &7D6' 246' :50605?05' 49' "4F0' C89905' 86' 79'
7.205' C0D8"6' 20' 60"0=.6' KA:4.05' 24C60"3' 86' .20'
6:79675' 375' 246' 60=A54.@' " + ' %'
89D' 86' .20' D0309D05' 73' 246' 208".2' 89D' 6830.@'
" ' %
* # ' ' # * 1 ' .0C:"0'
49' <24=2' @20"0' 46' 608.0D' 79' .20' 7A.64D0'
6.89D6' .@6' 9085' 8' .500' <24=2' 20' .7A=206' <4.2'
246' "03.' 289D* 1 579\0' C0D8""479' 73' 8A6.498'
609475*
20' .@:0' 73' @;0"0' 75' C7.205' 73' .20' B7D6'
46'=7CC79' 79'.20' =7498B0' 73' 8A6.498'.20' 0"D05'
;A.' 79' .246' 0I=00D49B"@' 5850' C0D8 479' <0' 600'
8"67' 49.57DA=0D' .@6' ;7.2' .20' :5406.' 89D' .20'
"7?05' 73' @;0"0# 0' 6.89D6' 9085' 8' .500' 89D'
.7A=206' 4. ' 04.205' ;0=8A60' 20' <86' D0.0=.0D' ;@'
.20' B7DD066' 49' 8' 375;4DD09' 8C7A5' 89D' ;049B'
67AB2.'83.0 '.7' 50=04?0' :A9462C09. ' 24D' 24C60"3'
A9D05' 8' :490'.500 ' 75' ;0=8A60' 20' <86' =289B0D'
49.7' 8' :490'.500' ;@' @;0"0' M<24=2' 850'.20' 60?058"
7:494796' 73' =05.849' C@.27"7B46.6N' 75' ;0=8A60'
.246' <86' .20' ?05@'.500' 79' <2760' 0I46.09=0' D0G
:09D0D' .20' "430' 73' .20' 9@C:2' F ' <4.2'
<27C' .@6' 28D' 38""09' D06:058.0"@' 49' "7?0' 89D

p' p + *

.7' 509D05' 24C60"3' 86' CA=2' D0.06.0D' 2@' .20' #7C896' 86' 84DC4946' 24C60"3' <8W# 246' 208A.43A"# 89D' 8==7C:"4620DO' ;A.' 4 EC899050D' :549=0' P<27' <86' 04B2.009' @0856' 73' 8BO' <209' ="7.20D' <4.2' .20' :A5:"0' 09 7@0D' 246' 2797A56' ;A.' 2' 6275.' .4C0' 375' ;049B' 7;"4B0D' .7' 749' 246' 38.205' 49' &05C89@' 20' <86' 866866498.0D' <4.2' 24C' ;@' 246' 67"D4056' 9085' S4A"048' M>H N' A6.' 86' 20' <86' 79' .20' :749.' 73' A94.49B' 246' ;85;85489' ;"77D' .7' .28.' 73' .20' 4""A6.547A6' 38C4"@' 73' 9.7G 949A6' 4A6' ;@' 8' C85548B0' <4.2' KA948' 8D4 8* 15' 46' 64"?05' =7496' 850' 5850' .20' B7"D' OI=00D49B"@' 67' .20' ;5866' 6=85=0# 0' 46' 6.@"0D' 7# # + ' +EEEE + ' .4 * $ n

+ ' ' ! ' ;7C' *49' 8 38C4"@ 73' "4.."0' D46.49=.479' 49' :849' 20' 5760' 357C' 605?49B' 49' .20' 85C@' 73' 54.849' .7' ;0' 8' B09058# A9D05' 207D764A6# 5734.49B' ;@' .2 4' 28.50D' 09.05.8490D' ;@' .20' "0B4796' 49' .28.' 46"89D' .7<85D6' &58.489' <27' 90B"0=.0D' .20C' 20' =75G 5A:.0D' .2045' 34D0"4.@' 89D' <86' :57="84C0D' ;@' .20C' C:0575# 246' A6A5:05'.209' :8660D' 7?05' 357C' 9B"89D' 49.7' &8A"' H H' 89D' 8660CG ;"49B' 857A9D' 24C' 8' "85B_' 375=0' C85=20D' 8B8496.' &58.489' <27' <86' 09=8C:0D' 9085' 8546' 60DA=0D' .28.' 0C:0575L6' 85C@' 357C' .2045' 8""0G B489=0' 89D' =8A60D' 24C' .7' ;0' 866866498.0D' 8.' @79' .20' 68C0' @085# 2A6' ;0=7C0' C86.05' 73' &8A"' : 49' 89D' 54.849' <4.2' 8""# .20" "0B4796' 73' .20' <06.' A9D05' 246' 75D056' 8I4CA6' 67AB2.' 8""489=0' <4.2' 28 D764A6' <27' 79' =05.849' =79G D4.4796' C8D0' 49' 38?7A5' 73' D09.49489' .2' 0=79D' =7930550D' 79' 24C' .20' .4."0#73' ABA6.A6# 0' 6A;60SA09."@' 06.8;"4620D' 246' 5064D09=0' 8.' 50?06' 509D0549B' 24C60"3' 375C4D8;"0' .7' .20' 98.4796' 6A557A9D49B' 24C' 06:0=48""@' .7' .20' &05C896' <27C' 20' "84D' A9D05' .54;A.0# 46' Y8C;4.479"08D49B'24C' .7' D54?0'KA6.498' 89D' 8"09E' .49489' *' W357C' 4"89' 20' <86' 8..8=F0D' ;@' 207D764A6' D0308.0D' 79' .20' 8?0' 9085' 46=48' 89D' ;049B' .8F09' :5467905' 8.' SA4"048' <86' :A.' .7' D08.2' ;@' .20' 67"D4056' 73' 207D764A6' 49' 6:4.0' 73' .20' <462' 73' .28.'0C:0575' .7' 6:850' .20' "430' 73' 8' C89' <27' 28D' 27C0' <4.2' B"75@' .20' .4."0' 73' ABA6.A6' 375' C750' .289' 34?0'P@0856*1' T' 58?0' 6"9 0D' 49' <85' 8=.4?0' 89D' ?4B757A6' .246' .@589.' M68@6' 08A?846N' <7A"D' 28?0' 8:: 0850D' <75.2@' 73' .20' .25790' 43' 20' 28D' 97.' 86=09D0D' 4.' !;@ C0896' 73' 8' =54C0*U 1 46' =7496' 850' 5850' 49' 'B7"D' 89D' 49' 60=79D' ;5866' =7CC79' 49' 64"?05' 73' .20' A6A8# 64\0' ;A.' 0I.50C0"@' 5850' 49' "85B0' 64"?05' 75' C0D8""4796' 89D' 6=85=0' 49' .245D' ;5866# 9' .2060' 20' 46' 6.@"0D' 7 ' ' 6! '#%' >

] + *1 & #

20' 8990I0D' =A.' 46' 357C' 8' 34A0' 64"?05' C0D8""479' 49' .20' 54.462' A60AC*

20' :75.584.' 73' 8B9A6' ' 8I4CA6' 79' 67C0' 73' .20' ;5866' =7496' 46' ?05@' 4_'Z D4330509.' 357C' .20' 8;7?0' W ' 86' 46' 620<9' ;@' 89' 0I8C:"0' 37A9D' 8.' #4=2;057AB2' 49' ' 09.' 89D' :A;"4620D' 49' 5' #78=2E C4.2L6' T 3"E .4SA4.406' 73' #4=2;7579B2' #0=A"?05' 89D' @C9=*U .' 8::0856' .7' 0I24;4.' CA=2' 49D4?4DA8"4.@' 73' 308.A506# !

+ ' " FK %' 79' .20' D08.2' 73' 796.896' *' <86' :57="84C0D' C:0575' 49' :849' ;@' &0579.4A6' 790' 73' .20' B09058"6' 73' .20' A6A5:05' 796.89.49A6' * # a# A.' D4?06.49B' 24C60"3' 73' .20' :A5:"0' 20' 50.A590D' 49.7' :54?8.0' "430' 89D' C4B2.' 28?0' D40D' 49' :08=0* 1 T' 20' =8:54=0' M27<G 0?05' 68@6' &4;;79 N' 73' .20' ;85;854896' <27' 58?8B0D' 4 849' 79=0' C750' 608.0D' .246' 4C:0548"' :289.7C' 79' .20' .25790' /;A.' .20@' 6779E5064B90D' 24C' .7' .20' A6.4=0' 73' 79754A6' 89D' .20' *.@589.' 8I4CA6' 83.05' 20' 28D' ;009' 620<9' .7' .20' :07:"0' 73' #8?0998' 89D' #7C0' <86' :A;"4="@' 0I0=A.0D' * # , ,*1 2050' 850' .<7' ?8540.406' 73' =7496' 73' .246' 8I4CA6' ;08549B' 246' :75.584.' 89D' .20' "0B09D' ' 6! ' # % ' C' 20' 50?0560' 73' 790' 46' 496=54;0D' !" $! ' & ' 8' 20"C0.0D' <7C89' 27"D49B' 8' B"7;0' 695C7A9.0D' 2@' 8' 4=.75@' 89D' .28.' 73' .20' 7.205' !" $! ' 1 ' 8' 64C4"85' .@:0* # # # 75' "* # $ ' ' ' - 1 20' A94=4:8"4.@' 73' 8"8BA5546' KA"48' M97<' 827550' 49' :849*N # ' ' # # ' ' ' ' ' > ' * # # # # ' * ' ' (' 7' Dm89' @;0"0' .20' B508.' C7.205' 73' .20' B7D6* & # 0D8""4796* 1 ?05@;7D@' 49' .20' "086.' 8=SA849.0D' <4.2' .20' .8"489' "89BA8B0' F97<6' .28.' .20' 8ABC09.8.4796' 09D' 49' ':' .2A6' 73' ' C0D8"' .20@' 28?0' C8D0' ' 20' 509=2' 28?0' ;7557<0D' 357C' .20' .8"4896' .20' <75D' = ' B589D' C0D8 "0' 89D' <0' 28?0' .8F09' 357C' .20' 509=2' 7A5' <75D' C0D8""479' ! .7' 0I:5066' 8" "85B0' C0D8"* '89' 8:: 0""8.479' B4?09';@' 49F05.79' .7' 8' =A547A6' .27AB2' 97.' A9=7CC79' ="866' 73' #7C89' :40=06' 97.' 49.09D0D' 375' =A5509=@' <24=2' =79646.6' 73' 6C8"" =7496' 75' ' 6=8..050D' 8C79B' .20' :07:"0' 79' 67"0C9' 7==864796' .2760' 6.5A=F' 375' .20' 6"8?06' 49' .20' 8.A598"48' ' :54?8.0

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v7A9.056' 375' B8C49B ' .4=F0.6' 375' ;8.26' 89D' 3086.6 ' .7F096' 49' =7 : : 05' 89D' "08D ' 89D' 50C8496' 73' 8' "4F0' F49D*

' 357C' .20' 509=2' <75D' = ' <24=2' .8F06' 4.6' D05#?8.479' 357C' .20' 8.49 ' ' 20' 8 : :0""8.479' 73' C0D8"' 46' B4?09' .7' 0?05@' :40=0' 73' B7"D ' 7 3'64""?05 ' 75' 73' ;5866 ' <24=2' ;0856' 89' 4C : 5066479' D064B90D' .7' : 50605?0' .2 ' 50C0C ; 589=0' 73' 8' B508.' C89 ' 73' 8' 67?0504B9 ' 75' 73' 8' 50C85F8 ; "0' 0?09.# "0D8"6' 75' =7496' 49' .20' 3' 60960' 73' .20' .05C ' C8@' 8"67' ;0' D03490D' 8_' : 40=06' 73' C0.8"' 79' <24=2' : A ; "4= 8A.2754.@' 286' 6.8C : 0D' D4340509.' 64B96' .7' 49D4=8.0' .2045' <04B2.' 89D' .2045' ?8"A0 ' 49' 75D05' 28.' 20@' C4B2.' 605?0' 375' .20' 8=SA464.479' 73' .249B6' 90=066 685@' .7' 2AC89' 0146.09=0 ' 89D' .28.' .20@' C4B2.' 38=4"4.8.0' =7CC05=0 ' <24=2 ' <4.27A.' .28.' C0896' 73' 0I=289B0 ' <7A"D' ;0' .77' D4.34=A".*

20' &500F6' =8""0D' C790@' 75' =7496' ?D!5A5 A8 ' .20' 8.496' ' 75' ' 20' 6=409=0' 73' C0D8"6' 286' ;009' =8""0D' ;@ C7D0C' 509=2' 85=2 r 7"7B46.6' 0

* 1 9D05' .246?.05C' 850 ' <4.27A.' D46.49=.479 ' =7C : 5460D' 8 ' C790.85@' : 57DA=.4796' 73' .20' 89=409.6 ' <20.205' 49E B7"D ' 64"?05 ' 75' ;5866 ' .20' ?7"ACO' 89D' <04B2.' 73' <49=2' C8.0G 548""@' 0I=00D' .20' A6A8" 64\0' 73' =7496' 6.58=F' 49' .2760' 506 : 0=.4?0' C0.8"6* 1 2050' 46 ' 27<0?05 ' 8' D4330509=0' 73' 7 : 49479' 8C79B6.' 9AC46C8.4=' 89.4G SA85406' 86' .7' <20.205' <28.' 850' =8""0D' C0D8""4796 ' <050' 75' <050' 97.' A60D' 375' C790@* 1 8.49' 7 ; 6052?06' .28.' .20@' <050' C8D0' 375' 97' 7.205 754B498" : A5 : 760' .289' .28.' 73' 68.463@49B' .20' =A54764.@' 73' : 549=06 ' 86' 46' D790' .7' .246' D8@' <4.2' 389=@' : 40=06' M:4k=0' D0' :"84605N* 1 K7 ; 05.' 49" 246' F ' ' = ' 50C85F6' .28.' .2045' <75FG C89624 :' <86' .77' 0ISA464.0 ' 89D' .2045' 6430' .77' A9<40"D@' 375' =7CC09' =A5509=@* 1 4C85D ' 49' 246' 246.754=8" 89D' =54.4=8" 97.06' 79' .20' <75F' 73' .20' "86.' 98C0D' <54.05 ' 8B5006' .28.' 4.' 46' C76.' : 57 ; 8 ; "0' 97.' .7' 28?0' ;009' .20' 49.09.479' 73' .2760 ' <27' 49' 89=409.' .4C06' =8A60D' C0D8""4796' .7' ;0' 6.58=F ' .28.' .20@' 627A"D' 6305?0' 375' C790@' ; A.' <4.2' 246' A6A8" =8A.47A6' 89D' D46=54C498.4?0' ADBG C09.' 8DD6 1 T ,' .249F ' 90?05.20"066 ' .28.' <209' .2760' :40=06' 28D' 3A"34""0D' .2045' 3456.' D06.498.479 ' 89D' <050' D46 : 0560D' 8 ; 578D' MD46.54 ; At06N ' 8' 3500' =A5509=@' <86' B4?09' .20C' 49' =7CC05=0 ' ; @' 50G BA"8.49B' .2045' ?8"A0' 49' : 57 : 75.479' .7' .2045' <04B2.' 89D' .7' .2045' 6.89D85D' 73' : A54.@# .' "086.' ' 28?0' .27AB2.' C@60"3' <85589.0D' 49' =7C49B' .7' .246' =79="A6479 ' 357C' .20' ? ' <24=2' ' 28?0' 6009' 79' 60?058" &500F' C0D8""4796' 73' .2S' C : 0548" 605406 ' 89D' 4.' 46' =05.849' .28.' .20' &500F' C0D8""4796' <050' 508" C790@# .' <26' D7A ; ."066' 83.05' .20' 0I8C : "0' 73' .20' &500F6 ' .28.' .20' #7C896' : A.' 8"67' .2045' C0D8""4796' 49.7" =45=A"8G .479' 86' =A5509.' =749*U 1 82AD9" ' .7' <2760' D46605.8.479' 79' .20' 68C0' 6A ; 0=.' 4C85D' 503056 # 6A : : 75.6' .20' 7 : 49479 ' T' .28.' C0D8""4796' <050' : 40=06' D46.49BA4620D' 357C' C790@ ' 86' .20@' <050' <4.2' A6' 357C' C0D8"6*U 1 A. ' 68@6' 4""49 ' T .2050' 850' ' <54.056 ' <27' 385' 357C' 09.05.84949B' .246' 7 : 49479 ' C849.849' 8B8496.' .20' 6@6.0C' 73' 82AD8" ' .28.' <0' 850' .7' 50=7B9460' C790@' 49' .2760' C0D8""4796' <24=2' 850' CA".4 : "40D' 357C' 8' : 40=0' B09058""@' 8=F97<"0DB0D' .7' ;0' C790@ ' 6A=2' ! 86' .20' ' 89D' .20' + ' .20' 79"@' 9==06' <4.2' <24=2' .20' : 57?49=0' 73' 648' : 8@0D' 4.6' .54 ; A.06' .7' .20' ' 7C8A' 50 C ; "4=' ' 89D' ; @' 898"7B@ ' 8"" .20' &500F' C0D8""4796' 73' .20' 68C0' <04B2.' 89D' 375C' # 4""49' 24C60"3' B706' 79' .7' 496.89=0' .20' 3490' B7"D' C0D8 47A' 73' .20' C : 0575' ABA6.A6 ' 37A9D' 8.' 05=A"890AC ' <24=2' T 7AB2. ' 20' 68@6 ' .7' ;0' 50B85D0D' 86' 8' : 40=0' 73' C790@ ' 67' "4F0<460' .2760' 73' 7C4.489' 89D' 7CC7DA6 ' 8"" .2060' SA8D5A : "06' 73' .20' ' 73' ABA6.A6 ' <24=2' <04B2' 9085"@' .<7' (28.0?05' C4B2.' 28?0' ;009' .20' <04B2.' 73' .2045' C79406 ' .20' #7C896' 904.205' F90<' 975' 0C : "7@0D ' C750' .289' .20' .<7' 6@979@C6 ' 89D' .7' D064B98.0' .20C' 8""# 8509' A50"4A6' =8A60D' 8' B508.' 9AC ; 05' 73' C0D8""4796' 73' .20' "85B06.' ?7"AC0' .7' ;0' 6.58=+' ' f ' 68@6 * A44A6' 8 : 4.7"49A6# ' : 85.4=A"85' <75D' <C4"D' 28?0' ;009' 49?09.0D' .7' 98C0' .2060' 0I.5875D4985@' : 40=06 ' 43' .20@' 28D' ;009' 89@.249B' 0"60' .289' 0I.58' 64\0D' C790@# 9' 4930509=0' 38?7A58 ; "0' .7' .246' 7 : 49479' M8DD6' 4""49N' 46' D054?0"3' 357C' .@ : 06' <24=2' 8D759' .20' #7C89' C0D8"6' 49' 08=2' C0.8"' .2060' .@ : 06' 89D' .2045' "0B09D6' 850' 8 ; 67"A.0"@' .20' 68C0' <4.2' .2760' 73' .20' 75D4985@' 64\0D' C0D8"6* (0' 349D' 49D000D ' 79' .20' C0D8""4796 ' 06 : 0=48""@ 357C' .20' 504B9' 73' &8 409A6' .7' .28.' 73' .20' 796.89.4906 ' .20' 34BA50' 73' ' 67C0.4C06' 8"790 ' 8.' 7.2056' A9D05' .20' 0C ; "0C' 73' .2500' <7C09 ' ; 08549B' 08=2' 8' ; 8"89=0# 2060' 6@C ; 7"6' 850' 8==7C : 8940D' <4.2' "0B09D6' A60D ' 49' 8' 64C4"85' Y=860' ' ' #'N' S ' #' ' & *' 89D' B > i '73' 546 : A6 ' 1 , 46' # # 7C0' ' 30<' 27<G 0?05' 49' 9AC ; 05 ' ; 085' .20' .<7' "0..056' 6# =*' .28.' !46' .7' 68@' F ' ' ' <24=2' 850' B090E' # 58""@' : "8=0D' 79' .20' ; 579\0' C0D8"6' 73' .20' .2500' C7DA"06' M3456.' 6M=79D' "89D' e.245D' ; 5866N' 89D' 8997A9=0' .20' 8A.2754.@' 73' .20' 098.0* 1 6 4.' 46' 97<2050' 508D' ."N8.' .20' 098.0' C8D0' "85B06606' 75' "4 ; 058"4.406 ' .20' : 40=06' <24=2' 28?0' .20' C85F' 73' .20' F ' ' "85B0' 89D' 208?@' 86' .20@ 98@' ; 0' <050' .20503750L6.58=F' ; @' 75D05' 73' .28.' ; 7D@' 79"@' .7' ; 0' A60D' 86' C790@* 1 ' 6' .7' .20' 506.' 4.' 46' B09058""@' .7' ;0' 7 ; 605?0D' 79' : 0D8 4796' 73' 84" .20' .2500' EC0.8"6 ' .28.' .20@' 850' <759' A6.' "4F0' .20' =7496# 246' <08549B' 73' .20' =749' 46' =05.849"@' 8..54 ; A.8 ; "0' .7' .20' 68C0' =8A60 ' 98C0"@' .20' =79.49A8" 5A ; ; 49B' .7' <24=2' =45=A"8.479' 0I : 7606' 8""# C79406# 20' C0D8""4796 * .20503750 ' M : 57=00D6' 4""49 N' 605?0D' 375' .20' 68C0' : A5 : 760 ' 8".27AB2' .20@' <050' CA=2' C750' 5850# 20@' C7507?05' 73.09' 0I24 ; 4.' 8' =2858=.0546.4=' <24=2' 79"@' ; 0"79B6' .7' C790@ ' 89D' <24=2' 46' .20' ?' 2045' 38 ; 54=8.479 ' .20503750 ' 286' 8"<8@6' 28D' 8' =7CC05=48" 7 ; 0=. ' 49.7" <24=2' .20@# 09.050D ' 83.05' 28?49B' 754B498""@' ; 009' : 50609.8.479' : 40=06" "+ ' ' % 1 A=2' M=79="AD06' 4""49N' <86' D7A ; ."066' .2045' 3456.' D06.498.479# 20' C : 05756' =8A60D' .20C' .7' ; 0' 6.58=F' 375' .20' : A5 : 760' 73' D46.54 ; A.49B' .20C' 79' 67"0C9' D8@6' 89D' 79' 7==864796' 7 3' 6.8.0' :7C : # 2760' <27' =8C0' 83.05<85D6' 49.7' : 766066479' 73' .20C ' <050' =7C : 0.09.' .7' 6A : : "@' <4.2' .20C' .20' <89.6' 73' "430' 89D' .20' D0C89D6' 73' =7CC05=0*U C79B6.' .20' 94A9 ; 05' 73' <54.056' 7 : : 760D' .7' .246' Y .2075@' 46' 7A5' 7<9' DD4679 ' <27 ' 49' 246' T' 48"7BA06

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C89624:' 8"C76.' 0SA8# 49' :749.' 73' 01SA464.09t66' .7' .28.' 73' .20' 34906.' 09B58?0D' .7906*

4""49' :"8=06' 8.' .20' 208D' 73' .2060' 89.4SA0' :40=06' 73' C0.8# .20' B7"D' C0D8""479' 73' KA6G .49489' 49' .20' 509=2' ' 49BL6' 8;490.# 246' C8B9434=09.' :57DA=.' 73' =7498B0' 97.' 375' C790@' :A5:7606' 46' C750' .289'V.2500' 49=206' M 509=2N' 49' D48C0.05' 89D' 49' :57:75.4798;"@' 24B2' 50"403# .6' 01.5875D4985@' ?7"AC0' 0SA8# .7' .28.' 73' .20' B7"D' C0D8""479' 73' = ' 620<6' 4.' .7' 28?0' ;009' 8::57:548.0D' .7' .20' 68C0' A60# 20' :05G 3758.0D' 58C6E27.96'")= ' 86' .20' 509=2' =8"# .20CN' <24=2' 850' 8..8=20D' .7' .20' 375C05' ="085"@' :749.' 7A.' .28.' 4.' <86' 754B498""@' D06.490D' .7' 605?0' 86' 89' 7598C09.' :549=4:8""@' 375' 6A6:096479' 357C' .20' 90=F*

(4.2' .2060' C0D8""4796' 627A"D' ;0' ="8660D' .2760' :40=06' <24=2' 850' 6A557A9D0D' <4.2' ;75D056' 09=45="0D' <4.2' 7598C09.8# C7A9.49B6' 89D' <2402' 850' D7A;"0' .20' 64\0' 73' =7496' .7' <24=2' 27<0?05' .2045'.@:06' 850' =7CC79# 7C0.4C06' .20' =45="06' 850' 73' .20' 68C0' C0.8# 86' .28.' 73' .2760' 01.58G 75D4985@' :40=06' 89D' 49' .28.' =860' .20@' 850' =79G .49A7A6' <4.2' .20'340"D' 73' .20' =749' 8.'7.205'.4C06' .20@' 850' 37A9D' =7C:760D' 73' 8' C0.8"*75'58.2 5' 73' 8' C4I.A50' 73' C0.8"6" % ' D4330509.'357C' .28.' 73' .20' C0D8""479' <4.2' <24=2' .20@' 28?0' ;009' 67"D050D' 83.05' ;049B' :"8=0D' ;0.<009' .20' D406# 2060' 675.6' 73' C0D4D"4796' D7' 97.' W7CC09=0' A9.4"' .20' 504B9' 73' 7CC7DA6#! 7C0.4C06'0?09' .20' =450"0' C8D0' 73' 8' D4330509.' C0.8"' 75'8 7@ j46' 4.60"3' 09="760D' 49' 8'54C' .20' C8.0548" 73' <24=2' 6.4""' D433056' 357C' 4.6' 7<9# 9' .2060' 649BA"854.406' 46' 6009' 8' C85F0D' 49.09.479' .7' :"8=0D' .20C' 7A.' 73' =A5509=@# .' <86' .20' =A6.7C' .7' A60' .2060' 01.5875D4985@' C0D8""4796' 86' 7598C09.6' 375' .20' D0=758.479' 73' C4"4.85@' 0964B96' <20.205' .20@' <050' 6A6:09D0D' .7' .20C' <4.2')= } ' 75'3410D' .7' .20' 6.89D85D6' ;@' C0896' 73' 27"06' :405=0D' 49' .20' =09.50' 73' .2045' D48C0.05' 75' <20.205' .20@' <050' 49"84D' 79' .20C' 357C' 6:8=0' .7' 6:8=0# 05G 28:6' .20' C0D8""4796' <24=2' <050' =7C:760D' 73' .<7' D4330509.' C0.8"6' <050' 0C:"7@0D' 375' .20' 68C0' :A5:760*

0D8""4796' 357C' .20' .4C0' 73' KA"4A6' .7' .28.' 73' 8D5489' 850' ?05@' A9=7CC79' 89D' 73' 0975C7A6' :54=0' 357C' 8D5489' .7' .20' ="760' 73' .20' <06.059' 0C:450' .20@' 850' B09058""@' 6:08F49B' "066' 5850#

20' "85B09066' 73' C0D8""4796' 46' 97.' .7' ;0' A9D056.77D' C050"@' 49' =7C:854679' <4.2' .28.' 73' =7CC79' =7496' 73' <24=2' .20' B508.05' 28?0' 67C0' 8D?89.8B0' 7?05' .20' 7.2056# 20' 64\0' 73' C0G D8""4796' 46' 67' =7964D058;"0' .28.' 4.' 67C0.4C06' 01=00D6' .20' 75D4985@' <04B2.' 73' C0D8"6' ;@' 790' 75'.<7:57:75.4796# 20'.24=F9066' .20' 24C8' 73' 50"403' 89D' .20' 01.09.' 73' 6A538=0' 850' .20' SA8"4.406' <24=2' 850' 20"D' ;@' 9AC46C8.46.6' 49' .20' 24B205' 06.00C*

'50C85F8;"0' D46.49=.479'E;0.<009' .27' &500F' 89D' #7C89' C0D8""4796' "406' 49' .2045' D4330509.' .24=F9066' .20' #7C89';049B' 73.09' .2500' 75' 37A5' "4906' .24=F'<24"6.' .20' 7.205' 60"D7C#01=00D' 790*

47990.' 49' 67C0' 7;605?8.4726' <24=2' 20' C8F06' M49' .20' :5038=0' .7' 246' =0"0;58.0D' <75F' . ' =' '+ +5' = '6 % 79' .20' C7DA"0' 73' .20' =7496' 68@6*1T 4"?05' C0D8"6' 73' .20' "85B05' 64\0' 86' .20@' 850' =8""0D 7AB2.' 97.' .7' ;7' =7937A9D0D' <4.2' C0D8""4796' .20@' 850' D46.49BA4628;"0' ;@' .20' 208D' 73' .20' 549=0z' <24=2' 46' 8"<8@6' 58D48.0D' <24"6.' 4.' 46' "8A508.0D' 79' =7496' 73' .20' =7CC79' 64\0# 2060' C0D8;' <050' 97.' 6.5A=F' .4""' .20' :0547D' 357C' 858=8""8L6' 504B9' .7' .28.' 73' .20' 0"D05' 24"4:' 49="A64?0*1 6' .7' C0D8""4796' 73' B7"D' 89D' 73' 64"?05' 4.' 46' ?05@' 086@' .7' 50=7B9460' .20C' 4.' 6A334=06' .28.' .20@' 850' 37A9D' .7' 01=00D' .20' A6A8# C7DA"0' ;@' .2045' <04B2.' 75' .2045' D48C0.05' <209'27<0?05' 73' 01.5875D4985@' D4C0964796' .20@' 850' 73' 01.50C0' 5854.@' 89D' 627A"D' 97.' ;0' C410D' A:' <4.2' .20' 6C8""05'64\0' <24=2' 49' B09058# 850' "066' 06.4C8.0D*1 5866' C0D8""4796' 89D' "85B0' ;5866' C0D8"6' 28?0' 375' .20' C76.' :85.' ;009' 350SA09."@' .20' 7;0=.' 73' C46.8F09' 97.4D96' <4.2' 8A.2756' 89D' =7997460A56# 7C0' 375' .20' 5B4B9' 73' 76.ACA6' 06:0=48""@' 28?0' B4?09' A6' 375' C0D8"G "4796' .20' =7496' <24=2' ;0"79B' 79"@' .7' "85B0';5866' <24"6.' 7." 056' 375' .20' 7<05' C:450' 28?0' :8660D' 733' 375"85B0';5866' <2S.' =89' ;0' 50B85D0D' 86' 97' C750' .289' C4DD"0';5866*U

20' 37""7<49B' 50C85F6' =79=05949B' .20' 6 ' 850' =2403"@' D58<9' 357C' 49F05.79' 89D' 4""49/1 89@' 73' .2060' 28?0' 6# =# 86' ;049B' 6.5A=F' ;@' 75D05' 73' .20' 098.0' 7.2056' 28?0' 97.' 86' ;049B' ;@' 75D05' 73' .20' C:0575# 3' ABA6.A6' 8' 97;"0' B7"D' C0D8""479' <86' 37A9D' 49' 05=A"890AC# 2050' 850' C89@' 73' 4;054A6' 89D' "8AD4A6# 7C0' 73' B54:.198' 057'."8";8' 06:86489' 89D 7C4.489' 850'8"67'01.89.# 2760' 73' 5S 89' 89D' 8D5489' 28?0' B09058""@' 8';578D' 54C' ;0@79D' .20' "0B09D' <4.2' 49D09.0D' =45="06# ;7?0'8""#43' <86' A9D05' .20' 504B9' 73' 9.7A494C' 4A6' 89D' 67C0' 73' 246'3456.' 6A==066756' .28.' ?05@' *349Ø C0D8""4796' <050'6.5A=F# 28.' 0C:0575'28D'8' # 50"4B47A6' 506:0=.' 375' 8"" <24=2' 50=8""0D' .20' 246.75@' 73' #7C0l6FE37A9D8.479' 89D' .28.' 73' 205' 3456.' 8 06# M2A6' <0' 349D' 79' .M060' C0D8""4796' P 05=A"06' <27C' .20' 4928;4.89.6' 73' 7A9.' ?09.490' .289F0D' 375' 28?49B' D0"4?050D' .20C' 357C' .20' B489.' 8=A6' "4F0<460' <0' 600' 758.4A6' 7D06' D0309D49' .20' A;"4=489' ;54DB0' .20' _94?8"' 73')6=A"8:4A6' 8.' #7C0' A9D05' .20' 375C' 73' 8' 605:09.' =4' =# 2060' C0D8""4796' C750G 7?05'50.58=0' C89@' 89=409.' 89D'4C:75.89.'308.A506' 73' C@.27"7B4=8" 89D' 20574=' 246.75@# ' C0D8""479' 73' 904 8' 50:50609.6' .20' =7C;8.' 73' .20' #7C896' 89D' .20' 8;4906' 89D' 0564"48' .257<49B' 20560"3' ;0.<009' 8.496' 205' 38.205' 89D' #7CA"96' 205' 2A6;89D* 1 '3490' 790#73' .20' 68C0' 0C:5066' 286' 375' .20' .@:0' 73' 4.6' 50?0560' .28.' "8D@' <8"F49B' 49' 8LB85D09' 89D' 60?058#" =A:4D6' 7?05.A5949B' 08=2' 7.205 1 T ' C00.' 0C;"0C' M68@6' 49F05.79N' 73' 205' ?8547A6' 8C7A56' 89D' <24=2' =8""6' .7' C49D' 98=5079L6' D06=54:.479' 73' 246' 2085.' 86' 8'906.' 49' <24=2' 7"D' "7?06' ;0B7.' @7A9B' 7906*U' 2050' 850' C0D8""4796' 73' 7CC7DA6' 50C85F8;"0' 375' .2045' 6A:05475'<75FC89624:'/ 790' 73' .20C' 49' ;579\0# 8.49'!286' 09B58?0D' 49' 246' T';' ' = 2' 73' <24=2' .20' 50?0560' 46' 0954=20D' <4.2' 790' 73' .20' 34 6.' 68=5434=48#" B57A:6' 8' C86.05E:40=0' 73' 89D09.' 85.*1 9' 897.205' 73' .246' 0C:0575'<0' 600' 24C' 89D' 246' =79=A;490' 85=48' .2045' 208D6' 7490D' 89D' 620' <08549B' 8' 20"C0.*1' 90' 73' 05.498I' 286' 375' 50?0560' .28.' 0C:0575' 68=5434=49B' <4.2' ! ' " $ 0!$ ' 3

[>' # *1 *

8?74D' .20' :0560=A.4796* *73' .28C86*# 0"4=05.8' .209' ;0=8C0' 8' C85490'D04.@ ' 89D' <86 <75624: : 0D' A9D05' .20' 98C0' 73' 8"60C79*# 46@ : 2A6' 496.4G .A.0D' .20' 6.2C489' B8C06' .7' 246' 2797A5*# 0' <86'50B85D0D' 86' .20' B7D' <27' =8C0' .7' .20' 6A==7A5' 73' .20' 624 : <50=F0D*# 20' #7C896' 28?0' =79G 37A9D0D' 8"CC7A' <4.2' .2045' .A.0"85@' D4?494.@' 73' .20' 608E : 75.6 ' 75.C99A6*1 00' ' ' ' ' 375' .20' 37""7<49B' .@ : 06/1 ' !

' 6' 50 : 50609.0D' 79' ' 3456.' ;5866' 6.5A=F' 8.' 7549.2' A9D05' 7C4.489*# 97' : 50G 609.6' 24C' 86' 8' 024"D' .7' 0 : .A90 ' <27' 46' 608.0D' 79' 8' 57=F' ;@' .20' 608E64D0 ' 2' D7" : 249' 46' 8.' 246' 300.' 8 ; 7?0' <0' 508D' # $ ' ! # ' M;@' : 05C466479' 73' .20' C : 0575N ' 50305549B' 67"0"@' .7' .20' C49.8B0' 73' .20' =749*

' "@49B' 79' .20' D7" : 249' <27' 68?0D' 246' "430 ' ;0249D' 24C' 46' .20' : 490E.500' 9085*# .7' <24=2' 20' 28D' 38""09 ' <209' 46@ : 2A6' .77F' 0850' 73' 24C*# 246' .@ : 0' <4.2' .20' "0B09D' ~ o ! ~ $ ' " ' ' - ' ' %' 8 : : 0856E 79' 8' =749' 6.5A=F' 8.' 7549.2*

20' 68C0' 6A ; 0=.' 46' 8""AD0D' .7' 79' 897.205' 7"7948" C0D8"' 73' .20' #7C897E 7549.248A' C49.' 6.5A=F' A9D05' 9B0"496*# 9' .20' 57A9D' .0C : "0' 73' 0 : .A90 ' 73' <24=2' .20' D7 : 0' 46' 375C0D' 73' 3462' 6=8"06 ' 89D' ..2050' 8' D7" : 249' 46' : "8=0D' 79' 08=2' 64D0' 73' .20' 5773 ' <0' 600' .20' 68C0' 50=AC ; 09.' 34BA50' 73' 8' ;7@' 79' 8' D7" : 249 ' 89D' 508D' .20' 68C0' 496=54 : .479' 73' ~ =79*

' .245D' C0D8"' 73' 7549.2' 0124 ; 4.6' 4.6' 8=57 : 7"46 ' 75' =4.8D0" ' <4.2' .20' .0C : "0' 73' 0 : .4C0' 79' .40' .7 : ' 89D' 8' B57..7' 8.' .20' ; 7..7C ' 49' <24=2' M020 ; 7D@' 73' ' 28D' ; 009' D0 : 764.0D*# 9' .20' 54B2.' 46' .20' : 490' <2050' 46@ : 2A6' 37A9D' 24C*# 8C0' 496=54 : .479*

9' 8' 37A5.2' C0D8"' 6.5A=F' ;@' .20' #7C89' =7"79@' 73' 7549.2 ' ' 46' 9009' 79' 8' D7" : 249*# @' 246' 64D0' 46' 46@ : 2A6 ' O9SA05D5' 8.' .20' 6.2C489' B8C06 ' <24=2' 20' 28D' 496.4.A.0D' 49' 2797A5 '73' 0"4=05.8*# 0' ; 0856' 8<8@' .20' ' 89D' .20' + ?' 6@C ; 7"6' 73' .20' : 54\06' 20' 28D' <79*

' 8' : "0 ; 0489' C4"@*# .6' 6A598C06' 850' A9=05.849*# .6' =7496' <24=2' 49' 64"?05' 850' =7CC79' 0124 ; 4.' 343.009' ?8540.406*# 7C0' <050' 506.750D*# ;@' 58 89' 89D' 850' ?05@' 5850*# 20' ;579\0" : 40=06' 73' .246' 38C4"@' 850'V : 85.6' 73' .20' 86*# 90' 73' .20' 6=85=0' .@ : 06' 5030S6' .7' .20' ' 8 ' 75' 306.4?8*" 73' 0506' 4.' ; 0856' 79' 4.6' 7 ; ?0560' 8' "8A508.0D' 208D' <4.2' =A5"0D' ; 085D ' .20' 496=54 : .479' =*# $! ' ~ ' # ' = ! $! / .20' 50?0560' 0506' 64..49B ' 8' 605 : 09.' 8.' 205' 300.' 49' 205' 54B2.' 289D' .2500' 0856' 73' =7C ' 49' 205' "03.' 8' D46.833' 89D' ! ' ' ~ * ' # $!

' (20.205' .20' <75D' / ' C8@' ;0' =79G 64D050D' 86' 8' =7B97C09' 73' .20' 0CC48' 38C4"@' 75' <20.205' 4.' 5030S6' .7' .20' 208D' 86' .28.' 73' %A4549A8' 75' #7CA"A6 ' 75' ; 7.2' .7B0.205 ' 46' 8' : 749.' 49' D46 : A.0' 8C79B' .20' "0859OD*# A.' .20' 50?0560' 73' .246' 5850' D09854A6' .0 206' A6' .28.' 0CC4A6 ' 49' 246' 0D4"0624 : ' <86' .20' $ ' <27' =0"0 ; 58.0D' 8.' #7C0' .20' ' 75' 3086.6 ' 49' 2797A5' 73' .20' &7DD0660 73' 85?06.6 ' 8' =050C79@' 20"D' 49' CA=2' =7964D058.479' ; @' .20' #7C896 ' ; A.' 73' .20' .4C0' 73' 3456.' =0"0 ; 58.49B' 4.' 97' C09.479

*1 # *#

46' C8D0' ; @' 89=409.' <54.056*1 (0' 600' 0506' <4.2' 605 : 09.' .75=2 ' 89D' =759E0856 ' .249B6' D0D4=8.0D' .7' .28.' D4?494.@' 79'8==7A9.' 73' .20' 085.2L6' 305.4"4.@*# 20' $8 ' 75' D46.833' 600C6' .7' : 749.' 205' 7A.' 86' : 5064D49B' 7?05' .20' D7C06.4=' =850' 73' C8.5796*1 ' 00' ' ' 89D' 1

20' 68C0' .@ : 0' 86' 506.750D' ;@' 58 89' ; 0856' 79' 4.6' 01.05475' =45="0' ! # ' ~ ' * ; ' ' <2 ' 7N L' (' (' 2 ' + ' ' ' ' 4 ' . ' # ' # ' 6

#*# J Y1 ' 8' =749' 73' 814E' C48996*

*1 00' * ' ~ ! ' 79' ' B7"D' C0D8""479' 73' 8109.4A6 ' 28?49B' 375' .@ : 0' 8' .0C : "0' <4.2' 89' 08B"0' 608.0D' 79' .20' 6ACC4.' 73' 4.6' D7C0*

* ! ' # *1 2050' 850' .<7' .245D' ; 5866' =7496' 73' "8AD4A6' &7.24=A6' M ; 7.2' 6.58=F' 83.05' .28.' C : 0575L6' D08.2 ' 86' .20' 49G 6=54 : .479' 73' ' ' *' 9' .20' 7 ; ?0560' ="085"@' 620<N ' ; A.' .20' .@ : 0' 73' 790' 46' 89' 08B"0' <4.2' 01 : 89D0D' <49B6 ' 89D' 73' .20' 7.205' 8' "479' 6.89D49B*

*! ' ' *1 9' 2' C0D8""479' 73' 60=79D' ;5866' 73' 796.89.496' 2"75A6 ' .20' .@ : 0' 73' <24=2' 46' 8' 57A9D' .0C : "0' 6A5C7A9.0D?;@' 89' 08B"0*

: 89204C ' 49' 246' =7CC09.8540 6' 79' .20' 6=6856' 7{ KA"489 ' 7 ; 605?06' .28.' A ' ') -[<86' 06.00C0D' .20' C76.' B"7547A6' 50<85D' 73' =79SA05756' 49' 89=409.' .4C06*# 09=0' : 57G =00D0D' .20' =274=0' 73' 6A=2' 496=54 : .4796' ?86 M2760' 73' ' ' 73' ' # + ' 89D' 73' ' ! ' <24=2' 850' 37A9D' 79' .20' =7496' 73' 67C0' #7C89' C : 05756 ' 6.5A=F' 83.05' .2045' D08.2 ' 89D' <24=2' ="085"@' C85F' .28.' .246' <86' .20' 09D' 89D' .5A0' C08949B' 73' .2045' =7960=58.479*1 ' 7507?05' <0' 349D' .2060' 496=54 : .4796' 8==7C : 8940D' 04.205' <4.2' .0C : "06 ' *75' <4.2' "4B2.0D' 8"..856 ' 75' 08B"06' MB09058""@' <4.2' 01 : 89D0D' A49B6N ' 75' <4.2' =856' D06.490D' 375' : A ; "4=' : 57=0664796 ' *.20' A6A8"' 6@C ; 7"6' 73' + ' 86' M8C79B6.' 7.2056N' 79' .<7' C0D8"6' 73' 796.89.4A6' * ' .20' 38.205' 73' 796.89.490 ' ; 7.2' 73' .20C' 6.5A=F' 8.' 50?06 1 790' <4.2' .20' <75D6' ' ; ' ' ' .20' 7.205' '

' +*1 9' 08B"0' *<4.2' 01G : 89D0D' <49B6 ' <4.249' 8' .0C : "0 ' 79' .20' 3540\0' 73' <24=2' 46' 897.205' 04 "0* 1 20' 7 ; ?0560' 286' .20' ' '73' 796.89.4A6' * 1 00' ' h* 1 1 '

' &# *' * *%*#* 1 ' 3A9058"' + ' D58<9' ;@' .<7' C44"06* 1 246' C0D8"' 49' "85BO' ; 5866 ' 89D' D67' 8' ; 579\0' C0D8"G "479' =4.0D' ;@' 750"" ' ; 085' 79' .20' 7 ; ?0560' .20' : 75.584.' 73' B54 : : 498' 609475' 6.5A=F' 83.05' 205' D08.2 ' 49' 014"0' A9D05' .20' =5A0"' 89D' A9 A6.' 4 ; 054A6' 89D' 50C49D' A6' 73' .20' .5896"8.479' 73' 205' 86206' 357C' .20' 46"89D' 73' 89D8.8548 ' 89D' 73' 8"" .20' 3A9058"' 2797A56' <24=2' <050' D0=500D' .7' 205' ;@' .20' 34"48" : 40.@' 73' 8"4BA"8' 205' 679' 8.' .20' 600C49B"@' 8A6 : 4=47A6' =7CC09=0C09.' 73' 246' 504B9*1 90.794A6' <2760' 8==7A9.' 46' =79345C0D' ; @' 479' 8DD6' .28.' .20' 8 ; 7?0E98C0D' 0C : 0575' =8A60D' 899A8"' 68=5434=06' .7' ; 0' 496.4.A.0D' .7' .20' C8906' 73' 246' C7.205' .7B0.205' <4.2' 45=096489

[[# # * 2" # # *1 #
.7' .28.' 73' 05=A"06 ' "4F0' .20' 208D' 73' K89A6* 1 '
05=A5@' 608.0D' 46' .20' C76.' 5850' .7' 20' C0.' <4.2#
46' :76.A50' 46' 8"C76.' A94375C"@' A:54B2.* 1 '
0B05' 27<0?05' B4?06' 8' ?05@' 5850' C0D8# 73'
4;054A6' 79' .20' 7;?0560' 73' <24=2' 46' .28.'
C:0575%6' 208D' "8A508.0D' <4.2' .20' =45=ACE'
6=54:.479' 4*' ' C*' &' ' &'!# 1 9'
.20' 50?0560'8::0856' 05=A5@'64..49B'79' 8' 57=F'
<4.2'8'=8DA00A6'49'246'54B2.' 289D' 89D' <4.2' .20'
496=54:.479'# 3 ! ' " 3 0! ' 0 $ 00 '
(4 ' =*:# *' ' 1 :89204C' M49' 246'
' ' $' - %' B4?06' A6' 79' .<7' &500F'
C:0548# C0D8"6# 05=A5@' <4.2' 8"" 246' 7CG
C09.6' 246' 28.' <4.2' .<7' <49B6' 246' =8DA00A6' 49'
790' 289D' 246' :A560' 49' .20' 7.205' 89D' 246' .<7'
<49B0D' ;A6F496' <24=2' 20' :A.' 79' <209' 20' :05G
375C0D' .20' :85.' 73' KA:4.05L6' C06609B05*
3' <4.2_' 246' 8..54;A.06' 46' D0:4=.A50D'
79' 8' 5850' .245D' ;5866' 73' "8AD4A6' &7.24=A6' <4.2'
.20' 0:4B58:2' # ! ' & 1 ' 28"3E98F0D' C8"0'
34BA50' <4.2' 58D48.0D' 208D' 27"D49B' .20' <49B0D'
=8DA00A6' 73' 3' 49' 246' 54B2.' 89D' 89' 496.5AG
C09.' "4F0' 8' .54D09.' 49' 246' "03.' 289D' 8:.0856'
79' 8' 3456.' ;5866' 73' ";49A6' <4.2' "0B09D' 73'
241 '# * &!# * 1 ' xCf85' 34BA50' 89D' .20'
68C0' "0B09D' 46' 6009' 79' 3456.' ;5866' 73' 0:.#
0?05A6*
3' 6.89D49B' <4.2' .20' ' 49' 246'
54B2.' 289D' 375C6' .20' 50?0560' .@:0' 73' 8'?05@'5850'
B7"D' =749' 73' &8""409A6' 496=54;0D' # '
+*1 9'4C8B0' 73' .20' 68C0' D04.@' 8:.0856'
79' =7496' 73' 050994A6' 76.4"489A6' 8";5489A6'
76.ACA6' 8549A6' 89D' AC05489A6/.20' 0:4G
B58:2' .7' C76.' 73' .2060' 46' ' ' &zW J*1'
9'8'B7"D'=749'73'&8""409A6' 05=A5@'8==7C:89406'
.20'"0B09D'73' # ' %*1 9'8'3456.'
;5866' 73' 85=A6' A50"4A6' 20' 8::0856' 49' 8'
.0C:"0' 89D' 8"67' <4.27A.' .20' .0C:"0# 00'
& &47' & *1 9' 8' 64"?05' =749' 73'
&8""409A6' 05=A5.' <4.2' 246' 8..54;A.06' 8==7CG
:89406'.20'"0B09D'73' ' &
3' D58BB49B' 8' 58C' .7' .20' 8".85' 46' .20'
.@:0' <4.27A.' "0B09D' 73' 790' 73' .20' ;08A.43A"
C0D8""4796' 73' 9.7949A6' 4A6*
3' .27AB2' 97.' A9350SA09."@' .@:4340D'
79' =7496' 73' #7C89' D40' 46' 50:50609.0D' <4.2' 246'
?8547A6' 8..54;A.06' 73' .20' :0.86A6' =8DA00A6' 89D'
=5AC098' 79' C89@' =7"7948" C0D8"6' ;08549B'
8.49' "0B09D6*1 00' ; + ' M 24"4:' 609*N'
! ' M 858=8""8' 89D' "8B8;8"A6N' 89D' 3 '
M 8"05489A6' 89D' 8"79498N*
' # &*1 20' B@:.489'
608E58C' <4.2' 27596' .A590D';8=F<85D6' "4F0'
.2760' 73' ' + 1 4"?05' 89D' .245D';5866'
73' &8""409A6*
20' 58C' 46' 2050' A94.0D' <4.2' 05=A5@';0=8A60'
86' 8A6894866' 83345C6' .246' D04.@' <86' 06.00C0D'
8;7?0' 7.2056' 86' .20' :57.0=.75' 73' 3"7=F6' 89D' 86'
.20' 620:205D6' =2760' 24C' 375' .2045':8.579' 20' 46'
37A9D' 79' 89=409.' C79AC09.6' 8667=48.0D' <4.2' .20'
58C'# .' 46' 8"67' 6.8.0D' .28.' 9085' 898B58' 49'
707.48' 8' .0C:"0' <86' 050=.0D' .7' 24C' A9D05' .20'
98C0' 73' ' + 1 20' 2547:275489' 05G
=A5@'286' 246' 289D'79'8'58C' ;A.' 79' 67C0' B0C6'
89D' 79'8' 7549.2489' =749' 73' # 09{6'.20' ' '
46' 6A;6.4.A.0D' 375'.20' ' +' .' 46' 97.'67'086@'
.7' 8664B9' .20' 508679' 357C' 89=409.' C79AC09.6
75' 89=409.' <54.056' <2@' 49' .246' 496.89=0' .20' 58C'
627A"D' 28?0' 8' 3462L6' .84" ' 0I=0:.' 357C' .20' 389=@'
73' :70.6' 89D' :849.056' .7' =289B0' 8"C76.' 0?05@'
894C8#" <24=2' .20' 085.2' :57DA=06' 49.7' 346206_1'
=F20" 1 4""49*
' *1 246' =45=AC6=54:G
.479' 8::0856' 79' B7"D' 64"?05' 89D' 6C8"" ;5866'
=7496' 73' 76.ACA6' <4.2' .20' 0334B@' 73' 05G
=A5@'6.89D49B'98F0D'<4.2'
.20' :8""4AC' .257<9';8=F'
79' .20' "03.' 627A"D05'
.20' :A560' 49' 246' 54B2.'
289D' 86' .20' .A.0"85@' 73'
C04L=289.6' 89D' 49' 246' "03.'
8' =8DA00A6*1 20' &8A"6'
M8==75D49B'.7' 334685N'<75G
624::0D' "=5=A5@' 86' .20'
49?09.75' 73' 85.6' 86' .20'
BA4D0' 73' 7AC0@49B6' 89D' 8"67' 86' .20' 38?7A505C'
73' C05=289.6# ""A6479' 49' .246' =749' 46' C8D0' .7'
.20' =4?4=' ?45.A06' 49' <24=2' 76.ACA6' <86'8=F97<G
"0DB0D' .7' 0I=0"' 89D' 375' 09=7A58B49B' 86' <0""
86' 09375=49B' .20' :58=.4=0' 73' <24=2' 20' <86'
06.00C0D' ' ;@' .20' &8A"6' <27C'
20' B7?0590D*
9' 8' 6C8"" ;5866' 73' 48DAC09489A6' 6.5A=F'
;@' .20' #7C89' =7"7946.6' 73' 497:0' 05=A5@'46'
50:50609.0D'27"D49B'.20' :A560' 49' 246' 54B2.' 289D'
89D' =8DA00A6' 49' "03.*1 00' '
' # *1 05=A5@'6.89DG
49B' .20' ' 49' 246' 54B2.' 289D' .20'
+ ' 79' 246' 208D# 24' "0B09D' 79' 6C8"" *
;5866'=7496'73' 76.ACA6'46'SA7.0D';@' 89DA44#
.' 46' 97.' 49="AD0D' 49' 04.205' .20' =8.8"7BA06' 75' .20'
. ' ' 73' =F20"' ;A.';7.2' 1390'
89D' F05C89' B4?0' '86' 8A.209.4=*1 20' 0:4.20.'
73' 8=4305'<7A"D'<0"" 8qN:"@.7' 76.ACA6'<27'50G
6.750D':08=0'.7'&=""48';@'D0308.49B'89D'=705=49B'
205'&05C89'49?8D056*
(E,03 ' 9 (.'
' # 45 C' 79' .245D';5866' 73' "8AG
D4A6'&7.24=A6'8"67' 84# 8I4C489A6'89D' 79G
6.89.496' 2"75A6*
' 8' :"0;0489' 38C4"@' 6A598C0'
6 $ / oG' " ! ' * % ' <86' C790.85@'
.54AC?45'A9D05' ABA6.A6# 89@'=7496'496=54;0D'
<54.2' 246' 98C0' 850' 0I.89.' M;7.2' 49' B7"D' 89D'
64"?05' .20' 375C05' 73' 0I.50C0' 5854.@N' ;0=8A60'
.20@' :57="84C' .20' D00D6' 73' .28.' C:0575' 86'
7==A5549B'49' .20' @0856' ?*=# H' 89D' H ' <20A'
20' <86' C790@05*1 750"" B4?06' 64I' ?8540.406*
' 67' =8""0D' ;0=8A60'4.' "8@
;0.<009' .20' 4B546' 89D' A:258.06' .' 46' 97<'
D097C498.0D'. *1 ==75D49B'.7' :85.489A6'
067:7.8C48' <86' ;57AB2.' A9D05' .20' :7<05' 73'
#7C0' 86' 8' :57?49=0' 73' .20' 0C:450' ;@' 58 89'
D0="850D' 3500' 73' .54;A.0' ;@' 8D5489' 89D' 83.05G
<85D6' 50"49SA4620D' .7' .20' 85.24896' :@' .28.'
C:0575' 50=04?0D' 49.7' .2"" 0C:450' 8B849' ;@'
05A6' "76.' ;@' 7CC7DA6' 50=7?050D' 8B849' ;@'
0:.# 0?05A6' =0D0D' .7' .20' 0564896' .7B0.205'
<4.2' 5C0948';@' 24"4:*1 00' 79' 2' "85B0';5866'
=749' 73' 58 89' .20' 3490' B57A:' =7C:760D' 73' .28.'
C:0575'6.89D49B 5C0D' 89D' 6=0:.50D' 8C4D6.'
.20' :576.58.0' :0567934=8.479'6' 73' .20' 5C09489'
:47?49=0' 89D' 73' .20' .<7' =0"0;58.0D' 54?056' 8;7?0E'
C09.4790D 1 <4.2' .20' 496=54:.479' * ! '

[' ' ' K * *

- ' F + ' <7A"D' < 85589.' .20' 4930509=0' .28.' .20' ' <050' 73' "899?489' 754B49 ' T' A9"066' :0528 : 6' M68@6' =F20"N 4.' C8@' 58.205' ;0' 6A: : 760D' .28.' .246' B7DD066' 89D' 205' 8..9 ; 9.06' < 050' 09B58?0D' 79' .2060' =7496 ' 49' =7960SA09=0' 73' 89A?4C9' 28@49B ' 357C' 8' 7 ' ; 009VC8D0' 8' =7"79@ ' 89D' 6A557A9D0D' ; @' 8' <8"" ' ; @' K*' 60685 ' 86' 46' 83345C0D' ; @' 579.49A6' " ' 7 N 1 4B2.' ?8540.406' 850' B4?09' ; @' 750""*

* *' ! 1 *' *' + *' *' ' 43.8 1 &# ' *' *' & # ' # * & *' c (4 ' *' *' '# ' + ' 89D' .<7E208D0D' K89A6 ' 79' =7496' 73' 7C : 0@' .20' &508.*

*' *' " #& ' # *' ' + ') ' ' # 1 A94G =4 : 8"4.@' 73' 4 ; 058 ' " 05B8?7948' 05.758' " ' 49' 8.8"7948 ' : 849N*

4=280"' * ' 4=280"' * ' 4=280"' * ' 4=280" * ' 4=280"' o' 4=280"' * ' 4=280"' * ' 4=280"' * ' 4=280" +* 1 20' =7496' 73' .2060' @\89.490' C : 05756 ' <2760' 504B96' .77F : "8=0' ; 0. < 009' ' , ,' 89D' ' ,H ' : 50609.' 97' ' 496=54 : .4796 ' 0I=0 : .' .20' ' 790' 73' *' + *' # +*' # & ' 79' .20' 50?0560' 73' 8' B7"D' =749' ; 0"79B49B' .7' .20' ' 73' .28.' 98C0* 1 00' F05C89L6' . + ' ' ' ?7"* 44*

*' # *' *' ' 0 ' 1 79=75D' 73' .20' 7"D4056* 1 ' ' 430zW*' 4D0"4.@' 73' .20' 7"D4056* 1 ' #*' *') ' 1 4"4.85@' 54G ; A90' ' .20' "86.' 79' 8' =749' 73' .20' 79.048' 38C4"@* # ' * 1 9' .20' 50?0560' 73' 8' "85B0' ; 5866' 73' 24"4 : ' 609475 ' 4 < 0' 508D' .246' "0B09D ' <24=2' 46' 8==7C : 8940D' ; @' 8' ++ ' < 205079' 46' 49=5420D' =76*' 4""*' .' 375C6' .20' 3456.' 73' 8' 605406' 73' 34?0' C0D8"6 ' 6.5A=F' A9D05' .28.' 0C : 0575 ' 49' 50 = 754' 73' 246' 28?49B ' <4.2' 0I.58G 75D4985@' C8B9434=09=0' =0"0 ; 58.0D' .20' 60=A"85' B8C06' M.20@' < 050' .20' 949.2' 89D' "86.N ' 375' .20' : A5 : 760' 73' =7960=58.49B' .20' =7C : "0.479' 73' .20' @085' , ' 357C' .20' 37A9D8.479' 73' #7C0*' 246' C0C758 ; "0' : 0547D ' 8 : : 57 : 548.0"@' =8""0D' .20' 3' ' C4B2.' <0"" 600C' .7' 8A.275460' .20' =7CC09=0C09.' 73' 8' 90<' 058 ' 89D' .20' 8 : : 57 : 548.479' 73' .20' .05C' ' 75' 8' 90<' 8B0 ' .7' .28.' <24=2' <86' 8 ; 7A.' .7' ; 0B49* 1 00' ' ;

' 46' 79' .2060' =7496' 8"C76.' 49?8548 ; "@ 6 : 0".' <4.2' 79"@' 790' ' 4.' 46' 6=85=0"@' 0?05' < 54..09' 4 44 ' 4 ' 97.' 27 < 0?05' 357C' 89@' 05575' 73' .20' C49.EC86.056' 375' ; 7.2' ' 89D' ' 850' < 54..09' ;@' .20' E89=409.6' 86' 8 : 49489A6' M49' 86647D75A6N' 286' 4.' 89D' 86' 97.' 8' 30 < ' 89.4SAO' C79AC09.6' 8"67' 620 < ' ; A.' 4.' 46' 90?05' 508D' ' 79' .2060' =7496' 8".27AB2' 49' ==7' 89D' .20' 56=27.' =7""0=.479' 4.' 46' .2A6' < 54..09*

' & * 1 20' 4C4 0' 73' 89' ' M8S94"8N' <86' .20' 0964B9' 73' .20' <27"0' "0B479#' 90' 73' .2060' 04.205' 49' B7"D' 75' 49' 64"?05' < 86' : "8=0D' 79' .20' .7 : ' 73' 8' 6 : 085 ' < 4.2' <49B6' 0I : 89D0D' 89D' 350SA09."@' 27"D49B' 8' .2A9D0527".' M3A"C09N' 49' 4.6' .8"796* 1 9' .20' 3456.' : 0547D' 73' #7C0 ' .20' 6.89D85D6' 73' 205' 85C406' < 050' ; A.' 8' ; A9D"0' 73' 28@ .40D' .7' .20' 09D' 73' $: 7"0 ' =8""0D' 49' 8.49' + ' $ ' < 24=2' =8A60D' .20' 98C0' 73' + ' .7' 20' B4?09' .7' .20' =7C : 89406' < 24=2' 850' 589B0D' A9D05' .2760' 0964B96*' <7' 6A=2' C8@' ; 0' 6009' 50 : 50609.0D' 79' 8' 3456.' ; 5866' 73' ABA6.A6' B4?09' 49' 0BA4AL6' F ' ; ' ' :*, , *' A.' .2060' ' $' + 3' 6779' 866AC0D' 8' 90<' 89D' C750' 4C : 7649B' 375C*' 20' #7C89' .577 : 6' : "8=0D' 04.205' 8' =5766' : 40=0' 73' <77D' 8.' .20' .7 : ' 73' 8' "89=0 ' < 209=0' 2A9B' 8' ' 75' ; 89905 ' 86' C8@' ; 0' 6009' 79' .20' 68C0' =749' 73' ABA6.A6' ; 0.< 009' .20' .<7' + :' 75' .20@' 6A5C7A9.0D' .20' 0964B9' 6.833' <4.2' .20' 34BA50' 73' 8' ' 86' C8@' ; 0' 7 ; 605?0D' 79' .<7' C4"4.85@' 0964B96' (24=2' 8 : : 085' 79' 8' "85B0' ; 5866' 73' 4 ; 054A6 ' B4?09' 49' 0BA49' " ' ', aN ' : 0528 : 6' 86' .20' <75D' ' ; 750' 8""A6479' .7' .20' <75D' 7 ' 0"7<' .246' 289D ' =7?0549B' .20' <27"0' 6283.' 73' .20' 6 : 085 ' <050' "4.."0' 57A9D' : "8.06' 73' B7"D' 75' 64"?05' ") % ' 79' <24=2' 850' : 75.584.6' 8.' 3456.' 73' .20' &7D6 ' 89D' 69 ; 60SA09."@' 73' .20' C : 05756 ' 89D' 7.205' : 056796' 73' : 549=0"@' D46.49=.479*' 20' 98C06' 73' C : 05756' <050' 8"67' 496=54 ; 0D' 79' .20' ' 75' =8?8"5@' 6.89D85D6' 73' .20' 85C@* 1 9' 8' D09854A6' 73' .20' ' 38C4"@' 46' 600' .20' 98C0' 73' * 3E ' ! ' # 75' 89D' 8' "0B47985@' 08B"0' ; 0.< 009' .<7' C4"4.85@' 0964B96* 1 9' 8' 64"?05' = 749' 73' .20' ' 38C4"@' 46' 8' "0B47984@' 08B"0' ; 0.< 009' .<7' ' 790' 73' < 24=2' 286' 79' 4.' ; k % ' .20' 7.205' #k + % ' 64C4"85' .@ : 0' 8 : : 0856' 79' 8' D09854A6' 73' .20' 7590"48* 1 .' 46' .7' ; 0' 7 ; 605?0D' 86' 8' 508679' < 2@' .2060' C4"4.85@' 0964B96' 8 : : 085' 49' 89' A : 54B2.' : 764.479' 79' #7C89' =7496' 89D' 7.205' C79C909.6' .28.' .20' "7 < 05' 09D' 73' .20' 6 : 0856' 79' < 24=2' .20' 0964B96' < 050' : "8=0D' 28D' 6285 : ' : 749.6 ' 49' 75D05' .28.' .20@' C4B2.' ; 0' : "89.0D' 49.7' .20' B57A9D ' 89D' ; 0' C8D0' .7' 6.89D' : 05 : 09D4=A"85"@' < 20.205' 49' .20' =8C : ' 75' 49' .20' 340"D' 73' ; 8.. "0* 1 00' F _ ' :' 8"67' 0 1) ' 1 8 ' ! 3' F ' 79' #7C833' =7496 ' 9085' 2' =7"7946.' : "7AB249B' < 4.2' 7109 ' 620 < ' .28.' .20' =7"79@' 28D' ; 009' : 07 : "0D' ; @' ?0.0589' 67"D4056* 3' (F ' *' 1 *' 1 20 98C0' 73' 8' "0B479 ' 67' D097C498.0D' ; @' 7C4.489 ' 79' 8==7A9.' 73' .20' : 85.4=A"85' D0?7.0D9066' 73' .28.' 0C : 0575 ' .7' .20' < 75624 : ' 73' 4905?8 ' 86' 8 : : 0856' 357C' 246' =7496* 1 2050' 46' 79' 8' B7"D' =749' 73' 0 : .* 0?05A6 ' 49' 89D954 ' < 24=2' 0I24 ; 4.6' .<7' C4"4.85@' 6.89D85D6' 89D' 8' "0B47985@' 08B"0' ; 0.< 009' .20C ' <4.2' .246' 496=54 : .479 ' 0 & ' ! ' !3 ' 3 ' # ' *' 1 8C4"@' 98C0' 73' .20' ' ' 8' : "0 ; 0489' 38C4"@ ' 4.6' 6A598C0' F) 1 2050' 850' .2500' ?8540.406 ' 8"" ?05@' 5850* 1 20' 37""7 < 49B' 64"?05' : 40=06 ' < 24=2' ; 085' .20' 98C0' 73' .246' 38.84"@ ' < 050' 6.5A=F' 49' : 849' ; @' 98049' 6 7C : 0@' .20' @7A9B05 ' 83.05' 246' 38.205L6' D08.2 ' 75' ; @' .20' 7.205' 679 ' 0I.A6 ' 49' 4=4"@/ 1 '] ,6.* 1 ' ; ' < & ' *' * 1 20' 2850' 208D' 73' 98049' 6 7C : 0@* * 1 * ' " 486' 8 < ' #j5 "+ * 1 7C : 0@' "89D49B' 357C' 8' 624 : ' 7496

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"446' 54B2.' 289D' <4.2' .28.' 73' 8' <7C89 ' <08549B

8' .A550.0D' =57<9 ' 89D' 27"D49B' 8' 6 : 085' 49' 205' "03.' 289D ' ; 03750' <2760' 300.' 46' 8' 208 : ' 73' : 89462' 85C6* 9' .246' D09854A6' M68@6' 84""89.M 46' 50 : 50609.0D' .20' 09.5@' 73' 7C : 04A6' 8B9A6' 49.7' : 849' M375' .20' : A5 : 760' 73' 86646.49B' 0.0""A6' 8B8496.' 05E' .754A6N ' 506 : 0=.49B' <24=2' 0?09.' B508.' 0I : 0=.8E' 0' .4796' 28D' ; 009' 09.05.8490D' ; 7.2' ; @' .20' #7C896' .20C60""?06' 89D' 2@' .2045' : 89462' 54"406* 1 ' "A.85=2' e49E' 246' "430' 73' 7C : 0@ ' 98558.06.' 28.' <209' 20' T 3456.' 508=20D' : 849 ' .20' 50 : A.8.479' 73' .20' 90<' =7CC89D05' 496 : 450D ' 86' 46' 96A8"' 90<' 27 : 06' 49' .20' C49D6' 73' C09 ' .28.' 6A=2' 73' .20' : 89462' 98.4796' 86' 28D' 97.' .8F09' 8' D0=464?0' : 85.' <4.2' 05.75496 ' ; 0B89' .7' =289B0' .2045' 7 : 494796' 89D' B7' 7?05' .7' .20' #7C896*U 1 2050G 3750' <0' 2050' 600' ; + ' C00.49B' 7C : 0@' <4.2' =79B58.A"8.4796' 79' 246' 28 : : @' 8554?8"* 1 20' 8 ; 7?0' 09.' 46' 09B58?0D' 357C' 8' D09854A6' 49' .20' 54.462' A609C*

>9D* 1 W_* 4.* · 1 20' 68C0' 208D* 1 * * · ' % * 1 7C : 0@' .20' &508.' 49' 8' C4"4.85@' 28 ; 4. ' 6.89D6' <4.2' 8' 6 : 085' 49' .20' 54B2.' 289D* 9' 790' 64D0' 6.89D6' 8' <7C89 ' <4.2' .A550.0D' D408D' 89D' 6275.' D5066 ' 89D' <27 ' 27"D49B' .<7' 6 : 0856' 49' 205' "03.' 289D ' 73"056' 205' 54B2.' .7' 7C : 0@* 9' .20' 7.205' 64D0 ' 8' <7C89' =855@49B' 8' .57 : 2@' 79' 205' "03.' 627A"D05 ' : "8=06' <4.2' 205' 54B2.' 289D' 8' =57<9' 79' .20' 208D' 73' .20' C4DD"0' 34BA50* !

8?05=8C : ' 49' 750 ' MD43"0549B357C 84 89.' <27' =7964D056' .20' C4DD"0' 34BA50' .7' 50 : 50609.' 97.' 7C : 0@ ' ; A.' 0.0""A6N ' 620<6' 79' B77D' 246.754=8" B57A9D6' .28.' 797' 246' =749' 498.4A6' 28D' 49' ?40<' .7' D46 : "8@' .20' 2797A56' 97.' 73' 0.0""A6' ; A.' 73' 7C : 0@* 9D00D ' 50305549B' .7' .20' 8A.2754.@' 73' "A.85=2' 375' .20' 506A".6' 73' .20' 689BA4985@ 6.5ABB"0' 09B8B0D' 49' ,R@ .20' "8..05 ' 3456.' <4.2' .20' ;58?0 ' 6F4"3A" ' 89D' 8=.4?0' 05.754A6 ' 89D' 83.05G <85D6' <4.2' .28.' 375C4D8 ; "0' =2403.849L6' 86686649' 89D' 6A==06675 ' 05 : 0998 ' 8?05=8C : ' 8 : : 0856' <85589.0D' 49' 246' 7 : 49479' .28.' .20' .@ : 0' 73' .246' 5850' D09854A6' 8""AD06' .7' .20' .<7' =7649B' ?4=.75406 ' ; @' <24=2' .20' 05.75489' 50?7".' <86' 6A ; DA0D ' 89D' : 849' 506.750D' .7' .20' #7C89' 0C : 450* 75' 46' .2050 ' : 0528 : 6 ' 89@.249B' 0557907A6' 49' .20' =79G 0=.A50' 73' .20' 68C0' 89.4SA85@ ' .28.' .20' .57 : 2@G ; 08549B' 34BA50' : 0567943406' #7C0' 20560"3 ' =57<9 49B' .20' ?4=.75 ' 46 : 8948 ' 86' 8' #7C89' : 57?49=0 ' 6.89D49B' ; @ ' 89D' <4.2' 0I.09D0D' 289D' ; 08549B' .06.4C79@' .7' .20' C054.6' 73' .20' 8"" : 7<053A" +

H5D* 1 9' 897.205' ?05@' 5850' D09854A6 ' <4.2' .20' 68C0' 208D' M.28.' 73' .20' 0"D05' 7C : 0@N ' 89D' 6.8C : 0D' <4.2' .20' 98C0' 73' * 498.4A6' 8 ; 49A6' 57SA606.75 ' .20' .@ : 0' 73' .4"0' 50?0560' 46' 8' C4"4.85@ 34BA50' 6.89D49B' ; 0.<009' .<7' <7C09 ' ; 7.2' ' 790' 73' <27C ' ; 09D49B' 79' 790' F900 ' 733056' 8' =57<9' 73' "8A50"* .7' 24C*

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9' 750""L6' ' MA9D05' .20' 208D' 73' .20' 8 8 ' 38C4"@N ' 8?05=8C : ' <27' =2858=.054606' 84 89.L6' 5030509=0' 73' .246' D09854A6' .7' 7C : 0@L6' 6A==06606' 49' : 849' 86' + ' $ ' 83.05' D06=54 ; 49B' .20' 6.89D49B' 30C8"0' 34BA50' 86' 28?49B' 205' 2D2D' ' : 57=00D6' .7' B4?0' 246' 7<9' 7 : 49479 ' .28.' .20' 8 ; 7?0' .@ : 0' 8""AD06' .7' .20' 4.254D8.4=' <85* 1 .' 627<6' M8==75D49B' .7' .20' "08590D' ; A.' 73.09' 389=43A" =7CC09.8.75N' .28.' .20' "79BE=79.49A0D' <85' <4.2' .20' B508.' ; 85 ; 854=' F49B' =7A"D' ; 0' ; 57AB2.' .7' 8' .05C498.479' ; @' 97' 7.205' #7C89' &09058"' .289' 7C : 0@ ' T 89D' .20503750' M68@6' 20N ' A9D056.89D' .20' 34B4AE0' <085G 49B' .20'+ ' 89D' 28?49B' 205' 208D' ' .7' C089' .20' 86.' M 54096N ' <27' ; 0=F796' 89D' 600C6' .7' =8"" 7C : 0@' .7' 205 ' <24"6.' 20' 24C60"3' D46 : "8@6' ; 46' 0I : 0=.8.479' 73' 8' 6A50' ?4=.75@' 7?05' 4.254D8.06 ' ; @' : 749.45B' <4.2' 289D' 6.50.=20D' 375.2' 89D' 349B05' 0I.09D0D' .7' .20' B85"89D' " % ' <24=2' : 849' M.20' F900"49B' 34BA50N' B58.03A""@' 733056' .7' 24C' 86' .7' .20' =79SA0575' 73' .20' 50 : A ; "4=L6' 3706*U 1 3.05' SA7.49B' 8' : 8668B0' 357C' ! ' "4 ; * 444* ' =8 : * ' 86' .20' 0 ' + ' 73' .246' ?05@' =749 ' 8?05=8C : ' =79G ="AD06' ; @' 0I : "84C49B 1 T' 027"D' 2050' .20' 2797A56' 89D' .4."06' 73' 7C : 0@ ' 06 : 0=48""@' .2760' B8490D' 49' : 849 ' 8 ; 7A.' .7' ; 0' 8ABC09.0D' 49' .20' 86.*U

@' .20' 8 ; 7?0' =4.0D' 7 ; 605?8.4796 ' 4.' <4""* ; 0' 6009' .28.' 8?05=8C : ' "8@6' 67C0' 6.5066' 79' .20' 38=.' <24=2' 20' 86605.6 ' .28.' .20' 34BA50' 73' .20' <7C89 ' 6.89D49B' ; 03750' 7C : 0@ ' 46' + ' ' ' <205086' 49' 750""L6' 09B58?49B' 73' .246' D09854A6 ' M89D' 5* ' 49BL6' 46' .20' 68C0 N' .20' 30C8"0' 49' SA06.479 ' .27AB2' <08549B' .20' + ' 75' ="78F ' 30 49B' 357C' .20' 627A"D056 ' 286' 8' .A550.0D ' ' 8' 58D48.0D ' 208DED5066* 1 9D' =F20"* D06=54 ; 06' ; 7.2' <7C09' 86' 1 5* F05C89 ' 49' 246' . + ' ' ' $' - ' ' ' 286' B4?09' M600' : "8.0' H ' 7* a N' .20' D064B9' 73' 8' 64"?05 ' =749' 8C79B6.' .2760' 6.5A=F' 2@' 9.04A6' 7C : 0@' .20' 679 ' <24=2' .20' 208D' 73' .20' 37.205' 375' 4.6' 7 ; ?0560 ' 0I24 ; 4.6' 79' .20' 50?0560' 8' .@ : 0' 5060C ; "49B' 49' C76.' : 85G .4=A"856 ' .27AB2' 97.' 49' 8 ' .20' D09854A6' 73' 750"* 89D' ' 49B* 1 20' 8 ; "0' 60=50.85@' 73' .20' AC46C8.4=' 7=40.@' 6.8.06' .28.' .20' F900"49B' 34BA50' 46' : 50609.49B' 97.' 8' =57<9' ; 9.' T' 8' : 0.4.479 ' 75' <54..09' 496.5AC09. ' 86' 8 : : 0856' ' + ' 34/7C' .246' D09854A6 ' <24=2' 620<6' 37A5' C49A.0 ' ; A.' D46.49=:' "4906 ' D58<9' 8=5766' .20' 7 ; 0=.' =8""0D' ; @' 750"* 8' =57<9*U 1 A.' A9375.A98.0"@' 375' .2760' <27' 28?0' 79"@' .20' 09B58?49B' 49' 5* F05C89L6' =8.8"7BA0' .7' 375C' .2045' 7 : 494796' ; @' .20' .@ : 0' 73' .20' 50?0560' 46' 67' 3' D0G "4908.0D' 86' .7' C8F0' .20' T' ? 2' 34BA50' "77F' 86' 43' 620' <86' 89D' <28.' 620' 27"D6' 49' 205' +' 5060C ; "06' 8' 6240"D' C750' .289' 8' : 0.4.479* 1 ' 0' .246' 86' 4.' C8@ ' .20' D4330509=0' 49' .20' 50 : 50G 609.0D' .@ : 0' 286' 6ABB06.0D' 8' D434*0509.' 49.05 : 40.8E' .479' .7' 5* 5AC0"" ' 49' <2760' =8 ; 490.' .20' =749' 46 ' <24=2' 5* F05C89' 286' =8A60D' .7' ; 0' =7 : 40D* 1 T' ' 627A"D' D06=54 ; 0' .20' 50?0560' M68@6' 5* 5AC0""N' 86' ; 08549B' .20' : 05679434=8.479' 73' .20' 86.' 49?4.49B' 7C : 0@' .7' 50"40?0' .28.' 50B479 ' 7 : : 50660D' ; @' 4.254D8.06 1 89' 49?4.8.479' <24=2' 20' 8 : : 0856' .7' D0="490 ' 89D' : 749.6' .7' .20' F900"49B

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34BA50' '+ ' ="84C6' :54754.@' 73' 8..09G .479*U 1 28.' F900"49B' 34BA50' 5# 5AC0"" .249F6' 4.' :57;8;"0' 46' .20' :05679434=8.479' 97.' 73' :849' 86' 750"" =79 0=.A506' ;A.' 73' T 4"4=48' <" 7' 4C:"7506' .20' 84D' 73' 7A5:0@' .28.' =7A9.5@' ;049B' 58?8B0D' ;@' :458.06' <2760' :7<05' <86' =5A620D' ;@' .20' #7C89' B09058"' 4CC0D48.0"@' ;03750' 20' 7;.8490D' .20' =7CC89D' 49' .20' 4.254D8.4=' <85*U 1 (27' 628"" DO=4D0' <209' .20' "08590D' .20' 6=409.434=' 89D' .20' 4AB0947A6' D468B500'z

' 8' 38C4"@' 73' A9=05.849' 589F' .7' <24=2' 750 ' 8664B96' 67C0' 6C8"" ;5866' =7496' 790' 286' 79' 4.6' 7;?0560' ! ' ' % ' 89D' 8' 30C8"0' 208D' 89D' 89' 0D434=0' 79'.20' 50?0560 1 5860' .20' 7.2056' 0SA8""@' A949.0506.49B*

' .20' B7DD066' <27C' 38;"0' D06=54;06' .7' 28?0' =7C0' 375.2' 37 @ 85C0D' 89D' 73' C8.A50' 8B0' 357C' .20' ;5849' 73' KA:4.05 1 49' 7.205' <75D6' 89' 0C898.479' 357C' .20' 49.0""0=.' 73' K7?0' 24CG 60"3* 1 20' <86' .20' .A.0"85@' D4?494.@' 73' .20' .2094896' 89D' <86' =8""0D' 49' &500F' 05' 208D' 46' .20' .@:0' 73' .20' C0D8"6' 73' .2096' 89D' A9D05' .;0*98C0' 73' # ' 620' <86' <75G 624:::0D' 49' .28.' =4.@' 89D' .257AB27A.' &500=0' 86' .20' :57.0=.5066' 73' 205706*X 1 @' .20' #7C896' 620' <86' 50B85D0D' 86' .20' 3456.' 49' 589F' 83.05' KA:4.05' 89D' KA97' 89D' <4.2' .20' 6.8.A06' 73' .2760' DO4.406' <86' :"8=0D' 49' .20' :549=4:8"' .0C:"0' 73' .20' =8:4.7"' 8.' #7C0"' 6' .20' B7DD066' 73' 508679' <46D7C' 89D' :5AD09=0' 620' <86' =7964D050D' .7' :5064D0' 7?05' "4.058.A50' 89D' .20' 6=409=06N' 20' 49?09.479' 73' <08?49B' 89D' 0C;574D05@' .7B0.205' <4.2' .20' 2797A5' 73' 28?49B' 3456.' .8AB2.' C89F49D' .20' A60' 73' .20' 7"4?0' <86' 86=54;0D' .7' 205*1 9' =796A"85' =7496' 4905?8' ;A.' 60"D7 9' 8:NO85"' 750"" 286' B4?09' 205' 4C8B0' 75' 8..54;A.06' 79' =7496' 73' .20' "7?48' 75D48' 7590"48' 89D' 4;48' 38C4"406"' A549B' .20' :0547D' 73' .20' 0C:450' 620' 7==A:406' 67C0<28.' C750' 350SA09."@' 8' :"8=0' 79' #7C89' C0D8"6':85.4=A"85"@' .2760' 73' 7C4.489' N600' . % ' 79A97DA6' ";49A6' 0?05A6' 858=8""8' &0.8' 86' 385' 86' &8""409A6' 89D' 76.ACA6"* 1 9' .2060' B09058""@' 620' 46' 34BA50D' 49' 8' <8"F49B' 8..4.AD0' ="7.20D' 49' 8' "79B' .A9.=' <4.2' 67C0.4C06' .20' B#6 79' 205' ;5086.' 8' 20"C0.' 79' 205' 208D' 27"D49B' 49' 205' 54B2.' 289D' ;@' .A596 1 86'.20' D04.@' ;7.2' 73' <85' 89D' 73' :08=0 1 8' 6:085' .20' .2A9D05G ;7"." 89' 4C8B0' 73' 4=.75@' 8' ;589=2' 83' 7"4?0' 89D' 49' 205' "03.' 289D' 8' ;A=F"05* 1 9' 790' 64"?05'=749' 73' .20' 4;48' 38C4"@' 620' 6.89D6' 86' 4905?8' .20' 89SA4620 5' <4.2' ?4=.75@' 89D' 6:085' 79' 897.205' 205' ;A6.' 46' 50:50609.0D' 89D' 79' 8' .245D' 620' 6.89D6' 49' 8' SA8D54B8* 1 C79B6.' .20' 5850' C0D8"G "4796' 49' ;5866' 6.5A=F' A9D05' 9.7949A6' 4A6' <4.27A.' "0B09D' .20' 4C8B0' 73' .246' B7DD066' 46' .2500' .4C06' 49.57DA=0D 1 ?4*' ,# (2050' 620' 46' :"8=0D' 79' .20' 54B2.' 289D' 73' KA:4.05' <24"6.' KA97' 46' 79' 246' "03.' 89D' 8 ' .2500' 850' 608.0D' 344"" 38=0D' 79' =A5A"0' =28456# ># 4905?8' "0894B' 8B8496.' 8' .500' 857C4D' <24=2' 8' 605:09.' 46' 09.<490D' 89D' "77F49B' 8.' 57C0.20A6' <27' 4D' 49' .20' 8=.' 73' 375C49B' 8' C89# H# 4905?8' 6.89D49B' ;03750' A"=89' <27' 46'375B49B' 8' .2A9D05;7"." / 79' 897.205' =749' 8' 20"C0.# # A"=89' 6.89D49B' ;03750' 8' 6.8.A0' 73' 4905?8' :"8=0D' 79' 8' =4::96* 1 9' 8' =749' 73' "7D4A6' ";49A6' .20' 6A598C0' # $

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46' 8664B90D' .7' .246' B7DD066* 1 00' 1 '# ' .20' ; ')

' <86' .20' 7;0=.' 73' 06:0=48# 8D758.479' <4.2' .28.' ?849' :573"4B8.0' 89D' CA5D057A6' .@589.' 7C4.489' 79' =7496' 73' 08=2' C0.8"' 6.5A=F' A9D05' .246' C:0575' <0' 600' 8' <0"" 0I0=A.0D' 34BA50' 73' .20' B7DD066' 27"D49B' 49' 790' ;89D' 205' ;A=F"05' 89D' 49' .20' 7.205' .20' $ ' 75' .2A9D05;7"." <24=2' 620' 46' B749B' .7' "8A9=2' 49.09D0D' 68@6' 1 ' T 86' .20' 6@C;7# 73' 7C4.48AL6' 8AG .2754.@ U' <4.2' .20' =45=AC6=54:.479' ! # ' 6 I 6 ' =76# + " " " " M0C:0575'375'.20'9490.009.2' .4C0' =796A"' 375' .20' 64I.009.2' =09675' 38.205' 73' .20' =7A9.5@*N 1 9' 8' 3456.' ;5866' 73' .246' 0CG :0575' <4.27A.' "0B09D' 79' 4.6' 50?0560' ;A.' ;08549B' .20' 8A.275468.479' 73' .20' 098.0' 200' 6.89D6' ;0.<009' 4905?8' 89D' 4=.75@' .20' "8..05' 73' <27C' 46' :"8=49B' 8' "8A50"# =57<9' 79' 246' 208D*

#58' 54I# 4905?8'.20' 4=.7547A6# 1 9' 8' "85B0' ;5866' 73' 7CC7DA6' <4.2' .246' "0B09D' <0' 600' .20' *?4=.74E@E;549B49B' 4905?8' " + % 20"C0.0D' 28?49B' 49' 790' 289D' 89' 4C8B0' 73' 4=.75@' <24=2' 27"D6' 8' :8"C' ;589=2' 89D' 49' .20' 7.205' 289D' 8' 6:085' ;0249D' 205' 46' 8' .57:2@* 1 4905?8' .20' 4=.7547A6' <86' =8""0D' [% 7' 99 K:76' 86' 46' 620<9' 79' .20' =7498B0' 73' .20' .2094896*

=F20"# D0D4=8.06' 8' 6275.' =28:.05' 73' 246' 57"0B7C098' 79' 8C4"@' 7496' M?7"' O?*' E[N .7' 620<' .28.' <209' 79' .20' 64"?05' =749' 73' .20' #7C89' 86' <0"" 86' 73' .20' .209489' C49.' <0' 600' 8' & ' 8""86' 75' 4908?8' 4.' 46' .7' ;0' A9D056.77D' 86' 50:50609.49B' 8""86' A7 K:7' 75' 4905?8' 4=.54I*

';5866' C0D8""479' 73' 58 89' 0I24;4.6' 4905?8' 6.89D49B' 79' .20' 54B2.' 89D' KA97' 79' .20' "03.' 73' KA:4.05* 1 00' - +/

' # *1 5W h893' 49' D0G 6=54;49B' 8' 64"?05'=749' 73' # ' 28?G 49B' 8' 64C4"85' 34BA50' ;A.' <4.27A.' .20' .57:2@' 89D' 496=54;0D' .7' .20* 4=.7547A6' 4905?8' 7;605?06' .28.' 4905?8' "4F0' 856' <86' 684D' .7' :5064D0' 49' <85' .2A6' 86' .20' 6A598C0' 73' ' <86' 8::"40D' .7' 856' 67' 8"67' .20' 8:0""8.479' 73' ' <86' B4?09' .7' 4905?8' 89D' W.28.' .20' .4."0' <86' D0D4=8.0D' .7' .28.' B7DD066' ;@' 06=0294A6' 375' 8' ?4=.75@') ' ') ' 7;.8490D' 7?05' 0?05A6' 46' 49D4=8.0D' ;@' .246' =749' 79' <24=2' 86' 43' =05.849' '28D' ;009' 866A50D' 24C' 620' ;0856' .20' 64B9' 49' 205' 54B2.' 289D*

' *1 20' B7DD066' 6.89D6' <4.2' 6:085' 89D' 6240"D* 1 9' 8' 64"?05'=749' 73' 0:.# 0?05A6' .246' "0B09D' 73' ' F ' 8::0856' 375' .20' 3456.' .4C0' 89D' 83.05<85D6' 7==A56' 79' =7496' 73' &0.8' 334685*

28.' .20' 89=409.6' :A.' ' M68=50DN' 375' + + ' M38?7A58;"0' 75' :57:4.47A6N' <0' "0859' 357C' 4;A""A6' 506:0=.49B' KA97' <27C' 20' 8DG D506606' ' ' '$:' 89D' 357C' 8.A""A6' 6:08F49B' 73' 09A6' "W ' h 0 ' ' ' 7507?05' 4905?8' <86' 8==7A9.0D' .20' &7DD066' 73' 5.6' 89D' &0.8' 8==75D49B' .7' 057D"89A6' # + ' ') ' ' '$ 0 ')) ' 496.5A=.0D' ;@' 246' C7.205' KA"48' <27' D84"@' D46:A.0D' <4.2' :24"767:2056* 1 M 8 "89.' 44# :# > *N

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' 8' =7A9.5@' 73' A57 : 0 ' ;0.<009' 7A9.' 0CA6' 89D' .20' 89A ; 0 ' 74949B' .7' 8997948# 2050' <050' .<7# : 57?49=06' 73' 70648 ' 97<' =8""0D' F ' 89D' * ' 20' "8..05' M75' : : 05' 0=648N "@49B' .7<85D6 .20' "8=F' 08 ' 89D' <24=2' <86' 6A ; DA0D' ;@' .20' ' 7C896' A9D05' # 467 ' DA549B' .20' 504B9' 73' ABA6.A6 ' .20' 375C05' M75' 7<05' 70648N_'<86' 4928 ; 4.0D' ;@' .20' 4 ' 00' # 6# 4 # F + ' ! *1 20' #7C89' "0B4796' 6.8.4790D' 49' .20' : : 05' 57?49=0' 850' 2797A50DE ; @' 790' 73' .20' "85B0' ; 5866' 73' 8D5489 ' 79' <24=2 ' <4.2' .20' "0B09D' 6 .28.' C : 0575' 6.89D6' 79' 89' 06.58D0' 8DD506649B' 37A5' 67"D4056# ' ?464.' : CD' ;@' .20' 68C0' 549=0' .7' .20' : 57?49=0' 4.60"3' 46' 8"67' =7CC0C758.0D' 79' 897.205' "85B0' ; 579\0' C0D8"' 496=54 ; 0D' 1 4 89D' 0I24 ; 4.49B' .20' C : 0575' 89D' .20' 57?49=0' 68=5434=49B' 8.' 89' 8".85* # M.20' &7DD066*N # & * 1 20C49.' 73' .20' C : 0575* # # 8 # # #* 790@' 6.5A=F' 8.' 50?06* # # & # #* F * 1 20' 68=50D' C49.' 73' 7A5' C : 05756' 89D' 73' 7A5' 606856# 96=54 : .479' 79' =7496' 73' 47=" 0.489 ' 8"# 8I4C489 ' 796.89.496' 2"75A6 ' 89D' &8"# 8I4C489*

1 246' .05C' <86' A60D' ;@' .20' #7C896' .7' D064B98.0' .2045' : A ; "4=' C49. ' C' =79G 60SA09=0' 73' C790@' 28?49B' 754B498""@' ; 009' 6.5A=F' 8.' #7C0 ' 49' .20' .0C : "0' 73' - ' 1 8' 6A598C0' B4?09' .7' .20' =79675.' 73' KA : 4.05 ' ; 0=8A60' 620' <86' 684D' .7' 28?0' =7A960""0D' .204' #7C896' .7' A9D05.8F0' 9790' ; A.' A6.' <856 ' 49' <24=2' =860' 620' : 57C460D' .28.' .20@' 627A"D' 90?05' ; 0' 49' <89.' 73' C790@ 1 20' 98C0' 73' ' <86' 83.05<85D6' A60D' 8"4F0' .7' 64B943@' : 40=06' 73' C790@' 89D' .20' $$ ' 75' <75F627 : 6' 49' <24=2' .20@' <050' 38 ; 54=8.0D* 1 2050' 850' 67C0' =796A"85' D094<4# 73' .20' ' 38C4"@' <24=2' 79' .2045' 7 ; ?0560' 50G : 50609.' .20' 208D' 73' 2' <7C89 ' <4.2' .20' "0B09D' ' 89D' 79' .20' 50?0560' 8' : 845' 73' : 49=056*

89' 89?4"' 89D' 8' 28CC05 1 496.5AC09.6' A60D' ; @' .20' 89=409.6' 49' .20' =7498B0' 73' C790@ 1 .2060' 850' 6A5C7A9.0D' ; @' .20' =8 : ' 73' 9"=89 ' 89D' =45=ACG 6=54 ; 0D' ;@' .20' <75D' " * ! 1 : 79897.205' 64"?05' =749' 73' .20' 68C0' 38C4"@' 64C4"85' C790.8"# 496.5AC09.6' 850' 34BA50D' .20' 8==7C : 89@49B' "0B09D' ; 049B' 46* 1 00' ' 20' 0 : 4.20.' 0 *! ' 503056' .7' KA97' 790.8' 28?49B' 83375D0D' 50"403' .7' .20' #7C896' <209' .2045' 8338456' <050' 6.584B2.090D' ;@' .20' 0?09.6' 73' <85# 20' 208D' 73' .20' &7DD066' 46' 8"67' 3799D' <4.2' ; A.' 6"4B2.' D4330509=0' 79' =7496' 73' .20' # $CA"@# 20' "0B09D' ' 46' 49D00D' 86' 286

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8"508D@' ; 009' 50C85F0D ' ?05@' 350SA09."@' 6009' 79' C0D8"6' 73' .20' C : 05756 ' 89D' : 85.4=A"85"@' 79' C0D8"6' 73' .20' "7<05' 0C : 450*

' .@ : 4340D' 86' 8' <7C89' 27"D49B' .20' ; 8"89=0' 89D' =75AA=7 : 4C ' 7==A56' 79' =7496' 73' 9085"@' 8""# .20' C : 05756 ' 34/7C' 4.0""496' .7' 79G 6.89.490' .20' &508. ' ; 7.2' 49="A64?0 ' <4.2' .20' 0 : 4B58 : 2' 73' M4?4 1 ' ! ! " # ' 75' <4.2' .20' 496=54 : .479' / & ' =* 1 20' 208D' 73' .20' &7DD066 ' <4.2' 57A9D' 4. ' 8 : : 0856' 79' 8' 64"?05' =749' 73' .20' # ' 89D' M86' 8 ; 7?0EC09.4790DN' 73' .20' ' 38C4"@*

2 2 / .20' ' 6.89D49B' <4.2' .2045' 8==A6.7C0D' 8..54 ; A.06 ' 67C0.4C06' <4.2' 89D' 7.205' .4C06' <4.27A.' .20' C866' 73' C0.8"# 8.' .20' 300.' 73' 08=2' 30C8"0 ' C8F0' .2045' 3456.' 8 : : 08589=0' 79' 8' ; 5866' C0D8""479' 73' 7CC7DA6* 1 9D05' .20' 504B9' 73' 0 : .4C4A6' 0?05A6' .20@' ; 0B49' 350SA09."@' .7' D46 : "8@' .20C60"?06 ' 89D' .20iM' 850' 8"67' 37A9D' 79' =7496' 73' .20' 37""7 <49B' : 549=06/ 1 858=8""8 ' &0.8 ' "8B8 ; 8"A6 ' "0I89D05 ' 8I4C49A6 ' &75D489A6 * ' .20' 24"4 : 6 ' 58 89' 0=4A6 ' 050994A6 ' 50 ; 79489A6' &8""A6 ' "8AD4A6' &7.24=A6 ' t.54=86 ' 8=4..46 ' "75489A6 ' 57 ; A6 ' 8C6 ' 549A6 ' AC05489A6 ' 47=40.489A6 ' 8"# 8I4C489A6 ' 796.89.496' 2"75A6 ' &8"# 8I4C489A6 ' 8IE' 09.4A6 ' 8I4C49A6' 8\8 ' 796.89.490' 89D' 8C4"@ ' K7?489 ' 8"09.49489 ' 89D' D7<9' .7' 8"096* 1 20# 4""A6.58.479' B4?09' 8 ; 7?0' 46' 7C' 8' ; 5866' C0D8""479' 73' 47="0.489*

' & # " ' ' $' ' * + *N 1 ' <7C89' 6.89D49B' <4.2' 28"89=9' 89D' =7CA=7 : 400 ' M75' 86' 49' "0I89D05' 0?05A6 N' D57 : : 49B' =7496' 357C' 205' 54B2.' 289D' 49.7' 8' C086A50* 1 7496' ; 08549B' .20' 4C8B0' 73' .20' &7DD066 ' <4.2' .20' 8 ; 7?0' 0 : 4B58 : 2 ' 7==A5' 375' .20' 3456.' .4C0' 49' .20' 504B9' 73' 7C4.489 ' 49' <2760' 2797A5' .20@' <050' 6.5A=F' 375' 246' 4C : A.0D' =850' 49' 506.7549B' : A54.@ ' 0I8=.' <04B2. ' 89D' B77D' <75FC89624 : ' .7' .20' =7498B0' 73' .20' 0C : 450# 05.849' 4.' 46' .28.' .20' C0D8"6' 73' .246' 7.205<460' <75.2"066' : 549=0 ' 850' 49' 0?05@' C0.8"# 3490"@' D064B90D' 89D' ; 7"D"@' 0I0=A.0D# 20' 50=4A509=0' 73' .246' "0B09D' 89D' .@ : 0' 79' 67' C89@' 4C : 0548" ' C0D8"6' 73' D4?056' 504B96' 46' 49' 4.60"3' 790' 73' .20' ="08506.' 89D' C76.' D450=.' : 57736' .28.' .2060' C0D8"6' <050' 508"# C790@*

' &* 1 ' 30C8"0' 34BA50 ' <4.2' .20' A6A8"# 8..54 ; A.06' 73' 790.8"# 9' 8' C76.' 5850' 64"?05' =749' 73' 06=0A94A6' 4B05' 0D4.0D' ;@' 84""89.' ' <27# 68@6 1 T' 790.8' 46' 0I24 ; 4.0D' 79' .20' =7496' 73' 06=0994 96.' 7' D097.0' .20' 6A : 50C0' 54B2.' <24=2' 20' 86605.0D' 7?05' .20' 4C : 0548"# C49.*

*

20' <7C89' 27"D6' .20' 28"8900' .7' 620<' .28.' .20' SA89.4.@' 73' C0.8'# <86' .7' ;0' <04B20D ' 89D' 8' A6.' : 75.479' 8664B90D' .7' 08=2' :40=0*U

&# # * 1 790.8 ' <4.2' 205' 8==A6.7C0D' 8..54 ; A.06# 9' 8' ?05@' 5850' =749' 73' ";49A6*

20' =74949B' 73' B7"D' 89D' 64"?05' C790@' <86' 8' 54B2.' <24=2' ABA6.A6' 89D' 246' 4C : 0548'# 6A==066756' 50605?0D' .7' .20C60"?06'0I="A64?0"@' "08?49B'.7'.20' 098.0' .20' :54?4"0B0' 73' 6.54F49B' ;5866' C790@* 1 ';49A6' <27C' 0?05A6' 28D' C8D0' 246' 8667=48.0' 49' .20' 0C : 450 ' 28D' .20' 68C0' 54B2.' 86' .20' "8..05' .7' =749' C790@' 89D' 20' 0I05=460D' 4.' .257AB27A.' 246' 6275. ' ; A.' 0?09.3A"' =85005' 73' :7<05*

' &* 1 790.8' : 056794340D' 49' .20' A6A8'# 375C* 1 246' "0B09D' 89D' .@ : 0' 7==A5' 79' 8' 64"?05' =749' 73' KA"48' 7C98 ' .20' <430' 73' 0?05A6 ' 89D' 49D4=8.0' .20' 6A : 50C0' 8A.2754.@' <24=2' .28.' 8C ; 4.47A6' <7C89' <86' "7<0D' .7' 62850' <4.2' 205' 2A6 ; 89D ' <27' 28D' @40"D0D' .7' 205' .20' :54?4"0B0' 73' .20' #7C89' C49.# 2050' 46' 8' C0D8""479' 73' KA"48' <4.2' .20' .2500' 790.60 ' 89D' .20' 0 : 4B58 42' 0 ' #) :' .20' 68C0' C8@' ; 0' 7 ; 605?0D' 79' =7496' 73' KA"48' 8A"8 ' KA"48' SA4"48 ' 89D' KA"48' 6 68 ' 6.5A=F' A9D05' "8B8E ; 8"A6 ' 8"67' 79' =7496' 73' 8"79498 ' <430' 73' &8""409A6 ' 89D' 7.205' ' !

' &&* 1 20' .2500' 3744034Z 6.89DG 49B* 1 246' .@ : 0' 89D' "0B09D' 7==A5' M68@6' 8 "89.N 79' =7496' 73' 7"A6489A6 ' 97.' ; 0=8A60' 20' <86' .20' 506.7505' 73' : A54.@' .7' .20' #7C89' C49. ' 375' 246' 64"?05' <86' 97.' ; 0..05' .289' .28.' 73' 246' :50G D0=066756' ' ; A.' 64C : "@' .7' 620<' 8' 90<' =7498B0' 6.5A=F' <4.2' 246' 4C8B0# 246' =749 ' 49' B7"D' 46' 73' .20' A.C76.' 5854.@*

5.W' # # # *EEEE 790.8 6.89D4SB ' <4.2' ;8"89=0' 89D' =7CA=7 : 460 ' 8.' 205' 300.' 8' 208 :' 73' C0.8'"* 1 246' 0 : 4B58 : 2' 89D' 34BA50' 8 : : 085' 79' 8' 60=79D') ' 73' "0I89D05' 0?05A6# 97.205' ;5866' =749' 73' .20' 68C0' C : 0575 ' 89D' .20' 68C0' C7DA"0 ' ; 0856' .20' "0B09D' 73' ' ! 3 ' (# 6# =* ' 89D' 50 : 50609.6' "0I89D05' <08549B' .20' :8"AD8C09.AC ' 0I.09D49B' 246' 54B2.' 85C ' 89D' 8' 6 : 085' 49' 246' "03.' 289D*

"0189D05' 46' .20' 79"@' C : 0575' <27' ; 786.6' 73' ;049B' .20' ' $' ' ' M506.4.A.75' 790.30' 89D' 790.8' % 1 =F20" ' 49' 246' 8997.8.479' 79' .2060' .<7' =7496 ' 83.05' SA7.49B' 8' "79B' : 8668B0' 357C' 8C : 54D4A6 ' <27C' 20' 620<6' .7' ; 0' 97' 6830' 8A.2754.@' .7' BA4D0' .20' 7 : 4A479' 73' 8' :58=.4=8'# 9AC46C8.46. ' 8 : : 08"6' .7' .20' 38=.' .28.' .20' 64"?05' =7498B0' 73' "0I89D05' 46' 97.' : A505' .289' .28.' 73' : 50=0D49B#504B96 ' ; A.' 58.205' C750' 8DA".058.0D ' T 67' .28.' M20' 8DD6N' <050' 4.' 97.' 375' .20' .06.4C79@' 73' .20' 8 ; 7?0E' 98C0D' 8A.275 ' 89D' .20' "0B09D6' 73' .20' C0D8"6' 49' SA06.479 ' <0' 627A"D' 97.' F97<' .28.' .246' C : 0575' 28D' C8D0' 89@' 4C : 57?0C09.' <28.0?05' 49' .20' 6.8.0' 73' C790.85@' 8438456*U

' " ' ' # ' &&' 1' 790.8' <4.2' 205' 8..54 ; A.06' 6.89D49B' ; 0.<009' KA : 4.05' 89D' 05=4D06' 6.89D49B' 49' "4F0' C89905' <4.2' .2045' 506 : 0=.4?0' 8..54 ; A.06* 1 5866' C0G D8""479' 73' 47="0.489*

20' ;5866' C0D8""4796' 73' 47="0.489' 850' 5850' ; A.' .246' 46' 8C79B6.' .20' 58506.' 73' .20C ' 89D' 375C6' 8' =A547A6' D0?48.479' 307C' .20' =7CC79' '

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[, .@ : 06' A9D05' <24=2' .20' ' ' 46' 50 : 50609.0D* 1 (0' 2050' 600' D0 : 4=.0D ' 86' 6A : G : 75.056' 79' 08=2' 289D' 73' .20' 790.85@' &7DD066' .20' .A.0"85@' D4?494.406' 73' .2760' .<7' D5440'# : 05G 60=A.756' 73' .20' 2546.4896 1 47="0.489A6' <27' =8""0D' 24C60"3' - ' 83.05' KA : 4.05' 89D' 8I4E' C489A6' <27' 866AC0D' .20' 98C0' 73' ;

' # ' # # 20' C49.' 73' @7A5' =4.@* 1 246' A9A6A8'# 0I : 5066479' 73' ' 49' .246' "0B09D ' <24=2' M8==7C : 8940D' ; @' .20' .2500' % 46' 37A9D' 79' ;5866' C0D8""4796' 73' 546 : A6 ' 89D' 7A6.89.4996 ' A9*' 49D4G =8.06' M8==75D49B' .7' .20' 7 : 49479' 73' A' 89B0 N' .28.' .20' 54B2.' 73' =7498B0' <86' =79=0D0D' .7' 7.205' =4.406' ; 064D06' #7C6' 357C' .20' : 0547D' <209' "8AD4A6' 46' 6A : : 760D' .7' 28?0' .8F09' 8<8@' 357C' .20' 098.0' .20' : 7<05' 73' 6.54F49B' C790@*

' # *' 49' 7.2056' # ' # &&# ' # #*' 49' 7.2056' # ' # # # &&# ' # * 1 (7C89' 6.89D49B' <4.2' ;8"89=0' 89D' =759A=7 : 460# 9' 60=79D' ;5866' 73' 47="0.489# 20' 8 ; 7?0' 850' =7CC79' 99D05' .20' 504B9' 73' .246' C : 0575*

20' ' <27C' .20' 8?854=0' 73' 49D4?4DA8"6' 49' 0?05@' 8B0' 28D' C8D0' 89' 7 ; 0=.' 73' :54?8.0' 8D758.479 ' 286' 8.' "09B.2' 8' : A ; "4=' 0I : 5066479' 73' 2797A5' =7960=58.0D' .7' 205' 89D]T <0' 97<' M68@6' =F20"N' 349D' '=8""0D' " * W' 246' 8 : : 0""8G .479' <86' 8664B90D' .7' .20' : A ; "4=' C49. ' D7A ; ."066' 79' 8==7A9.' 73' .20' ?86.' 8D?89.8B06' <24=2' 4.' =79G 3056' 79' C89F49D ' <27C' 49' 50.4A9' 4.' ; 027?06' .7' BA85D' .28.' 496.4.A.479' 357C' ; 049B' ?47"8.0D ' 04.205' ; @' 8DA".058.479' 73' C0.8'# 75' D4C49A.479' 49' <04B2.# ==75D49B"@' .7' : 50605?0' 4.6' 68=50D' =2858=.05' .20' : 098".406' 73' 68=54"0B0' <050' D097A9=0D' 8B8496.' 73309D056' 73' .246' D06=54 : .479 ' 64C4"85' .7' .2760' 098=.0D' 375' .20' : A9462C09.' 73' 6A=2' 86' 28D' D850D' .7' 8668A".' .20' ' #) 1 20' 496=54 : .479' F ' ') ' <24=2' 357C' 47="0.489L6' .4C0' ; 0=7C06' C750' 89D' C750' 350G SA09.' 46' 50=75D0D' 79' .20' C85 ; "0' =4.0D' ; @' A58.754A6' 89D' 8.' .20' =79="A6479' 73' <24=2' 86' 8 : : 0856' 357C' .20' =7550=.' 0C09D8.479' 73' 85494' 46' 508D 1 # ' # & 3 ' d ' 61' ' F ' ') ' # # * * "+ + 7' # # 86."@' 4.' C8@' ; 0' 7 ; 605?0D' .28.' "79B' ; 03750' .246' .20' 9.47024896' A60D' .20' 496=54 : .479' =38' # 44' 79' .2045' =7496*

' # # * 1 57C' .20' =7CG C09=0C09.' 73' .20' 50 : A ; "4=89' 375C' 73' B7?059G C09.' 8.' #7C0' .20' =7498B0' 73' C790@' <86' 09.5A6.0D' .7' .2500' 7334=056' <27' ; 750' .20' .4."0' 73' # * * * * * * 24=2' 64B943406' ' ' ' ! ' ! ' 20' 6A : : 760D' D8.0' 73' .2045' 496.4.A.479' 46' 8 ; 7A.' .20' @085' 73' #7C0' ['MX4 a' ; 03750' 2546.N* 1 KA"4A6' 334685' 8DD0D' 790' C750' : 05679' .7' .246' 790.85@' 549C?458.0' <27' .2A6' ; 0=8C0' 4444?4#"*# A.' .20' 9AC ; 05' <86' 8B849' 50DA=0D' .7' .2500' ; @' L ABA6.A6* 1 57C' .2045' 3456.' 496.4.A.479' A9D05' .20' 50 : A ; "4=' .2060' 790.8'# 8 6.58.06' <050' 49?06.0D' <4.2' 8' 6A : 50C0' D0B500' 73' 8A.2754.@' 49'

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8""# .249B6 .28.' 50"8.0D' .7' .20' 38 ; 5408.479' 73' C790@ ' 8' 6.54F49B' :5773' 73' <24=2' 46' 0I24 ; 4.0D' 49' .20' :54?4"0B0' <24=2' ;0"79B0D' .7' .20C' 73' 50G =75D49B ' ;@' C0896' 73' .@ : 06' 89D' "0B09D6 ' 38=.6' =7990=.0D' <4.2' .20' 246.75@' 73' .2045' 89=06.756' 75' 73' 7.205' ;589=206' 73' .2045' 38C4"406* 1 9' C790@' 6.5A=F' DA549B' .20' 0I46.09=0' 73' .20' 50 : A ; "4= ' 89D' 0?09' 83.05<85D6 ' .20' 98C06' 73' .2760' <27' 375C0D# .20' : 7.09.' .54AC?458.0' 73' .20' C49. ' .7B0.205' <4.2' .20' 494.48"# "0..056' <24=2' 49D4=8.0' .2045' 733#=0 ' <050' 496=54 ; 0D' 79' C0D8"6 73' #7C89' D40# A.' 4.' 46' .7' .20' 89=409.' C85 ; "06' .28.' <0' 850' 7 ; "4B67.' 50675.' 375' 49375C8.479' 86' .7' .20' D4330509.' 8 : : 0""8.4796' B4?09' .7' .20' <75FC09' 0C : "7@0D' 49' .20' ?8547A6' : 57=06606' 73' .20' =7498B0# (0' .2 50' 349D' .20' 37""7<49B' D097G C498.4796'/1 :' 1$$ ' ' *$' "F * ' ' :' $ ' $$ ' ':' ! ' :' & ' $$ ' :' , ' ' ' :' F ':' F ++ :' :' ! ' A.' .27AB2' .20' 733#=056' 89D' 0?09' .20' C050' 85.4689#6' 73' .20' C49.' 850' .2A6' 97.4=0D ' @0.' 904.205' .20' =7496' .20C60"?06 ' 975' 89@' <54.056' 79' C79AC04 .6' 73' 89.4SA4.@ ' 3A59462' .20' 6"4B2.06.' : 85.4=A"856' 506 : 0=.49B' .20' 85.46.6' <27' 09B58?0D' .20' D406' 375' .20' C49.' 73' #7C0# 2050' 46' 27<0?05' 89' 89.4SA0' 496=54 : .479' MOD4.0D' ;@' 85494N ' <24=2' ;0856' .2060' <75D6 1 ' &# # #' # E' ! 1F ' # ' # ' G 1 00' ' ' O # ' =749056' 75' <75FC09' 73' .20' C49.* 1 C796.' .20' #7C896' .20@' 375C0D' <4.2' .2045' <4?06' 89D' .2045' =24"D509' 89' 4CC0960' ; 7D@' 0I="A64?0"@' 0C : "7@0D' 49' .20' 38 ; 54=8.479' 73' 6 : 0=40' 89D' D7A ; ."066' : 84D' 357C' .20' : A ; "4= .5086A5@' <050' A9D05' .20' 75D056' 73' : 85.4=A"85' C8B46.58.06# .' 46' 97.' .7' ;0' 6A : : 760D' 27<0?05' .28.' .2050' <7A"D' 28?0' ;009' 67' ?86.' 8' 9AC ; 05' 73' .20C' 43' 49' 89=409.' .4C06' .20' : 57=066' 73' 6.54F49B' =7496' 28D' ;009' 86' 64C : "0' 86' 4.' 46' ;0=7C0' 49' 7A5' D8@6* 1 20' ' <050' C7507?05' 73' .20' "7<06.' 75D05' 89D' ="8660D' 67' CA=2' 86' 8' C8..05' 73' =7A560' 8C79B6.' .2760' <27' 37""7<' C0948"# 7==A : 8.4796' .28.' .20' : 8.2' .7' 2797A56' <86' ="760D' .7' .20C' 89D' .2045' : 764.479' 49' 67=40.@' D 3"0C0D' "4.."0' 357C' .28.' 73' 6"8?06* 1 9' =7496' 3' .20' 7590"48' 38C4"@' 0D4.0D' 49' .20' 0C ; 57F0' =7""0=G .479' <0' 508D' #' - 8' ' B6 ' , ' ' ! ' 9D' 86' 49' .20' 8B0' 73' KA"4A6' 89D' 73' ABA6.A6 ' '75' ' <050' 8 : : 749.0D' 86' C49.EC86.056' 67' 49' .20' 504B9' 73' 47="0.489' 89D' 246' 6A==066756' .20' 6A : 05G 49.09D09.6' 73' .2760' <27' =7490D' .20' C790@' 73' .20' 0C : 450' <050' =8""0D' # ' ' 75'# + ' 20' ' 97.' A9350SA09."@' C8D0' ;"A9G D056' 06 : 0=48""@' 49' .; 0' =860' 73' : "8.0D' =7496' <2050' .20' .@ : 0' <86' "086.' 8==75D89.' <4.2' .20' "0B09D 1 5=0"4=2' 89D' "7503"# 97.4=0' C89@' 496.89=06' 73' C790.8"# 055756' =7CC4..0D' ;@' .20' <75FC09' 89D' 8C79B6.' 7.2056' .28.' 73' : 57DA=49B' 8' DA : "4=8.0' 4C : 5066479' 73' .20' .@ : 0' <209' .20' C0D8"# <86' .A590D' 79' .20' D40# 3' .2060' + ' ' 60?058"# 0I8C : "06' 850' B4?09' 49' .20' ' #) &# 797B58C 1 246' 98C0' 46' B4?09' .7' 8' 34BA50' <24=2' 7496' .7B0.205' 60?058"# "0..056' 67' .28.' .20@' 600C' .7' C8F0' ; A.' 790* 1 ' 797B58C6' 850' .2A6' =2858=.056' =7C : 760D' 73' C89@' A94.0D' "0..056' 89D' .20503750' D43305' 357C' .20' "4B8.A50' <24=2' 46' 79"@' 8' =7990=.49B' 6.57F0' <24=2' A94.06' 60?058"# "0..056' : 97B58C6' <24=2' 850' ?05@' 350SA09.' 79' &500F' C790@' 850' 60"D7C' 37A9D' 79' 8.49' C0D8"6' 0I=0 : .' 79' .2760' 73' #7C89' 38C4"406*E 1 4""49' 49' 246' - . ') ' ' 83.05' 8=F97<"0DB49B' .20' B508.' "0859 49B' 89D' 506085=2' D46 : "8@0D' ;@' 4 79.389=79' 5=0"4=2' 7C ; 0' 750CA\\8' 0""0549' #86=20' 89D' 7.205' D46.49BA4620D' 9AC46C8.46.6' 49' .2045' 09D08?7A56' .7' 0I : "849' .20' C0849B' 73' C797G B58C6' 7 ; 605?06' .28.' T .20' : 8496' .2A6' .8F09' =89' 285D"@' ;0' 50B85D0D' 86' 7.205<460' .289' A60G "066' 649=0' .2060' 8 ; ; 50?48.4796' 850' 375' .20' C76.' : 85.' 49=8 : 6t"0' 73' ; 049B' D0=4 : 2050D' 89D' .7' ;0' =7964D050D' 49' 97' 7.205' "4B2.' .289' 86' =79?09.4798"# 64B96' <2760' 64B9434=8.479' <86' F97<9' : 0528 : 6' 79"@' .7' 8' 30<' : 056796# 7664 ; "@' M20' 8DD6N' .2060' C797B58C6' <050' 8D7 : .0D' 375' .20' : A5 : 760' 73' .257<49B' D4334=A".406' 49' .20' <8@' 73' 375B056# .' C8@' ;0' 86' <0"" .7' F97<' < 8.' "0..056' 850' 50 : 50G 609.0D' ; @' 6A=2' 89D' 6A=2' C797B58C6' ; A.' <4.2' .20' 0I=0 : .479' 73' 67C0' 4.' 46' "76.' "8 ; 7A5' .7' 8..0C : .' .7' D46=7?05' .2045' C08949B*U ' 8 : : 085' 79' =7496' 73' .20' ' + ' # 7 ' 89D' 7.205' #7C89' 38C43406* &# ' # * 1 20' C797G B58C' 73' 2546.' V ' 46' 7 ; 605?0D' 79' =7496' 73' 796.89.490' .20' &508.' 4=494A6 A9*' 79G 6.89.490' A9*' 796.896' 796.89.496' *' 0.58947' 8B909.4A6' 0=0A.4A6' 796.89.4A6' &8""96' K7?48986' 8"09.4A4899 6' *' 8"096' 57=7 : 4A6' &58.489A6 8"09.4A489A6' *' 207D764A6' 8BAA6' 8I4CA6' 5=8D496' 7975498' 89D' C76.' 73' .20' C : 05756' 73' .20' 86.' D7<9' .7' 058="4A6* 1 00' ' ' 1 'F 1 2060' 494.48"6' 850' 37A9D' A9D05' .20' 0I05BA0' 73' =7496' 6.5A=F' A9D05' 8I09.4A6' 89D' 7.2056* 1 00' 89D954' <27' 8"67' B4?06 # ' ' $ ' C " ' ' 75' #' 'F ' 1 790@' 6.5A=F' 8.' 50?06* ' ' # + 1 85F' 7 : f4A6' : 50097C09' 89D' 98C0' 73' 8' C89* ' #' ' ' ! '# ' ' 6"= ' ! ' # ' F + 1 .' ' F + ' ' ' ' ! ' ' 75' ' ' 1 00' %?7 ' ' ' ' / ' ' ' :' 79' =7496' 73' ABA6.A6* ' & ' #' 'F ' ' 1 20' 68=50D' C49.' 73' 7A5' C : 05756* ' + 1 ?' '$!0$!0! ' 49' 46 : 8948' 8558=7909646* ' ' 98C0' 73' .20' A=48' 38C4"@* 1 ' A=4A6' <86' 8' D46.49BA4620D' 85=24.0=.' 49' .20' .4C0' 73' 854A6' 8 ; 7A.' ?*=' [H* ' ' : "0 ; 0489' 38C4"@' 20' 6A598C0' P 754384* 1 20' 79"@' =749' 8..54 ; A.0D' .7' 4.' 46' 790' 506 : 0=.49B' <24=2' 4.' 27"D6' 8' =79.06.0D' ="84C' 375' <4.2' .20' ! $ ' 38C4"@' ;0' D09854A6' 49' SA06.479

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;4.89.6' D4D' .20' .4."0' 73' #7C89' =4.4\096 ' .20@' <050'6A; 0=.' .7' 97' ; A5.2096' 75' 7334=06' ; A.' 6A=2' 86' <050'4C : 760D' 79' .20' #7C896' .20C60""?06≠ .' 46' 97.' : 50=460"@' F97<9' <28.' <050' .20' 98.A50' 89D' 0I.09.' 73' : 7<05' @40"D0D' 49' .246' 496.89=0 ' ;A.' .20' .7<96' 79' <27C' .2060' : 0=A"485' :54?4"=006' <050' =7A30550 j3' D4D' 97.' 38f' .7' 6.8C :' 79' .2045' C790@' .20' 98C0' 73' + 1 9' .2760' 73' .20' :89462' :57?49=06' 8' 2A""≠ 8: :0856' .7' ;0' .20' =A6.7C85@' 6 9;7"' 86' C8@' ;0' 6009' 79' =7496' 73' 86=89.AC 5=8?4=8' &58==A5546' 64=05D8' =* 1' 75' 8' 50?40<' 73' .20' + ' 73' C : 0548"≠ C0D8"6' 600' 84""89.L6" "08590D' 89D' 0 ' <75F' 79' .20' ' ' $' 6 :' 73' .20' : 549=4 : 8"≠ : 749.6' 73' 49375C8.479' =79.8490D' 49' <24=2' 89' 898"@646' 286' ;009' 8..0C : .0D' 49' .246' 4=.47985@* ≠ A9434=09=0* 1 97.205 .05C' 375' 0I : 5066493z' .20' C8B9434=09.' "4 ; 058"4.@' 73' .20' 504B949B' : 549=0' .7' .20' #7C89' : 07 : "0' 49' B4?49B' .20C' : A ; "4=' 620<6' 75' 6 : 0=.8="06' <4.2' .20' 8==A6.7C0D' 0I24 ; 4.479' 73' B8C06≠ (0' 349D' 4.' =7CC74D@' 50 : 50609.0D' 79' =7496' 73' 9.7949A6' 4A6' 7CC7DA6' 0?05A6' 89D' "8B8 ; 8"A6' ; @' .20' 6@C ; 7≠ 73' 8' "479' 75' 73' 89' 0"0 : 289.≠ 9' 8' ; 5866' C0D8""479' 73' &75D489A6' 4A6' <24=2' : 50G 609.6' .20' 34BA50' 73' 8' C89' 64..49B' 79' 89' 0"0 : 289.' 89D' 34B2.49B' <4.2' 8' ; A""≠ 49' .20' "8?489' 8C : 24G .208.50' .20' 496=54 : .479' 8DD0D' 46' 49= 4 ' & # 4 4' &' 1 20' 49=7C : 858 ; "0' CA9434=09=0' 73' 8D5489' 46' C76.' 0"0B89."@' =7C : "4C09.0D' 79' .28.' C76.' 5850' =749' 49' 3456.' ; 5866' <24=2' ; 0856' .20' 0 : 4B58 : 2' o " #! 3!' $! ' * * ' 1 20' CA9434=09=0' D46 : "8@0D' ; @' D4330509.' CG : 05756' 8.' 6.8.0D' .4C06' 49' .20' D46.54 ; A.479073' "85B06606' .7' .20' #7C89' : 07 : "0' 46' 350SA09."@' 50G =75D0D' 79' .2045' =7496' A9D05' .20' D4 64B98.479' 73' x ' ' '# ' 75' # ' &' 1 ' 7.205' 0I8C : "06' 73' 4C : 0548"≠ $ ' 04.205' 49' .20' 50C466479' 73' .8106' " ' = ' 0 %' 75' 49' .20' 8 ; 7"4.479' 73' 7A.E' !6.89D49B' ="84C6' 79' 6.8.0ED0 ; .756' 850' .7' ; 0' 37A9D' 49' .20' 68C0' 6054O6' 73' #7C89' =7496* ' &≠ ≠ * 1 9' 0"0 : 289.' 28590660D' 49' 85C7A5≠ 20' .@ : 06' 73' .<7' =7496' M.20' 375C05' 8' ; 5866' C0D8""479' .2 ' "8..05' 8' 60=79D' ; 5866 M' 73' 9.7949A6' 4A6' C76.' ="085"@' 0I : "849' <28.' 8 : 4.7"49A6' 50"8.06' 73' .28.' C : 0575≠ T' 0' B8?0' : A ; "4=' 6 : 0=.8="06' " h %' 49' <24=2' <050' 0I24 ; 4.0D' o # ' 89D' ' M8' C79B50"≠ ; 086.' 73' .247 : 48N' 89D' 27ASA0.496' M6.50 : 64=057.=0N' <4.2' ' 89D' 8""≠ 5850' 894C8"6' 357C' 0?05@' : 85.' 73' .20' <75"D≠ 0' 8"67' 620<0D' 8' 2A9D50D' o ' 8.' 790' D46G : "8@*U 1 .' 46' A9D05' .246' : 549=0' .28.' .20' 0 : 4B58 : 2' · 3456.' 8 : : 0850D' 79' =7496' M.7' <24=2' =F20"≠ 8664B96' .20' D8.0' ?*=≠ a JN' .27AB2' 4.' 20=8C"≠ 73' 350SA09.' 7==A5509=0' 49' 6A ; 60SA09.' 504B96' <4.2' .20' 8==7C : 89@49B' .@ : 0' 73' 67C0' <4"D' 75' 37504B9' 894C8"≠ D06.490D' .7' ; 0' 2A9.0D' 49' .20' 85098' 73' .20' 8C : 24.208.50"≠ 75' .20' <75D' ' <86' A6MXD' ; @' .20' 7"D' <54.056' .7' 64B943@' 8' 620<' 73' <4"D' ; 086.6' 75' 8' =7C ; 8.' 73' B"8D48.B56' 86' 4=057' 68@6 1 $ $ ' ' ' 6 + ' ' ' 1 M 00' =F20"' ?7"≠ ?44≠ : ≠ , a*N .' 46' 8"67' .7' 20' 7 ; 605?0D' .28.' 79' .20' 60=79D' =749' .20' 0"0 : 289.' 46' 50 : 50609.0D' 49' 8' =7?0549B' 73

* 85C7A5' M"754=8.96N≠ 20' 3456.' .@ : 0' 73' .246' F49D' 46' 6009' 79' C0D 6' 73' 4.A6' 8 ; 7A.' .20' @085' 73' #7C0' HH≠ 28.' 4.' 8 AD06' .7' .20' B8C06' .209' =0"0 ; 58.0D' ; @' .28.' C : 0575' 46' C750' 3A""@' : 57?0D' ; 0=8A60' 73' 4.A6' 4.' 46' 684D' ; @' A0.794A6 1 ' ' ' ' ' ' ' ! % ! " ! ' ' + ' ' ' 0 '7 ' ' ' ' ' ' ' + ' 0 1 20' 68C0' .@ : 0' 73' 8" "754=8.0D' 0"0 : 289.' <4.2' .20' "0B09D' ! % ! " ! ' & ' 50=A56' 79' =7496' 73' 7CC7DA6' 49' .20' @085' ?*=≠ aH ' M<209' 20' 620<0D' 246' <79D57A6' 6F4""≠ 49' 85=205@' 8.' 8' : A ; "4=' 6 : 0=.8="0N' 89D' 8"67' 79' =7496' 73' 0?05A6' 49' a[' M ; 03750' 20' 60.' 7A.' 79' 246' 85.2489' 0I : 0D4.479N' 89D' 46' .20503750' .7' ; 0' 50B85D0D' "4F0' .28.' 73' &75D489A6' 4A6' 8 ; 7?0' SA7.0D' 86' 49D4=8.49B' 67C0' B589D' D46 : "8@' 73' C 8 9' : 57D4B8"4.@' 89D' =5A0".@' 49' .20' 6 : 75.6' 89D' =7C ; 8.6' 73' .20' 8C : 24.208.50* 1 00' , + ' & # ' &* 1 20' "8?489' C : 24.208.50' 49' <24=2' 8' ; A""≠ 89D' 89

0"0 : 289.' M.20' "8..05' <4.2' ' C89' 64..49B' 79' 4.N' 850' 7 : : 760D' .7' 08=2' 7.205≠ 9' 08=2' 64D0' 73' .20' 8C : 24.208.50' 46' 89' 0D434=0' ; @' .20' 64D0' 73' .28.' 79' .20' "03.' 6.89D6' 8' =7"7668" 34BA50' 73' 05=A"06* 7' 8' D06=54 : .479' 73' .246' 50C85F8 ; "0' .@ : 0' <24=2' 8 : : 0856' 79' 8' ; 5866' C0D8""479' 73' &75G D489A6' * ' =F20"≠ 8 : : 09D6' .20' 37""7<49B' 4""A6.58.4?0' 97.0≠ 3.05' 8D?05.49B' .7' .20' <75D' $ ' 8==7C : 8940D' <4.2' .20' 34BA50' 73' 89' 0"0 : 289.' 79' =7496' 73' 9.7949A6' 4A6' M60D' : 50=0D49B' =7"AC9' 73' .246' <75FN' 20' 68@6 1 T 4?@' 286' 30=75D0D' .28.' 0"0 : 289.6' 3456.' 8 : : 0850D' 49' .20' B8C06' 73' .20' =45=A6' 49' .20' @085' ?*=≠ [≠ I.58?8B89=0' F00 : 49B' : 8=0' <4.2' .20' 49=5086O' 73' 4 08".2' .20@' <050' 350SA09."@' 49.57DA=0D' 49.7' .20' 6 : 0=.8="0' 89D' 83375D0D' 8' 64B2.' 97.' 79"@' 0IG .5875D4985@' ; A.' 49' C89@' 496.89=06' : 4.48 ; "0≠ 7C : 0@' .20' &508.' 49' 246' 60=79D' 796A"8.0' 0I24 ; 4.0D' 8".7B0.205' 04B2.009' 73' .2060' 894C8"6' <24=2' <7C4D0D' 89D' CA.4"8.0D' 86' .20@' <050' DA549B' .20' : 57B5066' 73' .20' : 05375C89=06' C0.' <4.2' .20' =7CC46058.479' 0?09' 73' .20' : 07 : "0' <209' 79' 300"49B' .2045' <7A9D6' .20@' D0646.0D' 357C' .20' =7C ; 8.' 89D' C7?49B' 57A9D' .20' =45=A6' <4.2' .2045' .5A9F6' "43.0D' 49.7' .20' 845' .20@' 8 : : 0850D' .7' 09.508.' .20' 49.0530509=0' 73' .20' 6 : 0=.8.756' 89D' .7' =8""≠ .2045' "75D6' .7' <4.9066' 50C49D49B' .20C' 86' 4.' <050' 73' .20' 78.2' ; @' <24=2' .2MO@' 28D' ; 009' 49DA=0D' .7' 8""7<' .20CG 60"?06' .7' ; 0' 8""A50D' 357C' 354=8≠ 246' 46' 479U6' 8==7A9.' .7' <24=2' "49@' <54.49B' 79' .20' 68C0

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6A; 0=.' 8DD6 .28.' .20 :07:"0 <050 67 0I=4.0D <4.2 49D4B98.47A 8.' .246 6:0=.8="0' .28.' D46G 50B85D49B .20 B09058 49 =2403 " + % ' 89D .20 64B98 CA9434=09=0 D46:"8@0D ;@ 24C 49 .2045 2797A5' .20@ 5760 86 790 C89' <4.2 .0856 49 .2045 0@06' 89D 627<050D 79 7C:0@ 4C:50=8G .4796' .20 <04B2.' 73 <24=2 20 6779 83.05<85D6 0I:05409=0D*1 4=057' 8"67' <27 <86 8 6:0=.8.75 79 .20 7==86479' 286 50"8.0D' .28.' B508.' 86 <86 .20 86.79462C09.' 73 .20 :07:"0' .20@ 30".' 97 B58.434=8.479 8.' .20 64B2.' ;A.'58.205 .28.' 8 300"G 49B 73 :4.@ 37""7<0D .20 0I24;4.479' 89D 89 7:4947 .28.' .2050 <86 8 F49D 73 833494.@ ;0.<009 .28.'894C8 89D.20 2AC89 58=0* 1 T 75 C@60"3 U 8DD6 =F20"' T '<7A"D <4""49B"@ ;06.7<'C@ :5846O 79 .20 300"49B D46:"8@0D ;@ .20 :07:"0' <27 6A33050D .20C60"?06 .7 ;0 .7A=20D ;@ .20 .74"6 89D':8496 0?09 73 ;086.6 A.' 8C 50"A=.89."@ =7C:0""0D .7 <4.227"D C@ =7CC09D8.4796' <209 '503"0=.' 79 .20 49=79646.09.' 6@C:8.2406 73 .246 68C0 :7:A"8=0' <24=2' D06459B .28.' .20 ;"77D 73 ;5A.06 627A"D ;0 6:850D' =7A"D 300D 4.6 0@06 89D .27AB2.6 <4.2 .20 6"8AB2.05 73 2AC89 ;049B6 49 .20 85098*1 97<' 50=A5 .7 .20 =749 4.60"3' <24=2 50:50609.6 .20 C:24.208.50 73 .20 548?44 M8.' #7C0N' 89D <4.249 4.' 49 8DD4.479 .7 .20 0"0:289.' 8 ;A"" 8"67' 375 .2060 894C8"6 A60D 89=409."@ .7 ;0 :4..0D 8B8496.' 08=2 7.205' 85.48" 28?49B DO6=54;0D 6A=2 8 =7C;8.*U 1'

' # (*1 20 ' ' ; ' <86 B4?09 ;@ .20 C:0575 .7 24C <27 3456.' 6=8"0D .20 <8"" 75 375.434=8.4796 73 89 090C@L6 .7<9 75 =8C:* B54::8 <86 D0=758.0D <4.2 ;7.2 .20 CA58" 89D .20 576.58" =57<9' <4.2 .20 375C05 375 28?49B 6A R:50660D 89 496A550=.479 49 #7C0' 89D 20 ;750 .20 "8..05 8"67 79 8==7A9.' 73 246 ?4=.75@ 7?05 0I.A6 MC:0@* 1 20 CA58" =57<9 46 89 8..54;A.0 73 @;0"0' 89D 4.6 .A550.0D =45="0.' 46 37A9D 8D75949B .20 208D 73 .2760 4C8B06 <24=2 605?0 86 .20 :05679434=8.4796 73 =4.406 89D:57?49=06* 1 0 0 ' # ' # ' -) *1 20 C49.' 75 C790@ 73 .20 4.@* 1 00 ' *$' && ' ' 4 2 ' ' F ' ' 8) ' 'k ' ' ' *1 9 8 =749 73 79E 6.89.4A6 2"75A6*

' 6A598C0 73 # .8.4A6 86 4.' 46 508D 79 8 =749 73 .20 F '38C4"@*

' 6A598C0 73 .20 ' 38C4"@*

+' 8 620"" 3462 73 .20 "4SA75 <2050 73 <86 C8D0 .200=0"0;58.0D:A5:"0 73 .20 @54896' 8==75D49B"@ 4.' 375C6 .20 9AC46C8.4= 6@C;7" 73 @50*1 .' 46 684D .28.' .20 49?09.75 73 .246 :A5:"0 D@0 C8D0 .20 D46=7?05@ ;@ 8==4D09.8""@ 7;605?49B .20 8<6 73 246 D7B .49=.A50D <4.2 .20 "4SA75 73 .20 *1 '=7"7948" C0D8" 73 @50' 6.5A=F A9D05 "8B8;8"A6' 89D 897.205 A9D05 &8""409A6' 850 B4?09 ;@ 84K"89.' 86 0I24;4.49B .20 CA50I' 75 w ?3 *1 00 3

U 1 8 C7A60 75 58.1 .20 34BA50 73 790 46 6009 A9D05 8 2756 79 8 =749 73 .20 / ' 38C4"@' 79 <24=2' 850 .20 "0..056 *' %*1' 8?05=8C:'97.'4C:57;8;"@ =79 0=.A506 .28.' .246 C0D8" 5040S6 .7 67C0) ' " ' <27 :0528:6 28D .20 6A598C0 M"4F0 0=4A6N 73

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*p' " m' .20 B7DD0660 73 679B' 73 ?0560' 89D 73 =4?4"4\8.479' B4?09 .7 C89F49D .257AB2 .20 C0D4AC' 73 CA64= 89D :706@*1' 20 D8AB2.056 73 KA:4.05 8AD 73 3 ' M 0C75@N' .2045 A6A8" 8;7D0 <050 .20 204B2.6 73 859866A6' 0I=0:.' <209 .20@ 86646.0D 8.' .20' ;89SA0.6 73 .20 B7D6 .' 3456.' .2050 <050 79"@ .2500 73 .20C ' ;A.' .20 :70.6 6A==0664?0"@ 49G =50860D .2045 9AC;05 .7 89D 85.46.6 50:50G 609.0D .20C 67C0.4C06 .7B0.205 8.' 7.2056 49 60:858.0 34BA506' 49 8 B508.' ?8540.@ 73 =7CG :764.4796 C79B6.' .20 506.' .20 ' 850 37A9D 79 .20 D09854 73 .20' + ' 38C4"@' 79 8==7A9.' 73 .20 898"7B@ ;0.<009 .20 98C0 73 # + ' ' M<27 =8A60D .2045 4C8B06 .7' ;0 .2A6 0I24;4.0DN' 89D .20 B09054= D064B98.479 73 .2060 08?09"@ C84D6*U 20@ 850 75D4G 9854"@ D0:4=.A50D 49 "79B D4066 89D .20 90=F =7?050D 7C0.4C06 27<0?05' .20 627A"D05 89D .20 85C 850 98F0D' .7 38=4"4.8.0 .2045 :05G 375C89=0 79 .20 ' 75 285:*1 ' #7C0 79 0C:"0 73 <756"44:' <86 =7CC79 .7 .20C 89D .7' ; '

9' 750""6 ' , ' # ' 8C79B6.' .20 =749 6 73 .20' # + ' 38C4"@' 850 B4?09 .20 .@:06 73 D09854 4' 79 <24=2 5649' 84""89.' 89D 8?05=8C:'28?0' 08=2 49 .2045 .A59' 0I05=460D .2045 6:454.' 73 506085=2 89D 49B09A4.@' .7 D46G .49BA462 6A==0664?0"@ ;@ .2045 28;4"4C09.6 89D 8..54;A.06 .20 506:0=.4?0 :05679434=8.479 6 73 .20 <27"0 =2758" .57A:* 20 68C0 D4334="A".@ 286 27<0?05 7:.760D 4.60"3 .7 .20 6A==066 73 .246 8..0C:.' 8.' D46=54C498.49B .20 D4330509.' D0C4E B7DD0660 6' <24=2 46 0I:05409=0D <4.2 50B85D .7 .20 6=A":.A506 73 .20 =0"0;58.0D 685=7:28BA6 :A;"4620D ;@ :79' ;0=8A60' A9"4F0 .20 =860 73 .20 05=A"890AC :4=.A506' 97 98C06 73 CA606 850 496=54;0D' ;A.' .20 49SA4505 46 "03.' .7 4D09.43@ 08=2 C0C;05 73 .20 .A903A* =2745 U C050"@ 357C .20 8==7C:89@49B 4964B948' <24=2 850 97.' 49 8"" 496.89=06 04.205 ="085"@ D0"4908.0D 75 0IG ="A64?0"@ 8:57:548.0D*1 3 08=2 73 .246 605406' .20 7;?0560' ;0856 .20 208D 73 8 @7A9B 30C8"0' "8A508.0D' M50:50609.49B .20 CA60N <4.2 8 75 8 6.85' 75 8 B85"89D' 75 67C0 7.205 D46.49=.4?0 C85F' ;0249D 4. 1 9 .20 50?056 <0 600 8 30C8"0 34BA50' 89D .20 <75D6 =' *1 20 .@:06 89D 6A;6.89=0 73 .20 0IG :"898.4796 850 86 37""7<' ?4*/1

' + ' .20 49?09.75 73 .20 20574=' :70C' " '? % 6.89D6 27"D49B 49 205 54B2.' 289D 8 57""0D ?7"AC0' 205 "03.' 85C' 506.49B 5C 8 =7"AC9' <4.2 .20 0:4B58:2 %* # # ! '

*

' 49?09.5066 73 .20 "@50 " % ' 6.89D6 27"D49B 8B8496.' 205 64D0 <4.2 .20 "03.' 289D .28.' CA64=8" 496.5AC09.' .20 6.549B6 73 <24=2 620 .7A=206 <4.2 205 54B2.' 86 43 :"8@49B 79 4.' 97.' <4.2 + ' 2A.' M<28.' <86 C750 24B2"@ 06.00C0DN' <4.2 .20 349B056*

, $' <27 49?09.0D 2@C96 .7 .20 &7D6' 46 50:50609.0D 86 43 649B49B' <4.2 D4620?0""0D "7=F6 620 6.89D6' ="7.20D 49 .20 6.7"8' SA40."@ 27"DG 49B 205 54B2.' 289D .25A6.' 49.7 205 ?06.' .20 + ' 75 4579 :09' 46 49 205 "03.' 289D' <24=2 289B6 D7<9*

, + ' .20 49?09.75 73 58B0D@' 6.89D6

???

506.49B 205 54B2.' 289D 79 8 ="A; ' 89D 27"D49B ' C86F 49 205 "03.* 1 20 + ' M68@6 8?05=8C:' 49 750""N <24=2 8::0856 ;0249D .20 208D 73 .20 30C8"0 79 .20 7;?056O 73 .246 D09854A6 620<6 .7 <28.' CA6O .20 4C8B0 ?79 4.6 50?056O 46 .7 ;0 8664B90D' ?4*' .7 A.05:0' .7 <27C' 86 8;7?0 6.8.0D' .20 49?09.479 73 58B0D@ <86 4C:A.0D' ;@ .20 &500F6*

9 D06=54;49B ' 20560"3 ' ?4D 68@6 1 '

q ' 5' + & ' 6' ')

20 =76.ACO 89D 8..54;A.06 73 .20 CA60 79 .246 =749 850 9BA"85 / 620 97.' 79"@ 27"D6 8 C866@ ="A;' ;A.' 62O <0856 .20 "479L6 6F49 375 8 208D6 D5066* 20 ' ' 600C6 .7 28?0 ;009 50B85D0D' ;@ ?4D 86 57;A6.' ?47"09.' 4CC75.8"' 89D .20503750 .5A"@' 05=A"089* 2A6 20 649B6 M49 246 C75* 444* ,* N / 1

, 0 ' ' ' 8 K + 9 ') 'q '0 '+ ' ') '

+ ' .7 <27C 758=0 86=54;06 .20 0:4B58C' 6.89D6 :"8@49B 79 8)) ' 506.49B 79 8 :4""85 ;03750 205 ' .20 54B2.' 289D ' <4.2 01.09D0D 349B056' 6.54F06 .20 6.549B6' 89D .20 "03.' 6A::75.6 .20 496.5AC09.* 20 600C6 .7 ;0 8==7C:89@49B 205 ?74=0 79 .246 285:*

3 ' .7 <27C .20 49?09.479 73 .20)) ' 46 8..54;A.0D' ;@ 758=0 M * 4* D* 4*N' 6.89D6 <4.2 54B2.' 289D 289B49B D7<9 27"D49B .20 + '/ 620 6A::75.6 .20 "@50 49 205 "03.' 289D' 89D 205 54B2.' 377.' 46 6"4B2."@ A:"43.0D* 246 "86.' 98C0D' 8..4.AD0 8"790 M86 <0 0 .7"DN :57="84C6 .246 .@:0 .7 20 .28.' 73 A' 1 3 ' ' 375 4.' <86 ;@ .20 64"09.' C7?0G C09.' 73 .20 377.' .28.' 50BA"85 .4C0 <86 B4?09 .7 .20 679B* 9D .2A6 79 .246 D09854A6 .20 B7DD066 M86 8?05=8C:' SA7.06 357C 45B4" M49 ' F3-

' ' 8

F ' ' ' 0 '# 3 3 '

+ ' <27 .8AB2.' .20 8=.' 73 :"8@49B 79 .20 :4:06 " ' $ % 46 50=7B9460D ;@ 750 ' 49 .20 30C8"0 34BA50' ="7.20D 49 .20 ' <27 6.89D6 6A::75.49B 205 208D 79 205 "03.' 289D' <24=2 620 506.6 79 8 =7"AC9' <24"6.' 620 27"M ' .<7 34A.06 ") % 49 205 54B2.' 289D* 1 .2056' 27<0?05' 50305 .246 .@:0 .7 A.05:0*

' .20 49?09.5066 73 =7C0D@' 89D D0"4908.75 73 .20 C899056 73 67=40.@' 6.89D6 <4.2 205 "03.' 0";7<' 506.49B 79 8 =7"AC9' 89D 27"D49B 8 .208.54=' C8FF 49 205 54B2.' 289D*

8 ' .20 CA60 73 86.5797C@' 6.89D6 ;03750 8 B"7;0 :"8=0D 79 8 .54:7D' <24=2 620 .7A=206 <4.2 8 <89D 20"D 49 205 54B2.' 289D* 1 ==75D49B .7 .20 7"D &500F 0:4B58C' 58948 D46=7?050D .20 :7"0' 75 :749.' 73 .20 8146' 79 <24=2 .20 89=409.6 6A::760D .20 208?096 .7 20 .A590D' 89D 8"67 .20 C@6.4=' D89=0 73 .20 6.856 " ' % 1 L75 .246 508679 8 6.85 46 :"8=0D ;0249D .20 208D 73 .246 CA60 79 .20 7;?056O 73 .20 C0D8"*

*1 00 ; '

' 8 38C4"@ "4.."0 F97<9 01=0:.' 79 .20 =7496 73 #7CO 6.5A=F DA549B .20 "8.06.' D8@6 73 205 50:A;"4=* .6 6A598CO 46 (' 20 64"?05 850 5850* 2050 850 :40=06 73 .246 38C4"@ 49 B7"D 89D 64"?05 6.5A=F ;@ .20 C790@056 73 KA"4A6 60685 89D 73 .20 .54AC?458.0 M 9.79@' =:4D96 89D =.8?4A6N* 1 20 ;5866 =7496 73 .20 A664D48 38C4"@ 850 ;@ .20 C790@056 73 ABA6.A6 89D 850 =7CC79**

C79B .<09.@ ?8540.406 B4?09 49 750"" .2050 46 8 D09854A6 73 .246 38C4"@ ;0854 9B 79 790 64DO 04.205 8 :75.584.' 73 KA"4A6 80685' 75 .20 58D48.0D 208D 73 .20 A9' 75 .20 208D 73 ' 0 ':' 89D 79 .20 50?0560 8 50:50609.8.479 73 .20 ' 49 <24=2 46 6009 8 D46.54;A.05 ") 7' 73 ?7.49B .8;"0.6 89D 8 =4.4\09 B4?49B 246 6A3358B0* 9 .20 ;860 73 .20 ' 46 496=54;0D "0 "! ' 89D 8;7?0 4.' 46 508D * ?664 4?6 & 6 1 00 ' 89D ' 0

*1 A.A8" 50=4:57=8.0D' 0SA4D 79 ;7.2 64D06*1 00 4 ' ' && / $' 1 11 / (2 ' 1 1 1 9=7496 73 8";49A6 89D A:409A6*

3 ' $'* 1 00 ' ' 3 ':' 8"67 ' # *

* .20 .245.009.2 "0..05 73 .20 8.496 46 .7 ;0 7;605?0D 86 8 C49.' C85F " ' ' % 79 =7496 73 .20 9.7948 8"E :CC48' 7590"48' 8;48' 0509948' KA"48' K9948' 8C4"48' 7;"4=48' 05?4"48' A":4=48' 89D 7.205 #7C89 38C4"406*

* 46 8"67 6009 79 .20 0105BA0' 8933 49 .20 340"D 73 =7496 73 &8""409A6' "8AD4A6 &7.24=A6' %A49.4""A6' 572A6' 47="0.489' 89D 73 8 6A;60G SA09.' 8B0*

* 246 "0..05 64B94306 8.8"46 M;45.2N' 75 0:76 M90:20<No 75 7;4"46 M97;"ON' 75 76.05 Y M7A56N' 75 7?A6 1 7?8 M90<N' 75 AC09 MD4?494.@N' 75 ACA6 MC790@N*

* 1 20 D7A;"0 "4F0 .20 D7A;"0 89D D7A;"0 &' D097.06 .20 :"A58"' .2A6 4R * * & * * ' ' '

246 "0..05 46 .2500 .4C06 50:08.0D 79 8 =749 73 796.896' 89D 79 897.205 73 8"096' .7 01:5066 .2500 1 &&& 1 89D 37A5 .4C06 50:08.0D 79 C0D8"6 73 796.89.496 2"75A6' 47="0.489' 89D 8"* 814C489A6' .7 8=F97<G "0DB0 .20 8A.2754.@ 73 .<7 0C:05756 89D .<7 406856 1 86 375 018C:"0' && ' " '

'8:"0;0489 38C4"@ 1 4.698C0 " ' 1 4.6 6A598C06 $ o$ ' " # 00 ' * ! / ' 20 64"?05 =7496' 73 <24=2 .2050 850 C89@ ?8540.406' 850 =7CC79* .6 ;5866 :40=06 850 ;@ .20 C790@056 73 ABA6.A6* 790 73 .20C 850 49.0506.49B' ?05@ 30<' 5850*

08D 73 09A6' <4.2 6* =* 49 .20 340"D* - 1 * <44}' 88* 4=.75@ 49 8 =85 D58<9 ;@ .2500 2756O6' 8.' 3A"" 6 00D* 20 D09854 73 .246 .@:0 850 8"" 60558.0D* '79 =7496 73 #7C89 38C4"406* 1 00 '6

* 20 85;7998460' :85.' 73 &8A"' <24=2' A9D05 .20 #7C896' =7C:5460D 8?7@' 8A:249@' 57?09=0' .20 0?09906' .20 =7A9.@ 73 741' 89D .20 506.' 73 89BA0D7=*

[' *

49' .20' A6A8'# C89905' ;03750' 24C' 46' 8' .0C : "0' 79' 8' 57=F'# 9' 790' 73' .2060' C0D8"6 M73' <24M 2' .20' 5854.@' 46' 05@ B508.N' 89' 08B"0' 6.89D6' 8.' .20' 377.' 73' 09A6' <4.2' "0B09D' " 0' * & ' # / ' 9' .20' 7 ; ?0560' 73' .20' 68C0' =749' 8 : : 085' .20' "8A508.0D' 208D6' 73' .20' .<7' 24"4 : 6' 38.205' 89D' 679' <4.2' .20' 496=54 : .479' ' ' # !0!##! ' 1<<' . ' ' # ++ '

20' 018C : "0' 60"0=.0D' 375' 4""A6.58.479' 46' .8F09' 357C' 8' ; 5866' =749' 49' .20' 54.462' A60AC'# .' 46' 01 : "8490D' ;@' .20' D06=54 : .479' B4?09' 73' .20' : 50G =0D49B' ?8540.406*

20' 4C8B0' 73' .20' 8667 =48.0' 73' 8==2A6' <850 589.6' .20' 4930509=0' .28.' 86' 790' 73' .20' C4975' D04.406' .20' 8B89' =79SA05756' 73' 8C8548' <750 624 : : 0D' 24C'# 9' 7A9. &854\4C' M34BA50D' 79' .246' 89D' 8"'# 7.205' =7496' 73' 08 : 7"46N' 8' .0C : "0' 28D' ; 009' ; A4".' 49' 2797A5' 73' KA : 4.05' 86' 46' 620<9' ;@' 8' : 8668B0' 49' K760 : 2A6' M"4 ; # ,>' = : : # N' 6.8.49B' .28.' .20' &854\4.8808 9' .0C : "0' <86' 375G C05"@ D0D4=8.0D' .7' .20' 76.' 4B2' M89D' 79"@ .5AON' &7D' 2A.' .28.' .20' 8C854.896' 609.' 8C ; 8668D756' .7' 9.47=2A6' : 4 : 28906' : 0.4.47949B' 24C' .28.' 86' .20' .0C : "0' 28D' 97.' 24.205.7' .20' .4."0' 73' 89@' &7D' 4.' C4B2.' .209=0375.2' ;0' =8""0D' .28.' 73' - + ' 4 F3' <24=2' 50SA06.' <86' B589.0D'# 1 20' 08B"0' <4.2' <49B6' 6 : 508D' 46' 50B85D0D' ;@' 67C0' 86' 89' 0964B9' 73' .20' #7C896' <24"6.' 7.2056' .249F' 4.' 503056' .7' KA : 4.05' .7' <27C' .20' .0C : "0' 79' 7A9.' &854\4C' <86' D0D4=8.0D*

+ ' / 1 20' 37""7<49B' 649BA"85' .@ : 0' 79' 8' 3456.' ;5866' 73' .246' =7"79@' 6.5A=F' A9D05O' 24"4 : : A6' 609475' 46' B4?09' 49' 0""0549L6' = 3' 4'# : 4'# 114'# 7'# >' : # H, /E

6 1 5'' - - ' 9' 8' =85' D58<9' ;@' 37A5' 275606' 8"45086.' .20' 34BA50' 73' 8' C89' 46' 50 : 50609.0D' 6.89D49B' 38=49B' .7' .20' 3579.' 28?0G 49B' .20' 54B2.' 289D' 01.09D0D' 89D' 27"D49B' 8' 6 : 085' 4""# 2460"03.'# <7' 7.205' C8"0' 34BA506' 790' 8.' 246' 54B2.' .20' 7.205' 8.' 246' "03.' 289D' 27"D' 08=2' 8' 6 : 085' 49' .20' "03.' 289D' ' 20'79' .20' 54B2.' 64D0' 01G .09D6' 246' 54B2.' 289D' 89D' 20' 79' .20' "03.' 64D0' 584606' 246' 54B2.' 289D' 7?05' .20' =09.50' 34BA50' 86' 43' 49' .20' 8=.' 73' =57<949B' 24C'# 9' .20' A : : 05' : 85.' 73' .20' C0D8"# 46' 6009' 7A9.' &854\4C' 89D' 8' .0C : "0' 79' 4.6' 6ACC4.*

i $3' & ' & ' ' Y d' .@ : 0EM.20' 8==A6.7C0D' 6@C ; 7'# 73' #7C89' =7"79406N' 8"67' 8 : : 0856' 79' 3456.' 89D' 60=79D' 25866' 73' 24"4 : ' 609475' <4.2' 8' .0C : "0' 79' 7A9.' &854\4C' 8.' .20' .7 : ' 73' .20' =749'# 20' "0B09D' 73' .20' 50?0560' 46' # 4 ' # '# ' ' + '

20' 08 : 7"4.89' =7"79@' 73' @548' 8" 6.498

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83.05' .20' C89905' 73' .20' &500F' =4.406' 49' 648' 4975' 8D7 : .0D' .20' 496=54 : .479' 73' ' 20' =7496' 49D00D' 0124 ; 4.' .20' "0..05' "' 375' = ' ; A.' .20' #7C896' A60D' ; 7.2' "0..056' 86' 49' .20' 496.89=0' 73' 8"09D' 89D' ' 8"09D'# 20' 07=754' M 0<h=K : 7.N' 600C' .7' 28?0' ;009' .20' =A58.756' 73' 68=50D' 0D434=06' 89D' C898B056' 73' : A ; "4=' B8C06' 75' 86' 49' 8.49' .20@' <7A"D' ;0' =8""0D' + 1 00'

' ' ; 1 9' 8' 3456.' ;5866' 73' 24"4 : ' 609475' 850' .20' 37""7<49B' "0B09D6' 89D' .@ : 0' <24=2' 0""0549' 8 D6' .7' .2760' 73' 08 : 7"46' 0D4.0D' ;@' 84""89./1

+ 2 2 1 = ' ="7.20D' 46' 6.89D49B' ;03750' 05=A"06' <27' ?01.09D6' 246' 289D' .7<85D6' 205'# ;7?0' 46' 74C.' &854\4C' <4.2' 8' .0C : "0' 79' 790' 64D0' 73' <24=2' 46' .20' 64B9' 73' .20' 6A9' 89D' 79' .20' 7.205' .20' 64B9' 73' .20' C779'# 1 F3' 4'# : 4'# 114'# 7'# >' : # H, *

' & ' + ' & F3' ;0908.2' 8' .0C : "0' 79' 8' 57=F' 8 : : 0856' 79' 8' =749' 73' 50 ; 79489A6' &8"4A6' 6.5A=F' 8.' 08 : 7"46' 8C85460' <4.2' 4 ?' "0B09D6' 79' ; 7.2' 64D06*

3' ' ' F + 1 9' 8' 60=79D' ;5866' 73' 7"A648AA6' 6.5A=F' ;@' .20' =7"7946.6' 8.' .20' 8C854.89' 08 : 7"46' 058 : 46' 6.89D6' 7 : : 764.0' 8' =4 : : A6' 79' <24=2' 46' : "8=0D' 8' "0B47985@' 08B"0' <4.2' 8' C4"4.85@' 0964B9' ;0.<009' .20C' 46' 8' 58C' 79' 790' 64D0' 89D' .2500' =759E0856' 79' .20' 7.205' 8 ; 7?0' .20C' 46' 8' .0C : "0' 79' 8' 57=F 1 "0B09D - o' + 2 J

^ 20' "0B47985@' 08B"0' 89D' C4"4.85@' 0964B9' 79' .246' =749' 620<' .28.' 97.' 79"@' .7B8.0D' =4.4\096' 357C' .20' F ' B096' M<209=0' 08 : 7"46' 46' =8""0D' 05B48N' <050' .5896C4..0D' .7' 4.0M49' 06 : 86489L6' .4C0N' ; A.' 8"67' .28"' .246' =7"79@' <86' 5049375=0D' <4.2' "0B47985@' ?0.05896'# 058 : 46' <86' <75624 : : 0D' 8.' 08 : 7"46' 86' =749z :3 # A50"4A6' 89D' 858=8""8' M&500FN' 6057?0' .7' : 57?0'# 20' 0856' 73' =7C' 64B943@' .2045' 8 ; A9D89=0' 49' .20' .0554.75@' 73' 08 : 7"46'# 20' 58C' M85406N' 600C6' .7' D064B98.0' .20' 6086794' 73' 6 : 549B' <4.2' <24=2' A9D05' .20' 8 ; 7?0EC09.4790D' 64B9' 73' .20' n7D48=' .20' 08G : 7"4.896' "4F0' .20' 9.47=24896' 89D' 8C86=0906' <050' 8==A6.7C0D' .7' ; 0B49' .246' @085' <2"6.' 67C0' =4.406' 49' .2060' 50B4796' =8"=A"8.0D' .20456' 357C' 8A.AC9*Q

) ' 89' 894C8'# 50 : 50609.0D' 79' =7496' 73' &8""409A6' 68=50D' 79' 8==7A9.' 73' .20' =2860' .7' 4898*

'# '# %'# #'# ' ' ' / ' # 1 00' 8

'# '# ' ' J

'# F3' 75'

F3' 8' =0"0 ; 58.0D' =4.@' 49' &8""48' 85 ; 7909646' 67' =8""0D' 357C' 4.6' 37A9D05' 73' .28.' 98C0' <86' 06.8 ; "4620D' 86' 8' 3' 73' .20' #7C896' DA549B' .20' 504B9' 73' ABA6.A6'# .' 46' 97<' =8""0D' F3' 49' 89BA0D7='M 589=0N'# ' "85B0' 9AC ; 05' 73' 4.6' =7496' B7"D' 64"?05' 89D' ; 5866' 28?0' ; 009' 37A9D' 8.' ?8547A6' .4C06* 1 ' $ ' ' 73' .246' =7"79@' 49' 60=79D' 89D' .245D' ; 5866' 28?0' .20' 208D' 73' 856' 75' 73' #7C0' 375' .2045' .@ : 0' 89D' 850' 496=54 ; 0D' ' - o ' ' ' 3' <4.249' 8' =57<9' 73' "8A50'# 1 20' + ' C0D8"6' 6.5A=F' 8.' 46C06' 850' 73' C4DD"0' ; 5866' 89D' : 50609.' 79' .2045' 7 ; ?0560' .20' 208D6' 73' ABA6.A6

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89D' B54':8' :"8=0D' ;8=F' .7' ;8=F' <4.2' .20' 496=54:.479' ! #t' ! !' # ' + ' . + ' ! $.' 89D' 79' .20' 7;?0560' 8' =57=7D4"0' 8..8=20D' ;@' 8' =2849' .7' 8' :8"CE.500' <4.2' .20' 0:4B58:2' " o' 1 20' .@:0' 503056' .7' .20' =79SA06.' 73' B@:.' 89D' 4.6' 50DA=.479' 49.7' .20' 375C' 73' 8' :57?49=0* 1 .58;7' 6:08F6' 73' 86' 73' 8' =7"79@ 49?06.0D' <4.2' B508.' S454?4"0B06' 8C79B' .20' 506.' .28.' 73' .20@4 ' ' 89D' 89' 89=409.' 496=54:.479' 3799D' 8.' 46C06' =8""6 4.' 7848' E 4 ' V 2A6' D054?0D' 89D' =796 6.4.A.0D' .20' ' 49?8548;"@ 6.5A=F' .20' 8667=48.0D' 0334B406' 73' B54::8' <4.2' ABA6.A6' 89D' .20' 4C8B0' 73' .20' =57=7334"0' .40D' .7' 8' :8"CE' .500' 79' .2045' =7496' 86' :749.49B' .7' .20' 754B49' 89D' D8.0' 73' .2045' =7"7948" 37A9D8.479" 3.05' 85F' 9.79@L6' 7?05.257<' 8' B508.' C89@' ?0.05896' 357C' ?8547A6' 0B4796' <050' 86' 8' C8..05' 73' 90=0664.@' 609.' .7' D0309D' D4330509.' =7"79406' :85."@ 49' .8"@' :85."@ 49' 7.205' :57?49=06" 9D' .2760' <27' <050' :8660D' 7?05.7' 46C06' 28?49B' :0528:6' ;009' .20C60"?06' :50609.' 49' .20' "0I896' D5490' <85' <050' :"0860D' .7*=7CC0C758.0' .28.' 7==A5509=0' ;@' 6.8C:49B' 79' .2045' =7496' 8"67' .28.' 6@C;7" 73' ?89SA4620D' B@:.' <24=2' 286' A6.' ;009' D06=54;0D" ' 8?09B05' 73' =54C06' 89D' :A946205' 73' <4=F0D' D7056" 20' D4?494.@' .2A6' 98C0D' 89D' 8D750D' ;@' .20' &500F6' <86' 8"67' ;@' .20' #7C896' 20"D' 49' 24B2' 506:0=.' 375' .20' 0SA4.8;"0' 89D' 4C6' :85.48" 60?054.@' 73' 205' =286.460C09.6' 89' 8".85' <86' =7960=58.0D' .7' 205' 49' .20' =8:4.7"' 89D' .2050' ;0375 60..49B' 7A.' 375' ;8..'0' <8554756' 50675.0D' .7' 4CC7"8.0' ?4=.4C6' 89D' .7' C8F0' 205' .20' 733056' 49B' 73' 8' 6<75D" 9' 8' :24"767:24=' 60960' 0C0646' <86' .20' 6@C;7" 73' 57?4D09=0' 89D' 73' .20' =850' <24=2' .20' 6A:50C0' :7<05'.8F06' 73' <28.' 28::096' 49' .246' <75"D* 1 9' 8' C0D8""479' 73' 8=549A6' 6.5A=F' 8.' @\4=A6' 0C0646' 46' =57<90D' <4.2' .7<056' ;008960' 4.' 46' .20' 75.A90' 73' @\4=A6* 1' ' 46' 50=7B9460D' 86' 28?49B' 8' 646.05' B7DD066' 73' .20' 68C0' 98C0' .27AB2' 67C0.4C06' =8""0D' ' 20' .<7' 8?09B49B' B7DD06606' 8::085' 79' &500F' C0D8""4796' 73' 85=A6' A50"4A6' 9.7G 949A6' 0?05A6' 89D' 7.2056* 1 4""49' 68@6' .28.' .2060' ' 850' .20' .<7' ! ' ' <24=2' 850' 6009' 79' 8' D09854A6' 73' .20' 6 ' 38C4"@' M600' ! ' 89D' 6 % ' 7.2' D4?494.406' :549=4:8""@ 49?7F0D' 49' .508.406' 73' :08=0' <050' BA8589.006' 375' .20' 34D0"4.@ 73' 78.26* 1 9' #7C89' =7496' 0C0646' 286' 8==75D49B"@ .20' 68C0' 8..546 ;A.06' <4.2' .20' &7DD066' 73' 08=0' " ! % ' 20' ' 73' C@598' <2050' .20@' 28D' 8' .0C:"0' 8::085' 79' 8' ;5866' C0D8""479' 73' 8D5489' 6.89D6 49B' .20' 790' 27"D49B' 8' <200"' ' .20' 7.205' 8' 6<75D/ 08=2' 286' 205' 54B2.' 289D' "43.0D' .7' 205' C7A.2' <4.2' .20' 496=54:.479' =76" 49* 1 20' 0C0606' 28?0' 73.09' 8' 349B05' :"8=0D' 79' .20' C7A.2' .7' 620<' .28.' 4.' 46' 90S06685@ .7' ;0' D46=500.* 1 9' 8' ?05@' 5850' B7"D' =749' 73' .20') ' 38C4"@' 8' <49B0D' <7C89' 6.89D6' 27"D49B' 205' 57;0" 246' 34BA50' =F20" :5797A9=06' .7' ;0' .28.' 73' 0C0646' 89D' B4?06' 018C:"06' 73' 64C4"85' .@:06' 79' B7"D' 89D' 64""?05' =7496' 73' "8AD4A6' 49' <24=2' .20' 68C0' <49B0D' 34BA50' 73' 8' 30C8"0' 46' <8"F49B' "43.49B' 205' 57;0' 357C' .20' ;767C' .7<85D6' .20' 38=0' <4.2' 790' 289D' 89D' 27"D49B' 8' =8DA=0A6' 49' .20' 7.205' 8' 605:09.' 79' .20' B57A9D' ;03750' 205' <4.2' .20' 496=54:.479' # "!' & 1 "67' 79' 8' 64""?05' =749' 73' 8D5489' .2050' 8::0856' .20' 68C0' .@:0' 73' 8' <7C89' 79"@ .28.' 620' 27"D6' 8' ;589=2' 49' 205' "03.' 289D' <4.2' !" ! ' & 1 20' 375C05' 73' .2060' =F20" ="8""6' .20' 0C0646' 73' # ' .20' "8..05' .20' 0C0646' 73' 3 1 ^ 00' ?7"" ?4" ::" >H ' 89D' [,,*0 " + ' 75' + 1 &589D679* 1 C?4' #" " ! ' ' + 1 @ .246' 8::0""8.479' 8D5489' 46' 350SA09."@ ="8""0D' 49' 496=54:.4796' 89D' 67C0.4C06' 5850"@' 79' =7496' M60=79D';5866*N " + 1#0' #' " ! ' 1< 1 00' + '"- % ';7C' 49' 8"C8.48' <86' 679' 73' 0:7.489A6' 8' B09058" 7334=05' 89D' 73' 8' 646.05' 73' 85== 49A6' <27' 28D';009' C8D0' 67?0504B9' 73' .28.':57?49=0' A9D05' .20' 504B9' 73' 0?0C6' * 20' C:0575' 07' " B8?0' 24C' .20' 940=0' 73' 246' <430' 49' C8554 0' 89D' 28?49B' 3456.' D0:760D' &"@=05496' D0="850D' 24C' C:0575' 73' .20' (06.' 89D' ABA6.A6' * " " 4=.7547A6' 2AC890' =7A58B07A6' 20' <86';7.2' <75.2@' .7' 27"D' .20' 6=0:.50' 89D'=8:8;"0' 73' 50E06.8;"46249B' ;@' 246' <46D7C' 89D' A6.4=0' .20' B"75@' 73' .28.' C750' .5A"@' #7C89' :75.479' 73' .20' 0C:450' 7?05' <24=2' 20' 28D' ;009':"8=0D" A.' 246' D0645' 0' .7' :50605?0' :08=0' 89D' .589SA4""4.@ 375' 246' <85E<759' 89D' 0128A6.0D' :07:"0' <86' 35A6.58.0D' ;@' .20' 50?7".' 73' 506.06' =7CC89D05' 73' .20' &8""4=' 0"0B4796' 89' 8C;4.4796' 89D' 49.0""4B09.' A6A5:05' <27' =7C:0""0D' 0:76' .7' 8;89D79' .8"@' 89D' .246' A9375.A98.0' :549=0' <86' 8;7A.' 37A5' @0856' 83.05' 246' D0.257904:09.' 866866498.0D' 8.' 8"798' 49' 8"C8.48' ;@' .<7' C0C;056' 73' ;46' 7<9' 27A6027"D' 8.' .20' 496.4B8.479' 73' &"@=05496' <27' 28D' .2050' 83375D0D' 24C' 89' 86@"AC' * " ' 28?49B' 504B90D' 49' .8"@' 790' @085' 89D' .<7' C79.26*

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1 46' =7496' 850' 8"'" ?05@ 5850# 0' 46' 6.@"0D' * # ' 5 # * # &' ' 75' * # 5? 4?6 # # :*:# &' 20' 0I8C:"0' B4?09' 46' 357C' 89' 8A50A6' 49' .20' 54.462' A60AC*

.!*' ' ! ' # + -' <86' .20' 679' 73' 8' 6098.75' 73' .28.' 98C0' 89D' 73' A.57:48' 646.05' .7' 796.89.490' .20' &508.# 0' <86' =796A"' 49' ' HH # 9' 4C4.8.479' 73' 8B909.4A6' 20' 86:450D' .7' .20' 0C:450' 866AC0D' .20' :A5:"0' 49' K4C0' ' H[' .77F' .20' .4."0' 73' ABA6.A6' <24=2' 246' B"8D48.7548"' C05=0985406 :50.09D0D' .7' =7934 5C' .7' 24C' 89D' 83.0550:A"649B' 94=0.A6' :5030=.' 73' .20' 560.7548A6' 8.' 7590' 7;.8490D' 086@ :7660664 79' 73' .20' =8:4.8"' 73' .20' (06.# A.' .246' A6A5:05' 28D' 97.' .20' B094A6' .7' :50605?0' .7' 24C60"'3' <28.' 246' B77D' 375.A90' 28D' 8=SA450D# 96.08D' 73' =79=4"48.49B' .20' 7C896 <27' 357C' 28.50D' .7' 8B909.4A6' 28D' 50=04?0D' 24C' <4.2' :"086A50' 20' 6.5A=F' .05575' .257AB2' .20' =4.@' <4.2' 246' :576=54:.4796' 89D' 4554.8.0D' .20' 4928;4.89.6';@ 246' CA5D057A6' =5A0".406# (4.249' 8' C79.2' .20' .@589.' <86' F4"'"0D' D06:058.0"@' D0G 309D49B' 24C60"'3' 49' 8';8.."0' <4.2' 85=0"'489A6' 790' 73' .20' B09058"6' 73' 8B909.4A6' <27' :A94620D' 759D' 375' 205' 50?7".' ;@ .20' C76.' 3057=47A6 0I0=A.479' 73' C4"4.85@' ?09B089=0' 79' .20' <50.=20D' :07:"0* 1 20' 79"@' =7496' 73' 0:7.489A6h:57;8;"@ 6.5A=F' 8.' 7590' 850' 49' 60=79D';5866' 89D' 73' .20' 24B206.' 5854.@# 0' 46' 6.@"0D' #o' # #' 2(1' (' (' 1<' ' 89D' # # E ' &1 20' 0I8C:"0' B4?09' :;7?0' 46' .8F09' 357C' 8' =749' 49' .20' 54.462' A60AC + ' 1 20' B589DED8AB2.056' 89D' B589DE940=06' 73' 0C:05756' <050' =8"'"0D' ' 86' 8.4D48' D8AB2.05' 73' 58 89L6 646.05*

75' # + ' F # # + ' 6 ' 86' 43' 7C0' <86' 8;7A.' .7' 509D05' .289F6' .7' 0:.A90' <27' 28D' ;009':57:4.47A6' .7' .20' C:0575L6 49?7=8.479' 89D' BA85D0D' 24C' 6830"@ 7?05' .20' 608* # + 1 0:.A90' 679' 73' 8.A59' 89D' 208' <86' 790' 73' .20' .<0"?0' B508.05' D4?494.406' 73' &500F' 89D' 7C89' <75624:# 9' .20' :85.4.479' 73' .20' <75"D' <4.2' 246' ;57.2056' KA:4.05' 89D' "A.7' .20' 0C:450' 73' .20' <8.056' 30"'" .:' 246' 62850# .8.A06' C0D8"6' 89D' 09B58?0D' 6.7906' :50609.' .7' A6' .20' :0=A"485' 49=4D09.6' 73' 246' 38;"0D' 246.75@# 46' 4C8B0' D433056';A.' "4.."0' 357C' .28.' 73' KA:4.05' .2050' 46' 8' B508.' =79375C4.@' 49' .20' 85589B0C09.' 73' .20' 2845' 73' .20' 208D' 89D' 49' .20' 375C' 73' .20';085D' ;A.' .20' 0I:5066479' 73' :7<05 89D' C8 06.@ 46' =7C:858.4?0"@ 300;"0' 49' .20' 34BA50' 73' .20' 08E' 49B# 0' 46' *A6A8"'"@ :7A5.58@0D' 98F0D' 75' <4.2' 8' ?05@"4B2.' (1 '67C0' C0D8"6' =7496' 73' 7549.2' 89D' 73' 05@.A6' 20' 46 6009' D58<9' ;@ 608E275606' <24=2' 28?0' .20' A:05' :75.479' 73' .28.' 894C8"' <24"6.' .20' "7<05 0I.50C4.406' .05C498.0' 49' 8' 3462L6 .84"# 246 4C8B498.4?0' =508.A50' 46' .20' ++ + ' 0:G .A90' =855406' 8' 6=0:.50' <4.2' .2500' :749.6' 75' .00.2' =8"'"0D' .20' .54D09.* 1 @.27"7B46.6' B4?0' C89@ 5086796' 375' .246' 8..54;A.0' 8C79B6.' 7.2056' .7' C85F' .20' .54:"0' 8A.2754.@' 73' .20' &7D' 7?05' .20' 608' <24=2' 20' <86' 6A::760D' .7' 28?0' .20' :7<05 73' .57A;"49B' 89D' 73' =8"C49B' 89D' <24=2' 20' 8"67' E :50605?06* 1 ' 6ABB06.6' <20.205' 4.' C8@' 97.' ;0' 50B85D0D' T 86' 89' 496.5AC09.' 375' =8.=249B' 3462' L' 89D' 20' 496.89=06' .20' &500F' 346205C09' <27' .7' .246' D8@' C8F0' A60' 73' 8' 64C4"85' 496.5AC09.' 375' .28.' :A5:760* 1 00' * 3 (; ++ + 20' :70.6' 28?0' 86=54;0D' 8' :57D4B47A6' 9AC;05' 73' 8C8.75@' 8D?09.A506' .7' 0:.A90' 89D' C8D0' 24C' .20' 38.205' 73' ?8547A6' 09.05:54649B' 205706' 89D' <8554756' .20' 37A9D056' 73' =4.406# 9' &500=0' 89D' 49' .8"@' 06:0=48"'"@ 49' C854.4C0' :"8=06' 8' B508.' C89@.0C:"06' <050' 58460D' .7' 246' <75624:# 20' 7C896' 20"D' 24C' 49' 6A=2' ?09058.479' .28.' 306.4?8"6' 89D' B8C06' 73' .20' =45=A6' 8.' 7590' <050' =0"0;58.0D' 49' 246' 2797A5' 79' .20' 3456.' 73' KA"@' 89D' <24=2' <050' C85F0D' 375' .28.' D8@' 49' .2045' =8"09D85';@ .20' <75D6' ; ' + ' ' (28.' 46' C76.' 649BA"85' 86' .20@' ;0"40?0D' .28.' 0:.A90' 375C0D' .20' 3456.' 27560' 67' 8"'" 275606' 89D' CA"06' 50C8490D' <4 47A.' <75F49B' DA549B' .20' 3086.6' 73' .246' D04.@' 89D' 09 7@0D' 8' 50:760' <24=2' 97' 790' D850D' 49.055A:.* 1 0:.A90' =57<90D';@ 4=.75@ 64B943406' .20' B58.4.ADO' 73' 24C' <27' 86=54;0D' .7' .28.' D4?494.@' .20' C0896' 73' 246' B849G 49B' 8' 98?8"' ?4=.75@* 1 20' B508.' 9AC;05' 73' =24"D509' 8664B90D' .7' .246' B7D' 85760' 357C' .20' =45=AC6.89=0' 73' .2760';049B' B09058"'"@ =8"'"0D' .20' 6A96' 73' 0:.A90' <27' 28D' D46.49BA4620D' .20CG 60"?06' 49' 608' 34B2.6' 75';@ .2045' 6F4' ' 49' 98?4B8G .479# F '# + ' :A330D' A:' <4.2' 246' 98?8" 6A==06606' =2760' .7' 20' 67' D097C498.0D' 89D' <0' 349D' .246' .4."0' 79' 246' C0D8"6* 1 20' .0C:"0' 73' 0:.A90' 46' 6009' 50:50609.0D' 79' 8' =749' 73' .20' 7944.48' 38C4"@# 20' B7D' 24C60"'3' :"8=49B' 246' 377.' 79' 8' B"7;0W 49' 8' C0D8" 73' ABA6.A6' M496=54;0D' " ' ! !' ! A' 89D' 49' 897.205' 73' 4.A6' 49D4=8.06' .28.' .20' C:05756' 866AC0D' 0SA8"'"@' .7' ;0' C86.056' 73' "89D' 89D' 608# 064D06' .20' .54D09.' .20' D7":249' .20' 5ADD05' 89D' .20' <050' 8..54;A.06' 73' 0:.A90' 89D' ;085' 5030509=0' 79' C0D8"6' .7' C854.4C0' :7<05* 1' 0:.A90' <86' 20"D' .7' ;0' .20' 8A.275' 73' 085.2G SA8F06' <24=2' 20' :57DA=0D';@ :506649B' .20' 085.2' <4.2' 246' 300.' 209=0' <0' 73.09' 600' 24C' 79' =7496' <4.2' 67C0.4C06' .20' 54B2.' 67C0.4C06' .20' "03.' 377.' 79' 8' B"7;0* 1 00' 1. + 1' + ' 3 ' & '46' 6009' 79' 8' =749' 73' 057' 50:50609.49B' .20' :75.' 73' 1 ' 0' 46' 34BA50D' 49' 8' ':76.A50' <4.2' 8' D7":249' 49' .20' 54B2.' 289D' 89D' .54D09.' 49' .20' "03.' 79' =7"7948" =7496' 73' 7549.2' 6.5A=F' DA549B'.20' 504B96' 73' 7C4.489' 9.7949A6' 4A6' # A50"4A6' 89D' 7CC7DA6# 0' ' 98F0D' 79' =7"7948" =7496' 73' ABA6.A6' 58 89' 9.794AO# 89D' 7CC7DA6* 1 00' # ' 1 89D' " ! + ' <4.2' D7":249' 89D' .54D09.' 8::0856' 79' 8' 60=79D';5866' C0D8" 73' B54::8' <4.2' .20' 0:4B58:2' 73' ' & !## ' .*' :# =76* 444*' 246' 208D' ;08549B' .20' 576.58.0D' =57<9* 1 00' ++ + ' 6.89D49B' .7' .20' 54B2.' 246' "03.' 289D' B586:49B' 8' .54D09.' ;0249D' 24C' .20' 4;05' " ' # # ' * 1 9'

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.7' 9B96.96# #08"4\49B .20' 89.4=4:8.4796' 73' .28.' C:0575' 20' ;0=8C0' .20' C76.' 8==7CE :"4620D' 2057' 73' 246' .4C0# 09.' 8.' .20' 8B0' 73' .<09.@E.2500' 49.7' 34280.48' M.20' @57"N' .7' SA0"# 8' 50?7".' 20' =79SA050D' .20' 496A5B09.6' 8.' 509.' 49' 8' :4.=20D' ;8.."0# 3.05<85D6' 98C0D' &09058# 73' .20' 85C406' 49' &05C89@' 246' 6A==06606' <050' 67' B508.' .28.' 20' 0I.09D0D' .20' D7C4947 9' 73' .20' #7C896' .7' .20' ;89F6' 73' .20' ";0# 246' 3490' =2858=.05' =79=04?0D' .20' D064B9' 73' 50G 06.8;"46249B' .20' #0:A;"4=' 89D' 09.5A6.0D' 246' 60=50.' .7' 246' ;57.205' 4;054A6' <27' 4.' 46' 684D' ;0.58@0D' 24C' .7' ABA6.A6* 1 0' D40D' 49' .20' @085' ['9 ' aN' ;03750' 20' 28D' 50:8660D' .20' #2490' 49' .20' H .2' @085' 73' 246' 8B0' D00:"@ 50B50..0D' ;@ .20' <27"0' 0C:450' 375' .20' B508.' 89D' ?45.A7A6' SA8"4.406' <4.2' <24=2' 246' 98C0' <86' 67' B"7547A6"@ 8667=48.0D# 3.05' 246' D08.2' .20' 098.0' 6A5E 98C0D' 24C' & ! !" ' <24=2' <86' .5896C4..0D' .7' 246' =24"D509# .8.A06' 89D' .54AC:28# 85=206' <050' 8"67' 050=.0D' .7' 246' 2797A5' 89D' 34BA50D' 79' 246' C0D8"6# 246' 549=0'*28D' C85540D' 9.7948' ;@' <27C' 20' 28D' 4 ' 89D' 4?4 8# 9' 246' =7496' <24=2' 49' 08=2' C0.8"' 850' 8"" C750' 75' "066' 5850' 20' 46' 6.@"0D' # 1 # ' ' # "& # WWW' * # ' ' # ' # ' % %# # # # ' ' (' ' . ' ' | ' / 0 0 ' ' |' '- ' ' ' 9 '£1 057' 89D' 5A6A6' r6856' %A49G SA09948# M AAC?456N' 73' .20' 4=.7547A6' 7"79@ KA"48' 7?8' 85.28B7 1 97<' 85.28B0# ' 679' 73' &05C894=A6' 89D' 73' B54::498' ;57.205' 73' 5A6A6' <4.2' <27C' 20' <86' =8503A"'@ 0DA=8.0D' 89D' .58490D' ;@' 246' C7.205# 0' <86' ;754' ' 9 ' N' 89' 8==7C:"4620D' =2858=.05' 89D' 73' 0I=0""09.' SA8"4.406# 20' C796.05' 4;0G 54A6' <27' 28D' C85540D' 24C' 8.' ,['@0856' 7"D' .7' 246' B589DED8AB2.05' KA"48' 6779' 83.05' 0C:"7@0D' .20' 4938C7A6' C4946.05' 0 8AA6' .7' 09.89B"0' 24C' 49' .20' 698506' 73' 246' =5A0".@' 89D' ;0=7C49B' 24CG 60"3' 246' 8==A605' =8A60D' 246' 0I4"0' 49' ' .7' .20' 79\8' 46"06' M 79.48N' <2050' 20' <86' "03.' .7' D40' 73' 2A9B05' 49' .20' =7A560' 73' .20' 37""7<49B' @085# 8"4BA"8' 246' ;57.205' 8.' .20' ;0B499498' 73' 246' 504B9' ;57AB2.' ;8=F' 246' 86206' <4.2' .2760' 73' .;045' C7.205' B54::498' 89D' D0:764.0D' .20C' 49' .20' 68C0' .7C;# M 00' -- -*1 20' .7496' 73' .206.0' .<7' @7A9B' :549=06' M49' 60=79D' ;5866N' 850' =7CC79 1 .20@' 850' 50:506043.0D' .7B0.205' 79' 27560;8=F' <4.2' .20' 6.@"0' 3K ' ' ' 4 2 22 1 00' . ' ' # ' ' ' . % ' 679' 73' 904A6' 7C4.4A6' 2097;85;A6' 89D' 73' B54::498' .20' @7A9B05' <86' ;7C' 8.' 9.4AC' 49' .20' H .2' @085

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73' .20' 2546.489' 058# 0' <86' 8D7:.0D' 9 ' [N 89D'=508.0D' m685';@' "8AD4A6' <2760' D8AB2.05' =.8?48' 20' C85540D' 89D' <27C' 20' 0?09.A8""@ 6A==00D0D' 8".279B2' 20' 28D' 97' 38C4"@ ="84C' 75' ;45.2E54B2.'.7' .20' 4C:0548#.25790# A.' "8AD4A6' 28?49B' 06 47A60D' B54::498' .28.' A96=5A:A"7A6"@ 8C;4.47A6' :549=066' :056A8D0D' 24C' .7' 8D7:.' 205' 679' ;@' 7C4.4A6' 89D' =7960SA09."@ .7' 0I="AD0' * ' <27C' .20' C:0575' 28D' ;@' 0668E "498# 57C' .246' .4C0' 20' .77F' .20' 98C0' 73' ' ' ':' 50=04?0DE.20' .4."0' 73' # + ' - ' 49' [,' ' 89D' "8AD4A6' ;049B' 50C7?0D' ;@' :74679' 057' 6A==00D0D' 24C' * # [' ;049B' .209' , ' @0856' 73' 8B0# .' 46' 684D' .28.' 20' 98.A58""@' :7660660D' B508.' 89D' 0?09' B77D' SA8"4.406# 46' :50=0:.75' 090=8' =05.849"@ 90B"0=.0D' 97.249B' .7' 0997;"0' 246' C49D' 89D' .7' 8==7C:"462' 246' 0DA=8.479# 0' <86' 379D' 73' .20' 3490' 85.6' 73' :70.5@' 89D' 8;7?0' 8 ' 73' CA64=' 246' :866479' 375' <24=2' "0D' 24C' .7' =7CC4.' 8' C9".4.ADO' 73' 0IG .58?8B89=06# 9' .20' 3456.' @085' 20' 600C0D' .7' B4?0' :57C460' 73' 8' 28:.@' 504B9# A.' 49' .246' 27' 0?4D09."@ <86' D46BA4649B' .20' 8.57=4.@' 73' 246' D46G :764.479# 057' 6779' D57::0D' .20' C86F' 73' ?45.A0' 89D' 8;8.@"790D' 24C60"3' .7' 246' ?4=47A6' 89D' =5A0# :57:0964.406# 0' 6A==0664?0"@ :A.' .7' D08.2' 54.8994=A6' 246' 28"3E;57.205' M[aN' 7C4.48' 246' 8A9.' =.8?48' 246' <430' "8AD48' 246' 646.05E49E"8< ' 090=8' 89D' A552A6' <27' 28D' ;009' 246' .A.756' 89D' 75;A"7' 246' ?4=.7547A6' B09058# 'e A=89' 89D' 0.5794A6' 89D' 246' 60=79D' <430' 7::m8' 8"67' ;0=8C0' .20' ?4=.4C6' 73' 246' C95D057A6' 3A5@' <24=2' 0I.09D0D' .7' 8' CA".4.ADO' 73' 7.205' :056796# 9' .20' @085' 20' =8A60D' .09' D46.54=.6' 73' #7C0' .7' ;0' ;A59.' 8.' .20' 68C0' .4C0' 38"60"@ 8==A649B' .20' 2546.4896' 86' .20' 49=09D485406' 89D' .246' =54C0' ;049B' 4C:A.0D' .7' .20C' B8?0' 5460' .7' .20' 3456.' :0560=A.479# C79B' .20' <75F6' <24=2' 20' =8A60D' .7' ;0' =796.5A=.0D' 49' #7C0' 83.05' .246' 27554;"0' =79G 3"8B58.479' <86' 8' :8"8=0' 375' 24C60"3' =8""0D' .20' ' 79' <24=2' 20' "8?4620D' :57D4B47A6' 0I:09606# 089<24"0' 20' 8CA60D' 24C6D3':A;"4="@ 49' =79.06.49B' 375' .20' :54\0' <4.2' CA64=4896' <4.2' 8=.756' 89D' <4.2' =28547.0056' 73' .20' =45=A6' ;7.2' 49' .8"@' 89D' 49' &500=0# 9' 67=48"' "430' 20' B8?0' 24CG 60"3' A:.' 7' 6A02' 0I=06606' 73' =5A0".@' 89D' 4938C@' .28.' 246' 98C0' 83.05<85D6' ;0=8C0' 6@979@C7A6' <4.2' .28.' 73' C796.05' 89D' 73' .@589.# .' "09B.2' 246' D0.06.8;"0' =79DA=.' 28?49B' 509D050D' 24C' 89' 7;0=.' 73' A94?0568" 0I0=58.479' .20' &8""4=' 89D' :8946Z' :57?49=06' 50?7".0D' 49' # &8";8' <86' :57="84C0D' C:0575' .20' 098.0' =79345C49B' .20' 0"0=.479' D0="850D' 057' 090C@' 73' .20' #0:A;"4=

' * 1 &# # *

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* 1 # # '$ ' 75

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89A8"* 1 ??"# >#: ' >aH*

* 1 00 $! *!' !" .'

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A60AC 8.' 40998 ' ;A.' 47990.' D70S 97.'

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&# 1 A598C0 73 .20 C :0575

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&# * 1 246 98C0 8==7C :8940D

;@ 8 @7A.23A" 58D48.0D 208D 8 :0856 79 =05.849

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73 .20 7 ('46 83A9058" : 0

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6ACC4.# 20 .@ :0 73 .20

' ') ' M<24=2 850

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+ * 1 7.2 =F20" 89D 47990.' SA7.0

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* 1 20 54?05 :05679430D 50=AC;09. '

27"D49B 49 246 54B2.' 289D .20 =7CA=7:460 49 246

"03.' 8 500D ' 67C0.4C06 <4.2 8 30C8"0 34BA50 49

.20 6.7"8 6.89D49B 8.' 246 300. ' ;0"7< 24C 8

=57=7D4"0* 1 9 "85B0 ;5866 73 # A50"4A6 M6.5A=F

49 B@:.N ' <4.27A.' "0B09D*

* * 1 20 4"0 "@49B D7<9 ' <4.2'

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8.' 246 300. ' 2=57=7D4"0 20"7<# 9 7.205 =7496 8

=24"D 46 608.0D 79 .20 24::7:7.8CA6 60?058"

=24"D509 8"67 850 04.205 6.89D49B 57A9D .20 7"D

"79BE;085D0D C89 75 850 =500:49B 7?05 246

;7D@* 1 9 3456.' 89D 60=79D ;5866 73 .20 68C0

C :0575 M 8D5489N*

20 8;7?0 =7496 6.5A=F DA549B .20 504B9 73

8D5489 28?0 5030509=0 .7 9.497A6 <27 <86

D57<90D <24"6.' 98?4B8.49B .246 4""A6.547A6 54?05#

1 09=0 M86 =F20" 7;605?06 N 79 .206 0 C76.'

0"0B89.' C0D8"6 <0 28?0 .20 4"0 :7A5.58@0D

<4.2 8"" 246 8..54;A.06 .20 500D .20 +

M<27 28D .<7 98.A506 86 49D4=8.0D ;@ 205

<7C89L6 ;A6.' 89D "479L6 ;7D@N .20

89D .20 24::7:7.8CA6 M8C:24;47A6 894C8"6N 89D

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=7496 73 "0189D548 <24=2 :50609.' 8 64C4"85

:05679434=8.479 73 .20 54?05 49 .20 68C0 50=ACG

;09.' :76.A50*

' ' <86=7964D050D 89D 8D750D 86 8 B7D ;@

.20 B@:.4896 8C79B 7.205 5086796 86 :7660666G

49B .20 :57:05.@ 73 6:508D49B 4.6 <8.056 89D 73

[*1 *

' ' .7' 796.89.4A6' 8I4C4AA6' 0?05A6' 89D' 8I4C489A6' 86' <0' :05=045O';@'.2045'C0D8"6 M 4C85D' 89D' K7;05.' ?74# 4# > N* 1 20' 6.@"O' 73' 9 7==A56' 79' C:0548"# =7496' 357C' 050994A6' ' > a' .7' KA"489A6' * ' H[[*1 7CO' <7CO9' 8"67' <050' 49' "4FO' C89905 D46.49B 94620D 1 375' 0I8C:"O') ' !

('4C8BO' 73' (46D7C* 1 00' 1&) 3';7.2' 86' 8' :54?4"0BO' 89D' 86' 8' SA8"4.@' <86' 8"<8@6 20"D' 49' .20' 24B206.' =7964D058.479' <4.2'.20' #7C896# 2760' <050' =8""0D' 7;"06 <;7'=79"D'620<' 8' "79B' 605406' 73' 89=06.58"'75# .584.6# 75' 49' .20' .4C06' <209' .20' #0:A;"4=' <86'3500'.20'- ' '75'54B2.'73'4C8B06' <86' ;A.' 897.205' .05C' .7' 0I:5066' .20' 54B2.' 73' 7;"4.@' 89D' .20' 790' 46' 73.09' A60D' 375' .20' 7.205# 2A6' 4.' <86' 97.' .20' 8=45=A586.89=0' 73' ;45.2' <24=2' =7930550D' 97;4"4.@' ;A.' .20' :A;"4=' 7334=06' <24=2' 09.4."49B' .2045' :766066756' .7' .20' 54B2.' 73' 4C8B06' =7960SA09."@' 5053D05=D' .20C' 97;"0# .' 3456.' 979O' <050' 80=7A93 D' 7;"06 ;A.' .20' 8.54=4896' .20@' 8"790' ;049B' 49?06.0D' <4.2' 3A9=.479 6' .28.' B8?O' 97;4"4.@# 3.05<85D6' 27<0?05'.20'8::0""8.479' 73') '<86'0I.09D0D' .7' .2760' <27' <4.27A.' ;0"79B49B' .7' .20' C050' 89=409.' 38C4"406' 73' #7CO' =7A"D' :749.' .7' .;045 89=06.756' 75' .20C60"?06' 86' 28?49B' 7==A:40D' .20' =2845' 89D' 3A"34""0D' .20' 734=0' 73' 8' A58"O' 8B46G .58.0*1) '46' :056794340D' 79' C0D8"6' 73' 7CC7DA6' &0.8' "8B8;8"A6' 24"4:' .20' 0"D05' 89D' 0.54=A6' .20' 0"D05*

74' 4 1 '<7C89' ="7.20D' 49' .20' 6.7"8' 6.89D49B' <4.2' .20' 286.8' :A58' 49' 2D3' 54B2.' 289D' 89D' .20' :8""8D4AC' 49' 205' "03.# 9' B7"D' 64"?05' 89D' 3456.';5866' 73' 7CC7DA6* 1' 9' .246' =749' 8' D0B09058.0' C:0575';786.6' .7' 246' 7<9' 628CO' 73' 246' 7<9' 97;4"4.@# .' <7A"D' 8::085'.28.' 8".27AB2' #7C89' 506:0=.' 375' .20' 97;D4.@' 73' 38C4"406' <86' 357C' .;0'085"406.' D8.0' 73' .;044' 246.75@' 49.4C8.0"@' 8667=48.0D' <4.2' .2045' :8.547.46C' @0.' .20' .@:0' 73') '86' 8' ?45.A0' D706' 97.' 7==A5' 79' =7496' 73' .20' 0C:450' ;03750' .20' 504B9' 73' 7CC7DA6# 46' 0I8C:"O' <86' 27<0?05' 37""7<0D' ;@' 60?058"' 73' 246' 6A=G =066756# 20' 34BA50' <4.2' ?8540.406' 46' 6009' :549=4:8""@' 79' =7496' 6.5A=F' 49' 2797A5' 73' .2760' @7A9B' C:0548"# 20456' .7' ?5347C' <86' 6A;G 60SA09."@' B4?09' .20' .4."0' 73') ' '

1 ' 30C8"0' 34BA50' 6.89D49B' <4.2' 8' "89=0' 49' 790' 289D' 89D' .20' :8""8D4AC' 49' .20' 7.205# 246' .@:0' 79' 8' 64"?05' C0D8"# 73' &0.8' 49D4=8.06' ;@' .20' 8..54;A.0'73'.20'6:085'89D' .20' 4C8B0' 73' 4905?8' .20'.<7'C0896' M?8"7A5' 49' <85' <46D7C' 49' =7A9=4" N ;@' <24=2' 97;4"4.@' <86' 75' 7AB2.' .7' ;0' 8=SA450D 1' 7CC7DA6' .20' D06=09D6 89.' 73' C:05756' C4B2.' 54B2."@' "8@' ="84C' .7' .20' 24B206.' D46.49=.4796' 73# 2050D4.85@' 589F' .27AB2' 20' D46B58=0D' 246' 4""A6.547A6' ;45.2' ;@' 0?05@' ?4=0' ;3.' .20' 97;4"4.@' 73' &0.8L6' 38.205' <86'.28.'73'8' ' .20' 3456.' B508.' C89' 73' 246' 38C4"@' 89D' .20503750' 97.' 34.' C8..05' 375' 60"3' B"75434=8.479' 79' .20' :85.' 73' 8' @799B05' 679*

' ! ' 20' :57:05' 98C06' 73' .20' #7C896* 1 4=057' .2A6' D034906' .20' <75D' ':' 4.'46' 68@6' 20' o ' 0 '+ ' '0 ' '0 0 '+ + ' ') ' ++ ' C79B6.'.20' #7C896' .2050' <050' ' 89D'$ ' 20' "8..05' 86' 8' 6:0=406' <050' =7C:50209D0D' A9D05' .;0' 375C05# 20' 75'58=0' <86' C8D0' A:' 73' C89@' 38C4206' 75' ;589=206# 2A6'.20' ' 1 ' 28D' 375'4.6' 38C4"406' .20' "8647906' 0.20B4' 7"8;0 r' 0A.A"4' =4:47906' =# (24"6.'.20' &500F6' 8664B90D' .7' 08=2' 49D4?4DA8"' ;A.' 790' 98C0' .20' #7C896' <27' 8""7<0D' 79"@' 790' 98C0' .7' .2045' 6"8?06' B8?0' 08=2' =4.4\09' .2500' 89D' 0?09' 37A5' 06:0=48""@' <209' 20' <86' 8D7:.0D' ?4*' :5m97C0A' 97C09' 89D' =7B97C09 1 86' #) ' ' F + ' 20' :5r97C09' 605?0D' .7' D46.49BA462' 08=2' :0567G' 6A=2' 86'.28.'73' #) :' .20' D064B98.0D' .20' 58=0' <209=0' 20' 6:589B' 6A=2' 86' .28.' 73' ' :' 89D' .20' 6A598C0' C85F0D' .20' 38C4"@' .7' <2402' 20' 4CC0D48.0"@' ;0"79B0D' 6A=2' 86'.28.'73' F + ' 7' .2060' 67C0.4C06' <86' 8DD0D' 8' 37A5.2' =8""0D' ' <24=2' <86' B4?09' 04.205' 79' 8==7A9.' 73' 8D7:.479' 75' 4A' 50<85D' 73' 67CO' B508.' 0I:"74.' 89D' 0?09' 375' 67CO' :056798" D030=.' 75' :0=A"4854.@# 2A6' 79' A;"4A6' 7590"4A6' =4:47' 375' 246' =79SA06.6' 89D' 605?4=06' .7' .20' 50:A;"4=' <86' =7930550D' .20' ' 75' 8DD4.4798" 8::0""8.4?0' 73' $ ' 9' 89=409.' B58CC85489' <2760' 8A.2754.@' =F20"' SA7.06' 357C' 4B794A6' .2A6' 6A==49=."@' D034906' .20' 8::0""8.4?0' <7 D6';@' <24=2' .20' 208D6' 73' #7C89' 38C4"406' <050' D46.49BA4620D' 89D' <24=2' <050' 73' 37A5' F49D6 1 ?4*' .20' # ' <24=2' <86' :5034I0D' .7' C85F' .20' D4330509=0' 49' .20' 89=06.58"' 98C0' " ' ' .20' ' <24=2' <86' D064B90D' .7' 620<' .20' 754B49' 73' .20' ' 75'58=0' /.20' ' ' 6A;7490D' .7' .20 89=06.58"' 98C06' /89D' .20' ' <24=2' <86' 89' 0I.54964=' D064B98.479' =796.89."@' 8DD0D' 375' 67CO' :85.4=A"85' 508679' 75' 79' 8==7A9.' 73' 67CO' :A;"4=' 49=4D09.# 8"054A6' 0I:506606' 24C60"3' 73' 8' 64C4"85' 7:49479' 79' .2060' :749.6* 1 @' 67CO' <54.056' 0?09' .20' ' <86' 50=7B9460D' 86' .20' ' 75' 6A598C0# T' 3' .246' 89' 018C:"0 U' 7;605?06' =F20"' T' 46' 3A594620D' .7' A6' 49' .20' =860' 73' # 8":A594A6' 467' ! ';@' 4=057' <27' 8D6.49=."@' :749.6' .7' 89D' =7CC09.6' 79' ! ' 86' .20' 6A5G 98C0' 73' ' + ' # 1 00' # ' ' '3' ' # :# [*1 00' 8"67' ' .' 286' ;009' 50C85F0D' .28.' DA549B' .20' 0I46.G 09=0' 73' .20' #0:A;"4=' 4.' <86' .20' 60DA"7A6' =850' 73' .20' #7C896' .7' :50605?0' 89D' 289D' D7<9' .2045' ' 75' 98C0' <24=2' =8C0' .7' .20C' ;@' D06=09.' 357C' .2045' 89=06.756# 20' 0"D06.' 679' A6A8""@' .77F' .20' :57:05' 98C0' 73' 246' 38.205' 86' 49' .20' "8AD48' 8;48' 89D' 7590"48' 38C4"406# (4.2' 506:0=.' .7' .20' @7A9B05' 6796' .20@' 4.' 8::0856' 866ACOD' 49D4330509."@' 7.205' 98C06# A.' A9D05' .20' C:0548"# &7?059C09.' 73' #7CO' .20' :07:"0' B58DA8""@' 50"810D' 49' 8..09.479' .7' .246' 5A"0 * .4""' 8.' "09B.2' <209' .20' C:0575' 858=8' 8' C8DO' 4.' 8' "8<' .7' ;06.7<' .20' 98CO' 73' 4.4\09' 49D46G =54C498.0"@' 79' 8""' .20' 6A;0=.6' 73' .20' #7C89' 0C:450' .20' 89=409.' =A6.7C' <4.2' 50B85D' .7' 98C06' <86' 09.450"@' 375B7..09' 89D' 0?05@790' =8""0D' 24CG 60"3' <28.' 20' :"0860D*

[' # *1 * *

6"479"D ;085 .20 98C0 73 8C0549B# 20 D09854 73 .24B 38C4"@ ;085 <4.90BB .7 .20 8"0B0D 38=. .28. .20 8; 489 58=0 900D .20 + & 73 AC054AB 89D 0I :506B0D 4. 87"0"@ ;@ .20 "0..05 *' 86 # " 4# :4= # 3' ! 1 4B794AB 27<0?05 6.8.06 .28. .<7 7.205 89=409. 89D :8.54=489 38C4"406 89D / : 8"67 960D .20 6A598C0 73 8 :85. 73 354=8 ;0.<009 8950.8948 .0685409646 89D .20 85.28B49489 50B479 <2760 4928 ;4.89.6 <050 =8""0D AC4D60 ;@ .20 #7C896# 1 K9B95.28 49B 73 AC4D48 <8B0D 8 "79B 89D ;"77D@ <85 8B8496. .20 #7C89 50:A;"4=# <4=0 6A; DA0D ;@ .20 796A" %A49.A6 0.0 @6 20 8B849 .77F A.: 85C6 8B8496. .20 :7<05 73 #7C0 ;A. .27AB2 8. 3456. 7==864798""@ 6A==066G 3A" 20 <86 3498""@ ?89SA4620D ;@ 854A6 <4.2 7==2A6 49B 73 8A54.8948 <27C 20 28D D58<9 7?05 .7 246 :85.@# 28. .584.75 ;0.58@0D 24C .7 85486 <27 =79?0@0D 24C .7 #7C0 D58BB0D 24C 49 .20 .5849 73 246 .54AC :28" :57=066479 89D =8A60D 24C .7 :0546 49 :54679 AC4D48 49 .20 @085 73 #7C0 ;0=8C0 8 :57?49=0 73 .20 50:A;"4= 89D 83.05 .20 D08.2 73 "0 :4DA6 <86 =0D0D .7 ABA6.A6* 1 75 .20 F49B6 73 AC4D48 79 #7C89 =7496 60 -)

8 :"0;0489 38C4"@ 86 8::0856 357C 4.6 28?49B 344C4620D .7 .20 50:A;"4= .54;A906 73 .20 :07:"0 ;A. 4. <86 8"67 8 38C4"@ 73 .20 B508.06. 89.4SA4.@ 89D 600C6 .7 28?0 5030550D 375 4.6 754B49 .7 AC4.75 ;57.205 73 A50"4A6 B589D38.205 73 #7CA"A6 89D #0CA6* 1 2050 850 3420 ?8540.406# 4"?05 ?05@ 5850# 20 ;5866 <24=2 850 07CC79 375C :85.6 73 .20 8*1 D09854A6 73 .246 38C4"@ 286 79 790 64D0 .20 <49B0D 208D 73 8""86 89D $ [79 *.20 7.205 =# ! !' 8 C89 49 8?.54AC :28" SA8D54B8 =57<90D ;@ 8 34@49B ?4=.75@*

8 38C4"@ 73 ;A. "4.."0 =0"0;54.@ 49 #7C89 84C8"6# (20.205 4. <8 :"0;0489 75 :8.54=489 46 IC=05.849* 1 .6 6A598C0 79 =7496 46 8 75 *1 0"0A6 8""AD06 .7 AC794A6 8"8 =27 ;860"@ D0605.0D 85A6 49 &05C89@ 89D 758=0 <54.06 89 0:46."0 .7 AC794A6 8"8 M 4;# 4# , [N*1 2050 850 .2500 ?8540.406# 7.2 .20 B7"D 89D 64"?05 =7496 73 .246 38C4"@ 850 0I.50C0"@ 5850 73 .20 "8..05 67C0 <050 506.750D ;@ 58 89 89D .2060 850 73 .20 24B206. D0B500 73 5854.@*

90 73 .20 B7"D C0D8"6 ;0856 79 4.6 50?0560 .20 98C0 73 ! ! 89D 375 4.6 .@:0 8 67"D405 8..8=F49B .20 58C:85. 73 8=8C: <24=2 .<7 7.2056 4964D0 850 D0309D49B# 20 68C0 .@:0 7==A56 49 64"?05 73 <24=2 89 0I8C:"0 46 2050 B4?09*

T 57C .246 U 68@6 =F20" T <0"0859 <28. ;064D06 46 8..06.0D ;@ 89=409. <54.056 .28. 8 =05.849 # AC794A6 B8490D 5097<9 ;@ 8668A".? 49B 89 090C@L6 09.509=2C09. " %9 89D C7507?05 .28. 79 8==7A9. 73 6A=2 0I:"74. .20 6A598C0 73 <86 =7930550D 79 24C <24=2 289D0D D7<9 86 A6A8"' 46 49 .246 496.89=0 C8D0 C8..05 73 ;786. ;@ 790 73 ;46 D06=09D89.6 <27 :"8=06 .20 4C8B0 73 246 D46.49BA4620D 89=06.75 79 .246 =749*1 375 ! 46 89 85=2846C 86 79 =7496 73 @ 8<0 508D % 0!6 375 # 0!6 / 9 85=2846C .D67"08?06 7A. 89 # 2A6 #!0!% 375 444::?6 49 .20 85=48 38C4"@*1 9 .20 8;7?0 D09854A6 @7A 28?0 8"67 8 50:50609.8.479 73 .20 375C 73 .20 #7C89 9I

75 ; .20 98C0 ;@ <24=2 .20 #7C896 D097.0D 8 =7490D :40=0 73 C0.8"# 20 <75D 600C6 .7# ;0 D054?0D 357C .20 &500F 3)K 8".27AB2 8C79B .20 &500F6 .20 <75D) <86 C750 49 A60 <209=0 .20 8.496 <57.0 <24=2 64B94306 <28. M357C .20 509=2 %# <0 =8# C790@1 98C0"@ :40=06 73 C0.8"# ;08549B .20 44::5066 73 D4340509. 64B96 49D4=8.4?0 73 .2045 <04B2. 89D ?8"A0 <24=2 375 .20 :A;"4= 8==7CC7D8.479 89D ;09034. 850 75D84900D ;@ "8<.7 =45=A"8.0 49 0I=289B0 375 .20 90=06685406 89D .20 AIA5406 73 "430 89D .7 38=4"4.8.0 .20 7.205<460 .77 D4334=A".? C0896 S =79DA=.49B =7CC05=48# .58968=.4796 ;A. .20 "4;05.@ 73 38;54=8.49B <24=2 <86 D0940D .7 :54?8.0 49D4?4DA8"6*

) $$ *1 #7C89 =7496 67 =8""0D 357C .2045 ;08549B .20 50:50609.8.479 73 =856 D58<9 ;@ .<7 275606*

) "8.0D =7496*1 246 98C0 <86 B4?09 .7 8 6:0=406 73 358ADA"09. =7498B0 :58=.460D ;@ .20 89=409.6 <24=2 =79646.0D 49 =7?0549B <4.2 "08?06 73 B7"D 75 73 64"?05 :40=06 73 C0.334 73 49305475 @8"A0*

+) $ C0D8F 67 D097C498.0D 75 ;86F0. <4.2 8 605:09. 466A49B 357C 75 =74"0D 57A9D 4. 8""A64?0 .:.20 <75624: 73 8==2A6 1 00 1 +T

1 00 $$ 7A9.05C85F0D =7496# 1 AC0.796 496.89=06 73 C0D8"6 6.8C:0D <4.2 67C0 :85.4=A"85 C85F 7==A5 49 .20 89=409. C49.6 73 4 06:0=48""@ .2760 73 F49B6 89D =4.406# 7496 6.5A=F <4.2 8 64C4"85 =7A9.0564B9 850 .7 ;0 37A9D 49 .;0 F C:0548# 605406 A9D05 "8AD4A6 89D 8"67 A9D05 06:86489

$ *1 20 8.49 <75D- D054?0D 357C $ 8 ;4. 8 357BC09. 46 8::"40D ;@ 9AC46C8.4= 89.4SA85406 .7 8 C0D8"# <24=2 46 67 CA=2 D038=0D .28. 4.6 496=54:.479 46 4""0B4;"0*1 20 509=2 =8"# 4.

*1 9=860 C0D8"6 850 .2760 <24=2 850 6.8C:0D 79"@ 79 790 64D0 89D <24=2 50:50609. .20 68C0 37p 79 ;7.2 64D06 790 49 50"403 89D .20 7.205 27""7<# * 20 :57=066 <86 0C:"7@0D ;@ 67C0 D.406 73 8B98 &90=48 49 6.54F49B .2045 64"?05 C790@# A. .20@ CA6. 97. ;0 =7937A9D0D <4.2 .2760 <24=2 850 49=A60 .257AB2 .20 90B"0=. 75 :85.4=4:8.479 73 .20 C790@056 89D <24=2 850 37A9D 86 <0"# 8C79B .20 796A"85 =7496 86 8C79B .20 ;5866 89D 64"?05 73 .20 C:0548# 605406*

' + 1 20' 68C0' 86') ' 1 00'2D7<*

' 0 1 7' =8""0D' 357C' .20' 0 ' 75' =28547.6' <4.2' 37A5' 275606' <24=2' 375C' .20' .@:0' 7'3' .2045' 50?05606*

' 1 ' 98C0' B4?09' .7' .20' C76.' 89=409.' :40=06' 73' .2D' #7C89' C42. ' <24=2' ;085' 79' .20' 50?0560' 8' B8""0@ " 7' 75' 58.205' .20' 576.5AC' 75' ;08F' 7'3' 8' " 0@*

' #06.750D' C0D8"6* 1 2060' 850' :40=06' ;7.2' 796A"85' 89D' C:0548"' 79' <24=2' ;064D06' .2k' .@:0' 89D' "0B09D' <24=2' ;0"79B0D' .7' .2045' 754B498"' 30;54=' 0I24;4.' .20' 98C0' 73' .20' C:0575' ;@' <2760' 75D05' .20@' <050E6.C=F' 8' 60=79D' .4C0* 1 00' 3 &

' 1 @' .246' .05C' 850' D46.49BA4620D' =05.849' &500F' 89D' #7C89' C0D8"6' 73' <24=2' .20' 54C' 46' 49D09.0D' 75' B8594620D' <4.2' .00.2* 1' A.2756' 28?0' =79 0=.A50D' ?8547A6' 5086796' 375' .246' :57=066' 28?49B' ;009' 8D7:.0D' 49' .20' C49.6' 73' 89.4SA4.@' ;A.' 9790' <24=2' 8:;085' .7' 67""?0' .20' C@6.05@* 1 =F20"' 46' 73' 7:49479' .28.' .20' 085"406.' 73' .2060' = ' = ' M86' .20' 509=2' =8""' .20CN' C7A9.' .7' 86' 50C7.0' 8' D8.0' 86' .20' @085' 73' #7C0' [" 9D05' .20' C:05756' 9790' 73' .2060' 60558.0D' =7496' 850' 37A9D' ;A.' .20@' 350G SA09."@' 7==A5' 8C79B6.' .20' 7967"85' C0D8"6*

') ' 97.205' .05C' 375' :"8.0D' =7496* 1 #49F' M49' 246' <75F' . ' ' %' D06=54;06' .246' 6:0=406' 73' C790@' 49' .20' 37""7<49B' .05C6/1T .' 627A"D' ;0' 4CD056.77D' .28.' .20' ') ' 46' 8' ;5866' M75' =7::05N' =749' <24=2' 286' ;009' 7?05"84D' <4.2' 8' =78.49B' 73' 64"?05' 49' 6A=2' 8' C89905' .28.' .20'64"?05=89'0864"@' ;0' 50G C7?0D' 357C' .20' ;5866' ;@' C050"@"7760949B' 4.' 8.' .20' 0DBO*U

P' 1 2060' 850' <28.' .20' 509=2' =8""' = ' = ' 98C0F' 6.5A=F' 79'=7::05' 89D' 83.05<85D6'=7?050D' <4.2' 8' "083' 73' .C 1' 9AC;056' 73' <24=2' 850' 37A9D' 8C79B6.' .2760' 6.5A=F' 49' .20' D0="4949B' :0547D6' 73' .20' 0C:450*

' 1 9' .20' ' 796A"85' =7496' .20' 34BA50' 73' 4=.75@' 49' 8') ' 75' 8' 0 ' 46' 350SA09."@' 6009' ' 89D' 209=0' .246' F49D' 73' C790@' .77F' .20' 98C0' 73'

' 8 1 00' ' 75' o[' 8"67' 7 ' p

' + ' ' ' M68@6' 84""89.N' '+ ' ' ' ') '

' 1 7496' 850' C750' DA58;"0' .289' C85;"0' 89D' C750' 8==A58.0' .289' 89=409.' C79AC C09.6" 75' M20' 8DD6N' .20@' <050' 6.5A=F' ;@' 8A.2754.@' 73' C8B46.58.06' 83.05' C8.A50' D0"4;058G .479' ' .20503750' 8""' .249B6' 506:0=.49B' .20C' CA6.' 28?0' ;009' =8503A""@' <04B20D' 509D050D' ="085' 89D' :056:4=A7A6' 89D' 3500D' 3457C' 7;6=A54.@' 89D' D7A;." 20' 68C0' <54.05' 8DC4.6' 27<0?05' .28.' 49' 67C0' =8606' C0D8"6' 850' 73' "066' ?8"A0' .289' C79AC09.6*

0 1 @' .246' <75D' 960D' 6A;G 6.89.4?0"@' .20' 509=2' D064B98.0' .28.' 6=409=0' <24=2' 286' 375' 4.6' 7;0=.' .20' 6.AD@' 73' C0D8"6' :549=4:8""@' .2760' 6.5A=F' ;@' .20' 89=409.' &500F6' 89D' ;@' .20' 89=409.' #7C896* 1 00'

1 09949' 49' .20' 49.57DA=.479' .7' T 246' 89A8"U' 7;605?06' .28.' .20' <75D' 286' ;009' 375' 67C0' @0856' 50:"8=0D' ;@

.28.' 73' ' <24=2' 46' 97<' 8D7:.0D' .7' 64B943@' 8' :05679' <27' 6.AD406' 0I:"8496' 89D' =7""0=.6' 89.4SA0' =7496' 89D' C0D8"6' 49' 6275.' <27' =A".4?8.06' .20' ' 75' '

+ 1 20' 89=409.6' <050' 8==A6.7C0D' .7' :"8=0' A9D05' .20' ;57.0=.479' 73' ;049B6' <27C' .20@' =8 0D' 3 + .2760' :57DA=.4796' 73' 98.A50' <24=2' 86' 49' .20' ?0B0.8;"0' <75"D' 600C' .7' :766006' =05.849' 8..54;A.06' 73' "430" 04.205' B7DD0660' 975' C75.8"6' ;A.' :85.8F49B' .7' 8' D0B500' 73' .20' SA8"4.@' 73' ;7.2' .20@' "4?0D' 8' "79B' .4C0' 375') ' <86' .2045' 377D' ;A.' .;005' "430' 8.' "09B.2' @40"D0D' .7' .20' 38.8" 810' 73' .20' <77DC89' 75' .7' .20' 6=466756' 73' .20' 4901758;"0' 8.06*

20' 3 + ' 73' #7C89' 38;"0' <050' 73' D4?056' F49D6" 75' 67C0' 73' .20C' :5064D0D' 7?05' C799E' .8496' 7.2056' 7?05' 37A9.8496' 89D' 340"D6' <24"6.' 7.2056' 8B849' 37A9D' .2045' 0"0C09.' 49' .20' 608' 89D' 7.205' :"8=06* 1 7C0' <54.056' 8:;085' .7' 50B85D' .20C' 49' 97' 7.205"4B2.' .289' 86' =0"0;58.0D' <7C09' 73' .20' C76.' 50C7.0' 89.4SA4.@" 75' 0I8C:"0' ' .20' 37C4"485' 6:454.' 73' 7C8' ' .20' 9A560' 73' #7CA"A6' ' # ' .20' 646.05' 73' 4D7' # ' 46' 684D' .7' 28?0' ;009' 8' C76.' 97.0D' =7A5.0\89* 1 BA506' 73' 3 + ' 850' 73.09' 37A9D' 79' #7C89' C79AC09.6' 89D' ?8606' .20@' 8"67' 8:;085' 79' 8' 30<' &500F' C:0548" 89D' 7"7948" =7496" A.' .20' 79"@' =7496' <24=2' :50609.' .20C' 86' 8' .@:0' 850' .28.' D09854A6' 73' .20' 38C4"@' 79' <24=2' .20' 646.056' 73' 280.79' 8:;085' 86' =289B0D' 49.7' "85=2' .5006' 89D' .20' ;579\0' C0D8""479' 73' 9.794986' 496' .<24=2' 0I24;4.6' .<7' 3 + ' 73' .20' ; + 6.89D49B' ="760' .7' 8' .500' ;856 49B' 8::"06' 57A9D' .20' .5A ' 73' <24=2' 8' 605:09.' 46' 09.<490D* 1 00' ;

" 7A5.009.2' "0..05' 73' .20' 8.{9' 8":28;0.* " 8' B"7;A"0' 75' =45="0' 46' B09058""@ 8==0:.0D' 86' D097.49B' .20' 86' .20' 64B9' 73' <04B2.' 89D' ?8"A0 1 ?!*' 7' :' .209=0' 7777' :' 777' 0 :'

" 89D' " <050' A60D' :57C46=A7A6"@' ;@' .20' C750' 89=409.' #7C896* 1 2A6' 49' .20' 38AD48' 38C4"@" ' 89D' 4' 49' "4F0' C89905' .' .20' "89.{8' 38C4"@' 89D' 8::085' 79' =796A"85' D09854" @' .20' 68C0' =A6.7C' .20' 376.05E38.205' 73' %94549A6' M#7CA"A6N' <2760' 98C0' 8C79B' 8.49' <54.056' 6:0"." # ' 46' 496=54;0D' . ' 79' .20' D09854A6' 73' .20' 7C:048'3898*"@*

" <86' 73.09' 6A;6.4.A.0D' ;@' .20' 89=409.' 8.496' 375' * 1 3' .246' <0' 28?0' 0I8C:"06' 49' .20' <75D6' ' 496.08D' 73' 7@: 6' <?76' 375' 4 ' ' % ' 375' 4 % ' =* *' 46' 8D 7490D' 67C0.4C06' .7' * 375C49B' .20' D4:2.279B' *' 49' :"8=0' 73' .20' 649B"0"0..05' " 2A6' 79' 35A94"@' D09854" ,# 0 ! ' 46' <54..09' 49' .20' 577C' 73' ! # $! ' 75' :7?95?6' 375' !

" 246' "0..05' ;@' 4. 0"3' 64B94340'6 1) ' 79' 8==7A9.' 7'3' 75' $$ 7334=0' 73' .20' C49.' 75' 1 ' .20' 98C0' 73' 8' C89' 75' + ' 89' 0:4.20.' 73.09' B4?09' .7' DA:4.05*

#7C89 0C:450 49 .20 86.# (209 8"05489 ;0=8C0 .20 =8:.4?0 73 8:75 D098.296 .77F .20 056489 &09058"6 :54679056 89D =7CC89D0D 24C60"3 .7 20 6.@"0D 49 .20 3456.: "8=0 49B 89D .209 C:0575 0 C85540D .20 38C7A6 n097;48 %A009 73 8"C@58 89D D40D *6# > *

T 20 =7496 73 D098.;A6 M68@6 =F20"N 850 F97<9 79"@ .7 &7".6496 89D 43 89@ 790 <4 :A. 384.2 49 .2045 0146.09=0 "0. 24C B7 .7 .20 37A9.849 208D ' ' &7".\4A6N* 1 ==75D49B .7 50;0""496 &8""409A6 =8A60D 2 =749 .7 ;0 6.5A=F 49 2797A5 73 D0A8.2A6 79 <24=2 20 <86 50G :50609.0D "08D49B .20 0564896 =8:.4?0 ;A. 2 =749 73 .246 F49D 286 C0. 86 @0. 97 790L6 0@0 1 97.0?09 .28. 73 &7".\4A6*U

1 75 1 8 C854.4C0 =4.@ 73 354=8 64.A8.0 79 .20 05.4=0 89D 8==75D49B .7 "49@ M *?*=* N 2 #7C89 =7"79@* 1 20 =4.@ 73 08 " 1 1 75 1 <86 790 73 .2500 <24=2 357C .2045 9AC;05 B8?0 .20 .4."0 .7 .20 354=89 54:7"46 8==75D49B .7 F SA7.0D ;@ 86=20 7 .246 =4.@ 84""89. 8..54;A.06 2 =749 73 9.7949A6 4A6 79 .20 7;?0560 73 <24=2 8:.085 .20 .4."06 89D :75.584. 73 .28. C:0575 89D 79 .20 50?0560 =* <24=2 20 286 509D050DX 1 M75 1 ! <4.2 .20 .A550.0D 258D 73 .20 4 A. 0""0549 ;@ .20 :57G DA=.479 73 8 ;0..05 :50605?0D ;A.018=."@64C4"85 C0D8" 286 620<9 4. .7 ;0""79B .7 8D5489L6 =7"79@ 73 ", 1 + MK05A68"0CN* 1 0""0549 8DD6 .28. 97 =7496 73 .20 =4.@ 73 08 <050 F97<9 49 246 .4C0**

1 75 1 * 1 A;"4= B8C06 75 =7C;8.6 73 67 =8""0D ;0=8A60 =7C:0.4.756 357C 0?05@ :85. 73 .20 <75"D <050 8""7<0D .7 09.05 .20"46.6 49 =79.58G D46.49=.479 .7 .20 , + <24=2 <050 79"@ :57?49=48" B8C06 ' + 9 =7"7948" =7496 73 0"47:7"46 49 C"7 @548 8C79B 7.205 0:4B58:26 8""A64?0 .7 .2060

46 790 73 8"0548996 609475 B4?09 ;@ 89D954 M * , > N " $ " " # " F + 1 ; + * 1 00 ; + + .5A=F 49 .20 .245D 7334=0 73 .20 C49. 73 796.89.49 ;"0*

1 $$ 2 C790.85@ <75F627: 75 C49.*(1 $$ 496:0=.756 73 .20 C49.*1 96=54:.479 79 89=409. C85;"06=7""0=.0D ;@ &C.05 89D 7.2056 28?0 :50605?0D .20 8:0""8.479 B4?09 .7 .20 506:0=.4?0 <75FC09 0CG :"7@0D 49 D4330509. 85.6 73 .20 =7498B0 C79B .2060 850 37A9D .20 37""7<49B D097C498.4796/1 " $$:' 0$:' F :' F ++ :' ! 20 "08590D 850 73 7:49479 .28. A9D05 .20 504B9 73 57;A6 75 .20508;7A.6 .2760 =4.406 73 .20 0C:450 <24=2 09 7@0D .20 54B2. 73 =7498B0 D064B98.0D .2045 98C06 89D .20 $$ 49 <24=2 .2045 C790@ <86 6.5A=F# 246 <86 D790

;@ =05.849 494.48# "0..056 89D 9AC058"6 86 <0"" &500F 86 8.49 09B58?0D 04,205 49 .20 340"D 73 .20 =749 75 79 .20 3 .246 675. 850 .20 37""7<49B/1

! 1 .5A=F 8. 9.47=2*

F 1 7490D 8. 9.47=2*

% # 0 ! F 1 7490D 8. SA4"048*

7.205<460 $ 1 + 1) 75 + 0$$ F ?7:6# ! 1 790@ =7490D 8. @796*

! 1" % 64D=:\# F ! $$ F + # F 175 # F $$ F # F F F $$

20 37""7<49B 496=54:.479 79 8 =749 73 89E 54=4A6 0D4.0D ;@ 89D954 89D 9=89B0 49 <24=2 .20 D0;8.0D 6@""8;"06 850 D58<9 7A.8. "09B.2 38?7A56 .20 8;7?0 49.05:50.8.4796 1 ?4*1! 7 ((4 1 2 " $$ 1 20 C790.85@ 734=06 850 350SA09."@50=75D0D 79 =7496 73 8"09.49489A6 * 86 <0"" 86 79 .2760 73 8"096 89D &58.489A6 .2A6 1 9# =*5 75 $ #$! $ " # 3. & 5%# 89D 9# BA"94A6;049B 50=75D0D 86) +) .08=2 A6 .28. .246 38C4"@ <86 :"0;0489# 20@ 28D .20 =7B97C09 73 4 1 4?0 ?8540.406 73 4.6 =7496 850 B4?09 49 750"" 790 73 <24=2 49 64"?05 ;0856 79 790 6AD0 8 9?094"0 208D "8A508.0D A9D05 4. 2 .2A9D05;7". 89D 79 .20 7.205 & 0 $ 4 1 20 2579\0 40=06 850 .20 5 75 67C. 73 4.6 :85.6*1 7496 73 .20 38C4"@ 0124;4. .20 68C0 98C0 89D =7B97C09 ;A. 97. .20 68C0 .@;06*

1) 89D 97. 1) 8==75D49B .7 84 89. SA7.49B .7"0C@ <86 8 =4.@ 73 8C:2@"48 <24=2 .0554.75@ ;75D056 79 4"4=48# .<86 8"67 8 #7C89 4.6 =7496 .06.43@;08549B .20 "0B09D =7 # 5?.# o$ <4.2 .20 0SA06.5489 34BA50 73 .20 &7D 9A96# .286 790 8A.797C7A6 =749 790 &500F C:0548"6.5A=F 49 2797A5 73 # A50"4A6 89D .<7 7"7948" C:0548 496=54;0D .7 KA"48 C68 89D &75D489A8 4A6*

1) 464D48 7"7948*1 20 8.49 C:0548" C0D8#) .7 .246 =7"79@ 46 37""7<49B 49 C4DD"0 ;5866 98C0"@ <4.2 .20 6.@"0 89D :756 .584. 73 &75D48996 496 79 .20 7;?0560 1 89D <4.2 =79# 79 .20 50?0560 89D .20 .@:0 73 8==2A6 6.89D49B 27"D49B J0" =85.20598 89D .2@5696/ 8"07:85D 6SA8..49B 8. 246 300.# 8. 47990 C85F6 4. T0) 1 .20 "4?0 73 <24=2 4905?8 46 M;@ 45B4"N 6.@"0D 20 49?09.5066 75 8==75D49B .7 ?4D " "4:*?4*?# N 8""86:57DA=0D 7A. 73 .20 085.2 .20 7"4?0 .500 DA549B 205 =79.06. <4.2 0:.A90 375 .20 :766066479 89D 98C0 73 .2096# 09=0 79 =7496 .246 B7DD066 286 205 20"C0. 8D7590D <4.2 89 7"4?0 ;589=2 86 68=50D .7 205 75 620 =855406 .20 68C0 49 205

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54B2.' 289D# 9D' <209' ' 20856' .246' 6@C;7"' 73' :08=0' 62D' 46' =8""0D' ! $:' 89' 0I8C:"0' 73' <24=2' 8::0""8.479' 89D' .@:0' 46' 37A9D' 79' 8' ;5866' =749' 73' ";4976# 4905?8' 46' 8"67' 6009' <4.2' 64C4"85' 8..54;A.06' 79' =7496' 73' 9.7G' 949A6' 7CC7D76' 76.ACA6' 89D' t.54=76' A9475

1 '6 *1 20' 7"4?0';589=2' 49' .20' 289D' 73' 08=0' 46' .7';0' 6009' 79' 9085"@' 8"" .20' C0D8"6' 73' .20' C:0548" 605406' 3457C' ABA6.86' .7' &8""409A6' 89D' 3A5.205' D7<9<85D6' .7' &8"# 8I4C489A6*1 20'68C0' 86' 8' 6@C;7"' 73' :08=0' 8::0856' 49' .20' 289D' 73' ' # $ ' 79' =7496' 73' 7CC7DA6' 0:.# 0?0576' 858=8""8' "0I# 0?0576' 8I4C489A6' *' &75D489A6' *' &8"246' 7"96489A6' *$C4"489A6' &8""409A6' 89D' 7.205' 0C:05756*1 20 ';589=2' 8::0856' 49' .20' 289D' 73' , + ' 86' .20' :506052"06' 73' :08=0' 79' =7496' 73' ABA6.A6' 4;054A6' 06:86489' 4.A6' 58 89' 7CC7DA6' 0:.# 0?0586' 8"E' ;49A6' A:409A6' 4 *C4"48A446' 47=?0.489' 89D' "8I4C489A6*

20' ';589=2' 8::0856' 79' D4?056' 73' .20' C:0548" C0D8"6' 49' .20' 289D' 73' ' ' 73' ! 3' 73' F 3' 73' # ' .' 46' .20' 6@C;7"' 73' 46:8948' 79' 8==7A9.' 73' .20' 8;A9D89=0' 73' 7"4?0' .5006' 49' .28.' =7A9.5@= 375' # "@C:4=7*1 00' % 45 89D' 8' .0C:"0' 79' 8' =749' 73' ABA6.A6* # ' " % ' D06=09D0D' 357C' .20' 89=409.' 38C4"@' 73' .20' 94=44' <27' 20"D' 8' 24B2' 6098.7548" 589F' C85540D' 9 ' >N' "8=4D48' D8AB2.05' 73' 8"09.49489' *' 89D' 73' AD7148*

20' C:0575' 07' 97C498.0D' 24C' 796A" ' 89D' 609.' 24C' 8B8496.' #4=4C05' <27' :57="84C0D' 24C' ABA6.A6' 49' >' 49' .20' :"8=0' 73' .20' C:0575' 9.20C4A6' <27C' #4=4C05' =8A60D' .7';0' 866866498.0D' "@;54A6' 46' D06=54;0D' 86' 8' C89' 73' D46.49BA4620D' C054.' 06.4C8;"0' 375' 246' C758"6' :40.@' 89D' :8.547.46C# ' B77D' B09058"' 2A.' 89' 8C24 47A6' 6A;0=.' 20' 28D' 97.' .20' .4C0' 8""7<0D' 24C' .7' :05375C' 89@' C0C758;"0' 8=.479' 86' 20' .05G' C498.0D' 246' D8@6' 49' .20' @085' 73' 246' 8==066479' :76606649B' .20' 0C:450' 79"@' .2500' C79.26' 357C' .20' D08.2' 73' 246' :50D0=06675# 46' D8AB2.05' KA"4898' C85540D' DA549B' .20' 504B9' 73' 986.8.4A6' .20' :8.54=489' 507;4AD96# 46' 6_@"0' 46' = 45# 2 99 / =74 5?6' = = 46'=7496';7.2' 49' B7"D' 89D' 64"?05' 850' ?05@' 5850*1 8A494' B4?06' 8' :40=0' 49' :8D' <4.2' 8' 50?0560' 64C4"85' .7' .28.' 79' .20' 8A50A6' 50:50609.0D' 8;7?0' 2A.' .20' 7;?0560' 20856' 3A""E38=0D' 208D6' 73' "@;54A6' 89D' "8=4D48* M75' 67C0.4C06' N' # & *1 ' 30C8"0' ?04"0D' 50:7649B' 79' 8' 54=2"@' 8D7590D' ;0D' 0I.09D6' 205' 54B2.' 289D' .7<85D6' 8' 605:09.' <24=2' 46' 508549B' 4.60"3' ;03750' 205*1 246' "0B09D' 89D' .@:0' 8::085' 79' 8' #7C89'

*1 # [

79.7C48.0' C0D8"' ;08549B' .20' 208D' 73' 057' 89D' 8==75D49B' .7' 8?05=8C:' .20' 50=AC;09.' 30C8"0' 46' 97' 7.205' .289' %A009' "@C:486' 20560"3' .20' 4.2"066' <430' 73' 24"4:' ' 49B' 73' 8=0Dd9' 89D' .20' =74A58B07A6' C7.205' 73' "0I89D05' .20' &508.# 3' .246' "8D@' 4.' 46' 50"8.0D' ;@ "A.85=2' 8C79B' 7.205' <54.056' .28.' ;0=7C49B' :50B989.' DC49B' .20' 8;609=0' 73' 24"4:' 620' 375' .20' :A5:760' 73' =79=08"49B' 205' 628C0' D0?460D' 8' 6.75@' 8;7A.' 205' 28?49B' 28D' 49.05=7A560' <4.2' @;489' K7?0' 75' KA:4.05' CC79' <27' 28D' 866AC0D' .20' 375C' 73' 8' 605:09.*

1 3 + ' 89' 7"@C:48D' .20' 6:8=0' 73' 37A5' @0856' 67C0.4C06' A60D' 86' 0SA4?8"09.' .7' .20' #7C89' ' <24=2' 49="AD0D' 34?0' @0856*

57C' .20' :0547D' <209' .20' &500F6' ;0B89' .7' 50=F79' D8.06' 73' .4C0' ;@ 7"@C:48D6' .20@' 09AC058.0D' .20C' 86' .20' 3456.' 75' 60=79D' 75' .245D' =*' 7"@C:48D*

1 3 + ' "@C:4=' 75' <28.' 46' 73' 75';0"79BG' 49B' .7' "@C:A6*E 8h 305' <86' =8""0D' 1 3 + ' 04.205' 3457C' 7A9.' "@C:A6' 49' 20668"@' .20' 50:A.0D' :"8=0' 73' 246' 0DA=8.479' 75' 357C' 208?09' 4.60"3' <24=2' .20' &500F6' D097C498.0D' "@C:A6' 89D' 49' <24=2' 20' <86' 684D' .7' 504B9*1 20' .4."0' 73' 1 3 + ' <86' 8"67' 8664B90D' .7' ; ' <27' 496.4.A.0D' .20' ' 3 + ' 89D' <79' 8.' .276C' B8C06' .20' ?4=.75@' 49' <506."49B*

1 3 + *1 246' 8::0""8.479' M68@6' =F20"' ?4# , N' :0=A"485"@' 8::57:548.0D' .7' .20' F49B' 73' 208.209' D4?494.406' <86' ;@ 89' 99A698# 6.50.=2' 73' 0?09' &50=489' 3"8..05@' 8664B90D' 49' =79A979' .7' .20' C:0575' 8D5489' 89D' .7' K7?0' 24C60"3' 86' 8::0856' 357C' 8' ?8540.@' 73' 496=54:.479' 6';7.2' 79' C85;"06' 89D' 79' =7496' 06:0=48""@' .209489# 20' =8A60' 75' :50.0I.' 375' 6' 8DA"8.479' <86' .20' 3494624 9B' 89D' D0D4=8.479';@ .20' 8;7?0' C:0575' 73' .20' B508.' .0C:"0' 73' "@C:489' KA:4.05' 8.' .2096# 7990=.0D' <4.2' .246' 38=.' <86' .20' 496.4.A.479' 73' B8C06' =8""0D';' 1 3 + ' ;@ ?8547A6' &500F' =4.406*1 246' 8::"4=8.479' 73' 8' =0"06.48" =7B97C09' .7' 8D5489' 349D6' 97' 0I8C:"0' 79' 89@ ' =7496' 89D' <0' 349D' 79' =79.7C48.0' =7496'. 0'0:4.20.' 73' 1 3 + ' D0B58D0D' 67' "7<' 86' .7' ;0' .20' D064B98.479' 73' 89' ' 75' 89' 8

1 3 + ' 1 3 + *1 2060'98C06'7==A5' 79' .20' 50?05606' 73' =79.7C48.06' .20' 7;?05606' 73' <24=2' ;085' .20' :75.584.' 73' 057# 20' .@:06' 850' 98F0D' C09' 6.89D49B' 49' SA8D54B80' 89D' .20' 98C06' 850' D7A;."066' .2760' 73' ?4=.7547A6' =28547.0056' 75' <506."056*

' # 1+ ' 1 # # # - ' 1+ ' *1 7.20' 98C0' 73' - + ' .20' .A.0"85@' 04.@' 73' #7C0' .2060' "0..056' 850' 8DD0D' 49' 50=7B94.479' 73' 246' B77D9066' 89D' 246' :7<05* # # 74 83WO ' 48' 4@48' # ' 097_# 9' 8' =749' 73' 057*

1 + *1 KA:4.05' 46' .2A6' =8""0D' 79' 2' =7"7948" =749' SA7.0D' ;@ 84""89.* # # # 1+ ' ' 1 ' MK7?4N' M.7' KA:4.05N' .20' ;06.' . 0' B508.06.' .20' .299D0505* # 75' # 75' # # # 73' #* 1+ '# + *1 7.20' ;06.' 73' 549=06# 9' 0:4.20.' B4?09' .7' 58 89*

C:0548"# 605406*1 00' % 0!"! [' & !6'[E & ' '"7?4' ' &'''

*# 75' # ' 54'_*1 M' $' , '1 *1 00', 0 '1

1 '3 *1 '50:50609.8.479'73 790'73'.2060'M6A::760DN CA64=8"# 496.5AC09.6 1 8' <8.05'75B89'73'8'.5489BA"85'375C 1 8::0856'79'8' "85B0'=79.7C48.0';5866'73' 057''<24=2' 8?05E =8C:'286'B4?09'89'09B58?49B'89D'D06=54:.479'73' 49'246'<75F'79'.28.':0=A"485'="866'73'C0D8"6*1' 00' ' *

1 ' 20' 86.*1 246'<75D'<86'A60D';@ .20'#7C896'.7'D064B98.0'04.205'.28.':85.'73'.20' <75"D'<2050'.20'6A9'8::0856'.7'5460':75'67C0' :57?49=0'73'.20'0C:450'64.A8.0'.7<85D6'.20' 86.':75'.20'A9'4.60"3# 20' 86.'46'34BA50D';@ 8'@7A9B'208D'=57<90D'<4.2'58@6'89D'1 ' 73.09'46'.20'8==7C:89@49B'"0B09D*

*1 8 "89.'49'97.4=49B'8'=749'6.5A=F' A9D05' 58 89'503055498'.7'8'64C4"85'790'73' 8D5489'7;605?06/ 1 ':05679430D';@'8' 58D48.0D'208D'50:50609.6' .20':57?49=06'73' 5C0948' "89D' 067:7.8C48'<24=2' 58 89'28D'A6.'8DD0D'.7' .20'#7C89'.0554.7540 6'49' .28.'SA85.05'73'.20'B"7;0' <2050'.20'6A9'600C0D'.7' 5460*1 1 '86'C089G 49B'.20'A9'46':;A5.58@0D' A9D05'.20'375C'73'8'98F0D' C89'B09058@6.89D49B'<4.2'.20'54B2.'289D' 5846OD'89D'.20"03.'27"D49B'8'B"7;0'75'8'<24:' 79'=7496'73'&75D4899@'4A6'8"05489A6'609475' 89D'A9475'&8""409A6'76.ACA6'"8AD4A6' &7.24=A6'A50"489A6'57;A6'ACO5489A6' 47="0.489'796.89.496'2"75A6'""0=.A6'=*1' 'C0D8"73'47="0.489':"8=06'8';589=2'49'790' 289D'89D'8';7<'49'.20'7.205'89D'79'8'50?0560' 73'&8""409A6'54096'46'50:50609.0D'A9D05'.20' 34BA50'73'8'<7C89'<08549B'8'.95500D'=57<9' <27'7330549B'8'34BA50'73'4=.75@'.7'.20'C:0575' B4?06'24C'866A589=0'73'6A==066'8B8496.'.20';85G ;854896'<27'28?0'7?05E5A9'.20'648.4='57?49=06* # '&&*1 7"6.89D49B'98F0D'01G =0:.'8'="78F'.257<9';8=F'3457C'246'627A"D056' "43.6'A:'.20'54B2.';89D'89D'27"D6'8'<24:'75' 6=7A5B0'49'246"03.# 9'.245D';5866'73' 8"05489* 9'8'0 '73' 8"05489'.20'0"D05'04E' "A;4.49B'.246'0:4B58:2'89D'.@:0'.20' D4.75'73' .20'#7C89'0D4.479'73' 84 89.'C8F06'.20'37"G "7<49B'246.754=8"'50C85F 1 T'(209'.20'0C:450' 73'#7C0'<86'79'8""'64D06'86684"0D';@;85;85489' 85C6'8"05489A6'D0="850D'246'679'&8""409A6' C:0575'89D"08?49B'24C'.7'.20'D0309=0'73'&8A" 89D'&05C89@'20'24C60"3'28?49B'8660C;"0D' .7B0.205'.20"0B4796'357C'.20'904B2;7A549B':57G ?49=06'5067"?0D*.7'C85=2'8C:B4?0';8.."0'49'.20' 86.'.7'.20'=@.24896'<27'<050':07:"49B'648' 89D'.7'.20'0564896'*<27'2 '8"508D@'.8F09' :766066479'73' 067:7.8C48'89D'73' @548'# 75' .246'508679'1 ' 1 M.20'54649B' A9'73'.20' C:05756N 1<86'6.5A=F'79'.2045' =7496 8"508D@';89.4=4:8.49B 1 8"86'27<'38"G "8=47A6"@1.20'! '73' 8"05489*

*1 8"05489'.20'@7A9B05'49'8'C4"4G .85@'B85;':"8=06'8'=57<9'79'8'.57:2@# '?05@' 5850'64""?05'=749';08549B'.246"0B09D'89D'.@:0'46' B4?09';:.2'49' 89DA54'89D' 8 "89.' 20' "8..05' 73'<27C' C8F06'.20'37 7<49B'8997.8.479/1' T' 8"05489A6'A9475'46'79'246'=7496'=8""0D' 1 ' 86'.27AB2'8'90<'6A9'28D'54609'79'.20'0C:450' <209'20'<86'8667=48.0D'49'.20'B7?059C09.'<4.2' &8""409A6*U

& ' &*1 20' <7"3'6A=F"49B'.20' .<496 1 9'8'?05@'5850'.245D';5866'73' 57;A6' <2760'754B49'46'?04"0D'49'7;67954.@# 246'46'8' 90<'50?0560'M68@6 =F20"N' 89D'F97<9'79"@' 357C'.20'=7496'73' 57;A6# .'600C6'.7'49.4C8.0' .28.' 57;96'<86'D06=09D0D'357C'#7C89':"77D' <24=2'C4B2.';0'.5A0'8".27AB2'20'<86'83345C0D' .7'28?0';009'2759'49' 8997948*

1 '73'.20'F ';0"79B49B'.7',' ! '89D'58=06# 246'46'D054?0D'04.205'357C' ;5A.0'894C8"6'86' ! '" # 00 ' ! 0 ' =*' 75'357C'67C0'C85F'75'C0C;05E'73'.20' 2AC89';7D@' 89D'06:0=48""@'357C'.20'208D'86' ' ' ' =*' 5'357C'67C0' =75:7508#'8330=.479'75':0=A"4854.@' 86' !& $' ' ?:?6' =*' 5'357C'.20'C899056' 89D'D46:764.479'73'C09'$0 ' #* &!' 4 '=*'75'357C'7==A:8.4796'89D'7334=06' 86' ' & ' ' # ' 5 357C'D00D6'89D'8=240?0C09.6'86' " !"5 ' ' 4 4=?6' =*' 98@'0?09'357C' B85D09'205;6'75':A"60'86"!" '# $!5 '#! ' =*1 00'! '6 J

1 '.20'"85B06.'54?05'73' @548'<24=2' 286'4.6'67A5=0'97.'385'357C'.20'89=409.' 0"09=48' 40548'89D' 7A9.' 0;8979'89D'3"7<6:86.' 9.47=2'49.7'.20' 0D4.05589089'608*1 9'2' &500F'=7"7C8#'=749'73' 58 89'8'34BA50':05.' 679%3@49B'.20'1 '46'6009'0C05B49B'<4.2' 0I.09D0D'85C6'86'43'6<4CC49B'8.'.20'300.'73' .20'&094A6'73' 9.47=2'<27'46'64..49B'79'8'24""' .20'57=F@'308.A506'73'<24=2'49D4=8.0'.20"73.@' 64.0'73'.28.'=4.@*1 T 20' 9.47=24896'M68@6 8"89.N=7CC0C758.0D';@.246'C0D8#'.20'?464.' 73' 58 89'.7'.2045'.7<9*U 1 00'

1 '75';'.20'679'73' 64546'89D'73' 646';@'<24=2'.20' B@:.4896'8==75D49B'.7' "A.85=2'A9D056.77D'.20'6A;0=.479'73'.246' <75"D'.7';45.2'89D'.7'D08.21.7'D0=8@89D'.7' 50?4?8"# @'646'89D' 64546'8""'.2760'0330=.6 <050'684D'.7';0'D064B98.0D'<24=2';@' 7"85 89D' A985'493"A09=06'850':57DA=0D'49'.20' <75"D*1 9'8'.245D';5866'73'K9"489A6'*' 8C79B'7.205'.@:06'73'.20'C796.57A6'6A:05G 6.4.4796'73' B@:.'<24=2'.28.':2 767:24=' 50E :9D48.75'73' 296.4894.@'T'D0"4B2.0D'.7'2797A5U' 46'646'608.0D'49'.20' '73'6A=F"49B' 5A6/.20' "0B09D' '#5$0!" '

1 '8'?05@'89=409.'89D'97;"0'=4.@'73' 46:8948' 8558=7909646'375C05"@'8'#7C89' + '97<'=*""0D';' '49' 558B79*1' ==75D49B'.7'750"" '4.'46'D097C498.0D'79'=7496' # # '75'6=8'<86'=8 0D 8)'86' '=4.@' + ' '89D'.77F'4.6'98C0'73'H ' 357C'KA"4A6'334685*

-- 'H '1 *1' 20'C790.85@.54AC?456'73' 67S'850'8"C76.' 8"<8@6'D064B98.0D';@.20'6A598C06'79"@'209=0

a ' # * ! %!

:"8=0D' 8' ?05@' "73.@' .7<05' 79' 8' ;8646' 73' :4F6 ' 49' 4C4.8.479' 73' .20' "0I89D5489' :28576 ' 375' .20' :A5:760' 73' D450=.49B' .20'=7A560' 73' 98?4B8.756' ;@' 34506' 8.' 94B2.*' 20' 68C0' 8A.275' M49' 246' 430' 73' 057 ' =*' a' 89D' H, N' 50"8.06' .28.' <209' "8AD4A6' 28D' 5067"?0D' A:79' ;A4"D49B' .20' :75. ' 20' SA06.4790D' .20' 85=24.0=.6' <28.' .20@'06.4C8.0D' .20' =76.' 73' 246' <75F' <7A"D' ;0* 20@' 896<050D' ;@' 98C49B' 6A=2' 8' 6AC' 86' 20' C4B2.' ;0' A9<4""49B' .7' 49=A5' 27:49B' .28.' <209' 20' 2085D' .20' C8BG 94.AD0' 73' .20' =285B0' 20' <7A"D' 8;89D79' .20' D064B9' 8".7B0.205* 7.249B' D46=7A58B0D' 27<G 0?05' .20' C:0575' ;09.' 246' C49D' A:79' :A56A49B' 246' :"89' <24=2' 20' 8==7C:"4620D' 49' 8' C899050 <75.2@' 73' #7C89' :7<056* 1 0?05.20"066' .2050 85D' 97* =74B6' '"8AD4A6' 0I.89.' <24=2' 0I24;4.' .@:06' 73' .246' :75.' .27ABZ' C89@' 73' 057U6 8:085' <4.2' 8' 50:50609.8.479' 73' 4.' M86' .20' "85BO' ;5866' 2050' 49.57DA=0DN' 8' =45=AC6.89=0' <24=2' 620<6' 04.205' .28.' .20' "8..05' 98C0D' :549=0' :A.' .20' 349462498' 6.57F0' .7' .246' B589D' <75F' 75' .28.' 20' <86' 67' 99B58.0344* 89D' ?849' 86' 97.' .7' 8=F97<"0DB0' 0?09' .28.' 8' 62850' 73' .20' C054.' ;0"79B0D' .7' 246' C:0548* :50D0=06675* 1' 00' 8 ' & ! 1 ' 4 *1 2760' .54;06' 73' .20' &7.26' <050' 67' =8""0D' <2760' 754B498* =7A9.5@' "8@' .7<85D6' .20' 86.* 00' 4 ' *1 75' .20' 6.57' &7.24=' 49B6' 49' .8"@ 1 600' 1' * 1 1' i * 75' * ' 1 ' 75' 1 *1' .8=4"48' .20' 98C0' 73' 89' C:5066' 75' .804"4A6' .20' 98C0' 73' 8' C89* ' " %' F ' D8AB2.05' 73' 0?05A6' &7?05975' 73' 8997948' C85540D' 24"4:' 609475' 8;7A.' ' >H ' ;@' <27C' 620' 28D' 24"4:' .20' @7A9B05' 60?09' @0856' ;03750' .20' 0"0?8.479' 73' 205' 2A6;89D' .7' .20' C:0548* .25790* 3' 89' 09B8B49B' :05679' 89D' 49' :54?8.0' =79DA=.' <4.27A.' 50:578=' ' 620' <86' =A":8;"@' 8C;4.47A6' 89D' :85.4=4:8.0D' <4.2' 24"4:' 49' .20' CA5D05' 73' .20' 245D' &75D489* 246' :549=066' :5730660D' 2546.4894.@' 89D' 46' 684D' .7' 28?0' ;009' 6A;0=.0D' .7' 0=="06486.4=8" :0989=0' ;@' .20' 4627:' 73' 9.47=2' 849.' 8;@"86' 375' 205' =54C498* 62850' 49' .20' D08.2' 73' .20' ?45.A7A6' @7A9B' 0C:0575* .' <86' 27<0?00' ;@' .8=4"48U6' :57.0=.479' .28.' .20' 2546.4896' ;508.20D' 49' :08=0' DA549B' .20' 504B9' 73' 205' 2A6;89D' 89D' ;@ 205' 496.5A=.479' .28.' 205' 679' 8' @7A.2' 73' B508.' :57C460' <86 ;57AB2.' A:' 49' .20' :40.@ 89D' <46D7C' 73' .2045' 27"@ 384.2* A.' .20' D08.2' 73' 24"4:' :50=4:4.8.0D' .246' <7C89' 49.7' .20' 7;60C0' =79D4.479' 49' <24=2' 620' <86' ;7C ' 89D ' 83.05' 6A6.84949B' .20 275575' 73' 28?49B' 205' 679' 6"849*49' 205' 85C6' ;@' .20' 50.754896 ' 49' <2760' =8C:' .20@' 749."@' 67AB2.' 8' 503ABO' 79' .20' 8::578=2' 73' 58 89' 8=4A6' .7' #7C0 ' .8=4"48' :8660D' .20' 50C849D05' 73' 205' D8@6' 49' 50.450C09.* 20' 496=54:.4796' 79' 205' =7496' 850' "!0! ' * ' ' 89D' # * * # * * 7C0' :40=06' 50:50609.' 205' <4.2' 24"4:' .20' 3.4.205' 89D' 24"4:' .20' @7A9B05 1 89D' C89@' 73' 205' =7496' 50.58=0' .20' =0"0;58.0D' 0:7=26' 89D' .20' 306.8* 67"0C94.406' <24=2' 7===A:@' 67' "85BO' 8' :75.479' 73' .20' .@:06' 6.58=F' 49' 2797A5' 73' 205' 2A6;89D' 89D' 205' 679* 9' .20' "85BO' ;5866' 73' .246' C:5066' <0' 508D # ' * * *' * * * *' 89D' 79' 897.205' " 0 * ' ' " ' <4.2' .20' 34BA50' 73' 8' 24::7:7.8CA6* 1 0""0549' 8"67' B4?06' 49' 246' = ' 8' 64"?05' =749' 73' .8=4"48' <4.2' ' # *' 89D' 8' <7C89' 608.0D' 79' .20' B57A9D' 27"D49B' 8' =7CA=7:460' 49' 205' "03.' 289D' 89D' 0I.09D49B' 8' ;589=2' 49' 205' 54B2.' .7<85D6' .<7' =24"D509* 20' 46' 684D' .7' 28?0' 28D' 8' D8AB2.05' 86' <0"" 86' 8' 679* 05' B7"D' =7496' 89D' ;5866' C0D8""4796' 850' ?05@' 5850' / 64"?05' 73' .20' A6A8" 64\0' 89D' 3456.' 89D' 60=79D' ;5866' ?05@' =7CC79* ' 6A598C0' 73' .20' 8"?48' 38C4"@* * ' ' 444?4#* * * * * * 7A' &8"85BO' ;5866' 6.5A=F' ;@' 8"?4A6' .27' 790' 73' .20' C790@056' 73' ABA6.A6' 89D' .20' C8.0598" A9="0' 73' .20' C:0575' .27*1 00' F ' " ' %' ;7C' * * >' <86' 679' 73' A=4A6' 8"?4A6' .27' 8' C89' 73' =796A"85' 589F' 89D' 73' 89' 4 A6.54796' .5A5489' 38C4"@* 46' C7.205U6' 98C0' <86' ";48' 0509.48' 8"67' 73' 89' 4""A6.547A6' 27A60* 1 89D67C0' ;58?0' 89D' :7660660D' 73' .8"09.6' 246' @7A.2' B8?0' :57C460' 7.' 24B2' D46.4A=.472* 6' 790' 73' .20' 38?7A54.06' 73' 057' 20' 6779' 27<0?05' ;0=8C0' ?7"A:.A7A6' 89D' :57D4B8"' 8;89D7949B' 24C60"3' "4F0' 246' 4938C7A6' C86.05' .7' .20' C76.' 628C034D' 0I=0660' 73' D0;8A=205@* 0' 28D' 6=85=0"@' 605?0D' .20' 580.75624:' <209' .28.' .@589.' "4;05.490' <46249B' .7' :766066' 24C60"3' 73' 7::.08' 246' <430' 609.' 24C' 49' .20' @085' [' 86' &7?05975' .7' A64.8948* 3.05' .09' @0856U' 8;609=0' 357C' #7C0' 20' .77F' :85.' 49' ." 0' 50?7"." <24=2' "0D' .7' 057U6' D08.2* 0' <86' 8.' 3456.' 384.23A" .7' &8";8' ;A.' 49' a' D46:"0860D' 89D' D468::749.0D' 8.' 467U6' 8D7:.479' .27' ;860"@' 496.4B8.0D' .20' 580.75489' 67"D4056' .7' 866866498.0' .246' ?0.0589' C:0575' 89D' ;@' .2045' 8AD8=47A6' 84D' 6A==00D0D' 49' C7A9.49B' .20' .25790* A.' 246' 504B9' <86' 6275.* 8?49B' .7' =79.06.' .20' =57<9' <4.2' 246' =7C:0.4.75' 4.0 4A6' <27C' 20' .2500' .4C06' D0308.0D' .27' <86' ?89SA4620D' 49' 246' .A59' 8.' .20' ;8.."0' 73' 0D548=9C' ' 89D ' 58.205

375' 50?05606' <4.2' 8' :5737A9D' F97<"0DB0' 73' 246.75@*

2060' C0D8"6' <24=2' ;0"79B' .7' .20' 64I.009.2' =09.A5@' <050' 20"D' 49' B508.' 50 : A.0' 89D' 850' 6.4""' CA=2' 49' 50SA06.' 79' 8==7A9.' 73' .2045' ;08A.43A" <75FC89624:' .' 46' .7' .20' 8DA896' 89D' 8"67' .7' .20' A.=2C89' ' ' .28.' .20' B508.06.' :75.479' 73' .20' 38"60' =7496' 850' .7' ;0' 86=54;0D' <24=2' DAD' 8' :"8=0' 49' 8"C76.' 8"" =8;490.6' 20' 09=2' '49BL6' 7""0=.479' 8.' 8546' =79.8496' 8' 3490' '73' .2060' C7=F' 89.4SA06*

' 64C98C0' 73' .20' '304A4"@' 79' 8' D09854A6' 73' <24=2' 46' :' # ' $ ' <4.2' .20' 476=A54' 79' 27560;8=F*

' # 1 ' 6' # 0' # '

F+ '#

' # 1 # 0' # 0' 75' # 0

+ 8 '# / ! #' ?444' '#' 6 !!!' "

' 9' 8' 3456.' ;5866' 73' 7CC7DA6' <24=2' 50 : 50G 609.6' :7""7' 27"D49B' 8' "@50' + ' ' 46' C089.' 49' .246' =860' 20' B7D' <86' =8""0D' # ' ;0=8A60' 8' D0D4=8.479' <86' C8D0' .7' 24C' ;@' ABA6.A6' 49' .20' # ' 8.' #7C0' 83.05' .20' ;8..."0' 73' =.4AC' 20' =7496' 73' 7CG C7DA6' 6.5A=F' <4.2' .246' 0:4B58:2' 50305' .7' .20' ' + ' 75' + ' B8C06' <24=2' <050' =0"0;58.0D' 8.' #7C0' 49' 6A:: "4=8.479' .7' :7""7' 86' .20' &7D' 73' 0D4=490' .28.' 20' <7A"D' 6.8@' 8' D508D3A" :06.4"09=0' 58B49B' 49' .28.' =4.@' 49' .20' @085' a H' DA549B' .20' 204B2.' 73' <24=2' ;@' .20' .06.4C79@' 73' 479' 4.' 73.09' 28::090D' .28.' .<7' .27A689D' :056796' D40D' 73' 4.' 49' 790' D8@" O' !

+ ' 8"07B58:2@1 .20' 6=409=0' <24=2' 605?06' .7' C8F0' A6' 8=SA849.0D' <4.2' .20' <54.49B' A60D' 79' 89=409.' C85;"06' =7496' C89AG 6=54:.6' =' 1 20' =7496' 73' 67C0' =4.406' 620<' .28.' .20@' ;750' 8' 6A==066479' 73' D4330 4 9.'98C06*T' 2060' ?8548.4796' M68@6 09949' 44" :' # ,>N' 850' A6034D' .7' B07B58:2@' 89D' 246.75@' 89D' 8"67' .7' M9AC46C8.4=N 8"07B58:2@' 4986CA=2' 86' .20@' 605?0' .7' 06.8;"462' .20' 0:7=286' 73' =7498B0*1 9D05' .20' #7C89' :7<05' C89@' &500F' =4.406' 8DD0D' .7' .2045' 7<9' 98C06' 4C:0548"' D097C498.4796' :85.4=A"85"@' .2760' 73' :' 75' 7.205<460' =289B0D' .2045' 98C06' 375' .2760' 73' .20' C:05756' 7 + ' ; ' =" .205' 0:4.20.6' 73' D4?056' F49D6' 850' A603A" 49' 8' B07B58:24=8" :749.' 73' ?40<*U' 1^ 0' + *1 4""49 2=3" . ' * ' 90' ! '

' 8' =4.@' 73' A=8948' M97<' 8' :57?49=0' 73' 8:"06N' =8""0D' ;@' .20' &500F6' # ' 64.A8.0' 79' .20' 62750' 73' .20' 0D4.05589089* 1' T 246' =4.@U' 68@6 =F20"' T <209' A9D05' .20' B7?0C:40A.' 73' 4.6' 7<9' "8<6' 6.5A=F' C89@' =7496' <4.2' 4.6' &500F' 98C0' 73' # ' A.' 79=0' 06.8;"4620D' 86' 8' #7C89' =7"79@' 4.' <86' =8""0D' 79' 4.6' =7496' # | ' 49' .20' 7"D' 8.49' 375C' 73' "0..056' 89D' 75.27B58:2@" 9D' 357C' .20' .4C0' 73' 4.6' 50=04?49B' .20' 54B2.6' 73' 8' =7"79@' 97' =7496' 73' # | '0I46.' 0I=0:.' ;5866' 7906' 89D' .2760' <4.2' 8.49' 496=54:.4796' <209=0' 4.' 8::0856' .28.' .7' .2045' 07"79406' 97' :54?4"0B0' <86' B4?09' ;@' .20' #7C896' 375' .20' =7498B0' 73' B7"D' 89D' 64""?05' ;A.' 67"0"@' 73' ;5866*U 1 G ' ' :" Ha*Q

' # ' 7A9.' 8"8.490' 790' 73' .20' 60?09' 24""6' 73' #7C0' 79' <24=2' .20' '49B6' 3456.' .209' .20' 796A"6' 83.05<85D6' .20' C:05756' 357C' ABA6.A6' D7<9<85D6' 49' 8' "79B' 6A==066479' 34I0D' .2045' 5064D09=0" 09=0' .20' <75D' # ' 86' D064B98.49B' .20' 27A60' 73' 8V57@8" 75' 4C:0548" :056798B0* 1 V52' .05C' # o ! ' D706' 97.' 7==A5' 79' 89@' 89=409.' #7C89' C0D8"6' .28.' 86=54;0D' .7' ;049B' :5797A9=0D' 6:A547A6* 1 ^ 0' =F2="

?4" , , *Q

' ' ' .20' 6A598C0' 73' .20' ' 38C4"@' 79' <2760' D09854' <0' 600' 4.' 67C0.4C06' 8==7C:89@49B' .20' 208D' 73' ! :' 67C0.4C06' .20' 208D' 73') ' 89D' 8' ;54DB0' 73' 34?0' 85=206' 8.' 7.2056' .20' "8A508.0D' 208D' 73' ; ' <4.2' 8' 095A"0' =2845' ;0.<009' =759E0856' .20' 6@C;7"6' 73' .20' 0D 0624:*1 00'

' 89' 4C8B0' 73' # ' 75' 4905?8' .7' <24=2' <050' 8..8=20D' .20' D06.4940' 73' 57@" 246' 6.8.A0' .2500' =A;4.6' 49' ;04B;.' 20"D' 8' "89=0' 49' .20' 54B2.' 289D' 8' 6240"D' 79' .20' "03.' 85C" 479@64A6' 73' 8"47859866A6' <27' 37""7<6' .20' &50=489' 34BC09.' .28.' 4.' <86' .20' B43.' 73' 208?09' .7' .20' 57 896' 8DD6' .28.' * 9086' :7660660D' 24CG 60"3' 73' 4.' 89D' =79?0@0D' 4.' .7' .8"@' <4.2' 246' 27A6027"D' B7D6' "# % .' <86' 684D' .7' 28?0' "79B' ;009' :50605?0D' 49' .20' 0C:"0' 73' 06.8' 8.' #7C0' 89D' C89@' C0D8"6' 50:50609.' .28.' B7DD066' 608.0D' <4.2' .20' 8""8D4AC' 49' 205' 289D*

28.' .20' # ' <86' :50605?0D' 49' .20' 0C:"0' 73' 06.8' 8.' #7C0' 46' 8' 38=:' =7964D050D' ;@' =F20" .7' ;0' .@:4340D' 7:' 8' ;5866' C0D8""479' 73' A=4""8' C:5066' 73' A=4A6' 09{6' 79' <24=2' <4.27A.' 0:4B58:2' 8:.0856' 8' .0C:"0' 49' <24=2' 46' 89' 4D7"' 89D' ;0375' <24=2' 64I' 30C8"0' 34BA506' 850' 68=5434=49B' 8.' 8' "4B2.0D' 8" .85" .' 46' 98558.0D' ;@' 8"# 8I4CA6' .28.' 8.' .20' ;A5949B' 73' .20' .0C:"0' 73' 06.8' 0.0 A6' :50605?0D' .20' # 0 ' <24=2' <86' 698.=20D' A9285C0D' 359C' 7A.' 73' .20' C4D6.' 73' .20' =793"8B58.479" A=89' 057D489' 89D' 4?@' =79345C' .246' 6.8.0C09.' .20' "86.' 98C0D' <54.05' 68@6 1 T' J%7 ' ' ' ') ' 0 ' 0 ' + ' + ' ' 0 ' + ' ' 0 ' 1' ^T (2@' 900D' ' 6:08F' 73' .20' 0.0598" 3450' 73' 06.8' 89D' 73' .20' 6.8.A0' M4"0" # % <24=2' 46' :50605?0D' 86' 8' :"0DB0' 73' .20' 0C:450L6' 6830.@V 49' .20' 689=.A85@' 73' 205' .0C:"0' zUQ

20' # ' ;7590' ;@" 9086' 49' 246' 54B2.' 289D' <24"6.' 20' =8554060' 9=24606' 79' 246' 627A"D056' 8:.0856' 79' 07496' 73' .20' 0=4"48' 89D' KA"48' 38C4"406' 89D' 79' D09854' 73' KA"4A6' 60685 1' 4905?8' 8"67' 27"D6' 4.' 79' 67C0' 4C:0548" C0D8"6" 1 ' 8::0856' 49' .20' 289D' 73' - V ' 8' =749' 73' KA"48' 70C486" 9' .20' 289D6' 73' ' 4.' 46' :"8=0D' 79' =7496' 73' 06:86489' V' .A6' 7C4.489' 58' 89' 89D' 9.7949O' 89D' 8"67' 79' C0D8"6' 73' .20' 8A6.4986' 89D' 7.205' C:506606* 1 "67' 49' .20' 289D' 73' 09A6' 79' 8' =749' 73' 8A6.498' A9* 20' # ' 8"67' 46' 6009' 49' .20' 54B2.' 289D' 73' .20' &094A6' 73' 6 ' 79' =7496' 73' 06:86489' 7C4.489' 9.7949A6' 496' 89D' 796.89.496' 2"75A6* 1 .' 8"67' 8::0856' 49' .20' 54B2.' 289D' 73' ' 79' 8' 64"?05' C0D8" 73' 4.A6' 86' 49D4=8.49B' .20' :7:A"85' ;0"403' .28.' 67' "79B' 86' .28.' 4C8B0' <86' :50605?0D' .20' #7C89' 0C:450' <7A"D' 3"7A5462* # ' .20' D8AB2.05' 73' KA:4.05' 357C' <2760' ;5849' 620' 46' 684D' .7' 28?0' 6:5A9B' 46' .20' 68C0' D04.@' <27C' .20' 8.496' =8""0D' 1 8""86

6@98# .' <86 73.09 ;57AB2.' 357C' .20 _86. ' 49D' 8"67' 357C' 354=8 ' .7' % $ *K 8.' #7C0 .20 6:75.6 73 .20 =45=A6 ' <2050' 67C0.4C06 4.' <86 "48C0660D' .7' 028547.6 ' 8.' 7.2056' C8D0' .7' 34B2.# 1 =8A5A6 ' DA549B' 246 0D4"0624:' <86 .20 3456.' .7 38C462' 8 : A;"4= 620<' 73 :89.2056 .7' .20 9AC ;05 73 790' 2A9D50D' 89D' 343.@# 7C :0@ :57G DA=0D' 34?0 23.4D50D' 89D' .09 ' 89D ABA6.A6 37A5' 2A9D50D' 89D .<09.@ ' 8==75D49B' .7 9@# # 5 8 : :085 79 =7496 86 .20 =7C :894796 73 8==2A6 ' ;0=8A60' .20 98.A58"# 246.75@' 73 .20 89=409.6 86=54 ;0D' .7' .2060' 894C8"6' 8' :0=A"485 379D9066 375' <490 89' 246' "4SA75 <86 790' 73 .20' D"0896 684D' .7' 28?0 ;009 0C :"7@0D' .7' .8F0 .20 C ' .20' 2A9.056' A649B' 4.' .7' C8F0' .20' :89.2056 49.7I4=8.0D# 20' 57A9D' 6:7.6 79 .20 24D0' 375 ;4D' 7A5 =7937A9D49B' 04.205 '+ 75'.20' $ <4.2' .20' .4B05 89D' .20' D46.49=.479 46' 7 ;605?8 ;"0' 79 =7496* '+ 79' <24=2' @ ;0"0' 75' 646' 46' 608.0D' 7==A56' 79' 8' =749 73 8D5489# .' 8 :0856' 8.' .20' 300.' 73 8==2A6' 79' =7"7948# =7496 73 9.7949A6' 4A6 # C0"486 0 :.# 0?05A6 858=8""8 89D' 0.8*1 9 8' C0D8""479 73 8 89' 8' :89.205 89D' 8' B78.' D58<' 8' =28547. ' 49 <24=2' 850' 608.0D' 8==2A6' 89D' :7""7* 1 9D 79' 8' =749 73 9.7E 749A6' 8' + 46' 64C4"85"@' 0C :"7@0D' <4.2' 68.@5 375 246' @7F0E30""7<' 49 8' =85 <2050' .20' 7D 73 (490' 46' 50=7B9460D' ;@' 246' .2@56A6 89D' .20 3845 548D90' 64.6 ;064D0' 24C* 1 8#""89.' 49 246 ' ' B4?06' A6' 8' =749 73 7549.2 6.58=F' A9D05 # A50"4A6 79 .20' 50G ?0560' 73 <24=2' 46 ! ' ' ' - ' ' :' 89D') ' # 6.89D49B' <4.2' .20' =A:' 75 3"8B79 49 246' 54B2.' 289D' 89D' .20' .2@56A6' 49 246' "03.# :89.205 64.6' 8.' 246' 300.' "77F49B' A:' 86 43 8.' .20' B7 ;"0.' <24=2' =79G .849 T' .20' "4SA75 .28.' 20' "7@ *U ' + 8 :0856 79 8' ;5866 =749 73 8""409A6' <4.2' "0B09D' 73 + # ' # ' 605=8375 4 # + 20' 98C0' 73 8' 38C4"@* 1 2 + + ' # + ' '" ; ' " = " ! ; ' = ! "# * "! ; ' # + 1 20 :7 : :@ <86 <4.2' .20' 89=409.6 .20' 6@C ;7"' 73' 305.4"4.@ ' 79' 8==7A9.' 73' .20' "85B0' SA89.4.@' 73' 600D6' <24=2' .246' :"89.' :57DA=06' 89D' .2050375 =7960=58.0D' .7' 0506 09=0' 45B4"# "4 # 4*\ =8""6 4.' ' # + :' 89D' 8C79B6.' .20' =759E0856' B4?09' .7' .28.' B7DD066' .20' :7 : :@ 46' B09058""@' 49.05C49B"0D* 1 20' + ++3' ;0.<009' .<7' =759E0856' 20"D' ;@' 0506' 7==A56' 79' 8' 60=79D' ;5866' 73' 4.0""4A6' <4.2' .20' 0:4B58 :2' 73 # ' '& ' # 20' 68C0' B7DD066' <4.2' .20' 68C0' 8..54 ;A.06' 608.0D' 89D' 8' 30C8"0' 6.89DG 49B' ;@' 205' 8 : :0856' 79' 8' 3456.' ;5866' 73' 05?8' <4.2'.20''0B09D' 73' ' & *1 .8"67' 46' 6009' 79' =7496' 73' 057' KA"48' 4.4' 89D' 8586 =8""8' 89D' .20' :7 : :@ ' 0856' 73' =7C ' i 850' 37A9D' 79' C 0D ' 73' 58 89' 8D5489' 89D # A50"4A6*1 9'8' =749' 73' 7C4.489' .20' :7 : :@' 46' 50 :50609.0D' 49' =79 A9=.479' <4.2' =759E0856' <2 4"6.' .<7' 54B2.' 289D6' A94.0D' 6A6.849' 8' =8DA=096' .20' 0 :4B58 :2' 46' .=8X ^ =F20"' R$.!# 44# :# , [*Q 1 00' #0 $! $ ' C" * # # + 1 246' 8 ; ;50?48.0D' <75D' 8 :G :0856' 79' 8' .8 ;"0.' ;0249D' .20' 208D' 73' KA97

! + /2' !%' 2' (! %' !4' / *' H2+ 2' 42$ "; ' /$*'' %' (!$ $*$!)2/ !%' !4' 2' "2&' (2)) *, ' : ;' 'H2+ # ' 2-2 % f' +*)$ // %-'4!)* -%*) ' /!')* ,*' %' !)%*' E 0 0' # + H H ' 2" !' /2%, ' 4#)' # + ' / *' %2$*' !4' 2' $2% H H ' 2' +"*: * 2%' 42$ ";' !4' (!% #"2)')2%' ' 2%,' !) - %2"";' :*"!%- %-' /!' ':' / ' #)> %2$*' !%' (! %' ' ' *' # + ' &*)*' /) :#%*' !4' / *' +*!+"*' & !' +2 *,' / *' "2& ' %2$*,'# + ')* +*(/ %-' * /2" '2%,' /)2%-*) L ' 9 !)*"" *%#$*)2/*' %!' "* ' / 2%' BX 2) */ * ' *' " *)' 2)*' (!%#%!%' $!%-' / *' (2)(*' /;+* ' ' / 2f !%' 2' ,*%2) # ' / *' !: *) *' !4' & (' :*2) ' / *' &!) ,' $! # ' 2' ;!#%-' "2%)*2/*,' *2, ' & / '2' /)!+ ;' :* %,' f' @!/ *) ' 2 *' / *' *2,' !4' - ' F + ' & / !#f"*-*%,D' *')* *) *' +)* *%/ ' ' # #! ' " o ' !!! ! ' ' &!"4' !", %-' %' ' $!#/ ' 2' " - /*,' / (' ' 2%,' */ %-' 4)*' /!' 2' *2+' !4' &!!,' +"2(*,' :*4!)*' 2%*2-"*' & / ' / ' & %-' +)*2, L !)' !$*')*> $2) ' ' !%' / *' "*-*%,' 2%,' /;+*' !4' / *' !: *) *' **' L / ')* +*(f' /!' / *' %-#"2)' /;+*' !%' / *')* *) *' f' ' (*%/*) *,' :;' %#$ > $2/ / ' @ (' *" 2$!%-' / *')* /D' /!' :*' *G+"2 %*,' :;' 2' +2 2-*' %' !%; #' 2" (2)%2 #' & !' 2; L & *%' 2 %#$' &2' 2 :!#f' /!' :*' :#"/' !$*' +)!, - *' !4*)*,' / *$ *" *' /!' / *' @ #+*)> / / !# D' 2++)* *% !%' !4' / *')!<2% ' %' 2' &!!,' ?*;' !:*)*,' / 2f 2' 4)*" - /*,' +!%> /2%*!# ";' &2' 4*,' :;' 2' &!"4' :) %-%-' /!' f' 2 ,);' /('' !)' 42--!/' 2' 4#*"' %' / $!#/ 2%, ' 2%*2-"*' & (' 2,' 4"!&%' /!' / *' 2$*' +!f &2' 42%% %-' / *' 4"2$*' & / ' / ' & %-' %' / *' !/ *)' 2%,' 2' 4!G' 2 %-' ,++*,' ' /2 " %' / *') *)' &2' **%' +) %' "%-' &2/*)' ! *)' / *' (!%4"2-)2> / !%-' 2%,' !$*/ $*' / ! *' & !' 2,')2 *,' 2f !/ *)' / $*' / *' 4!G' & !' *%,*2 !#)*,' /!' *G> / %-# ' / *' 4"2$*' +)* 2 "*,' :#f 2f "*%-/ ' / *' "2//*' 42 "*,' !4' #((* ' 2%,' / *' &!"4' & / ' 2!#" %*' 2"";' /) #$+ *,' *' /!) 2%' 2,, ' /!' / ' * ,*%/";' 2""*-!) (2" /2/*$*%/' & 2f &2' +! :";' / *" /*)2" 42(/' / 2f / *' :)2.*%' $2-*' !4' / *' &!"4' 2%,' 2%*2-"*' &*)*' +)* *) *,' %/ / *' 4!)#$' 2f 2 %#$' /!' / *' ,2;' %' & (' *' &)!/*' %')*(!),' !4' / * *%/' & (' 2' 9)' *)$2% !:*) * ' &2' / *' $!,*' 2, !+/*,' :;' Y%*2' /!' +)*, (f' / *' ,* / %;' !4' 1 / *' %42%f' (!"!%;' & (' 2"/ !#-' *G+! *,' /!' / *' *%$ /;' !4' #))!#%, %-' $ /2/*' ' &!#"',' 4 %2"";' #:,#*' / *$ 3 L !)' !/ *)',*%2) ' !4' / '42$ ";' :*2)> %-' !%' / *)' *) *' 2' -) 4 %' *" (' *"' !"' XB L !)' E#%!' + /2' **' / *' &!) ,2" !' **' 6 ' 42$ "; L % *2(' !4' / *' $2%;' " *)' (! %' !4' / '42$ ";' 2%,' !/ *) ' &*" **' 2' $2"" /2$+' !)' $2) '' @ #(' ' 2' 2% 2+*G' 2% !&"' 2' " !%0' *2,' 2' 4!1/' 2' /)#$' F(' F(' +)*// ";' *%-)2 *,D' !4' & (' / *' %4 % /*' 2) */;' $> +)* *' !%*' & / ' 2' $! f' 4!)(:"*' ,*2' !4' / *' /#+*%,!#' !#2%/ /;' !4' , 44* *%/' ' *$> +"!;*,' % / *' $ %f' !4' !)%*' #%,*)' / *')*> +#:" (# + L *' :#//*)4";' *",' % / *' ("2&' !4' / *' *2(()2 '"+ %' 2++*2) ' !% 2' -!",' (! % !4' 9' % 9 ' !%*' !4' / *' $!%*/2" /) #$) ' !4' #-# /# L *' 2++" (2/ !%' !4' / ' /;+*' /!' / *' #) $ 2' 42$ ";' '#%2 (*)/ $%*,

7C0.4C0' 83.05<84EDB' 57D06' <86' CA5D050D' ; ' 246' 679' 2588.06 ' <27' .77F' : 766066479' 73' .20' F49BD7C ' 89D' B8490D' 8' D0=464?0' ?4=.75@' 7?05 9.79@' .20' .54AC?45O ' ; A.' 28?49B' .508.0D' 246' 6A ; 0=.6' <4.2' B503.' =5A0".@' 89D' 7 : : 5066479 ' .20@' D57?0' 24C' 357C' .20' .25790 ' 89D' 0"0=.0D' 790' @54D8.06' 375' .2045' 67?0504B9# 2588.06 ' 27<R 0?05 ' ;@' .20' 84D' 73' .20' = 5.24896 ' D0308.0D' @54D8.06 ' 50B8490D' .20' 8 5 4 8 9 ' 6=0 : .50 ' 89D' .7' =79=4"48.0' .20' 38?7A5' 73' ABA6.A6 ' 609.' ; 8=F' .7' #7C0' .20' : 54679056' 89D' .20' 6.89D85D6' <24=2' 28D' ; 009' .8F09' 357C 5866A6' 89D' 357C' 9.79@' ' 89' 0?09.' =7CC0C758.0D' <4.2' 97' "4.. 0' 76.09.8G .479' 79' =7496 ; 08549B' .20' 37""7<49B' 496=54 : .4796/

& ' # *1 ' ! '2 ' < ' ' ' #E ' # 0 # 1 89D' ' # ' # *1 9' .20' D08.2' 73' 2588.06 ' 790' 73' 246' 67A6' 6A==00D0D' 24C' A9D05' .20' 68C0' 98C0 ' 89D' <86' 37""7<0D' ; @' 57D06 ' <27 ' ; 049B' 866866498.0D ' 797906 ' 0"D06.' 679' 73' .20'*'A%.' 2588.06 ' <27C' .20' 85.24896' 28D' 49?4.0D' 357C' #7C0' M<2050' 20' 28D' 5064D0D' 86' 8' 276.8B0' .7' ABA6.A6N ' ;0=8C0' F4AB ' ; A.' <86' 6779' D0G .25790D ' 89D' 5.8 ; 89A6 ' 866AC49B' .20' D48D0C' 73' 85.248 ' D0="850D' (85' 8B8496.' .20' #7C896 ' 89D' <86' =79SA050D' ; @' 4.0""4A6 ' .209' &7?05975 73' @548 ' <27' 58460D' .7' .20' .25790' 454D8.06 ' 8' : 549=0' 73' .20' ; "77D' 57@8'" 73' .20' 468=4D06* 1 ' 3.05' 60?058" 0 : 2094058" 67?0504B96' 28D' 8 : : 0850D' 89D' D468 : : 0850D ' .20' F49BD7C' D0?7"?0D' .7' 7"7B0606 ' 8' : 549=0' 73' 67C0' =0"0 ; 54.@ ' <27' 28D' 2' "79B' <85' .7' 6A6.849' 8B8496.' .20' #7C896 ' 49' <24=2' 20' 97.' 79"@' : 57?0D' 24C60"3' .2045' 0SA8" ; A.' 73.09' 8=240?0D' ?4=.75406' 7?05' .20C 9D05' .20' 504B9' 73' 057 ' 7"7B0606' .77F' 5C0948' 3.E: C' .20' 0C : 450 ' 89D' =8A60D' .<7" "0B4796' .7' : 866 A9D05' .20' @7FO' 9' 58 89L644C0 ' 85.248' <86 B7?0590D' ;@'O 2765706' 79' <27C' .28.' 0C : 0575' C8D0' < 85 ' 89D' 83.05' .8F49B' 357C' 24C' 5C0948 ' 067 : 7.8C48 ' 89D' 66@548 ' D57?0' 24C' 34F7C' .20' .25790 ' 89D' : "=0D' .2050?9' 85.28C86 : 8.06 1 M600' .20' 98C0' 8 ; 7?0N' 7C0.4C0' 83.05<85D6' 2765706' 8B849' ; 0=8C0' F49B ' 89D' "03.' 246' D7C494796' .7' 246' 679' 7"7B0606 ' <27' 28D' .7' "4B2.' 375' 246' =57<9' 8B8496.' .20' C : 05756' 85=A6' A50"4A6' 89D' A=4A6' 05A6' .' "09B.2' 5.8 ; 89A6' 6A==00D0D' 7"7B0606 ' 89D' <86 .20' "86.' F49B' 73' .20' 58=0' 73' .20' 568=4D06' 0' =85540D' 79' 8' .405=0' < 85' 8B8496.' .20' 0C : 450' 73' #7C0 ' DA549B' .20' 504B96' 73' 0?0596 ' 858=8""8 ' 89D' 8=549A6 ' 89D' 28?49B' <24"6.' "0189D05' 0?0596' <86' 0C : 0575 ' ; 009' 8..8=F0D' ; @' 5.8 ; 89A6 ' ' 49B' 73' 05648 ' 20' <86 D0308.0D' 49' .2500' ; 8.."06 ' 89D' "76.' ; 7.2' 246' F49BD7C' 89D' 246' "430 ' 2A6 ' 37A5' 2A9D50D' 89D' 60?09.@E.2500' @0856' 83.05' .20' 504B9' 73' 4.6' 37A9D05' 568=06 ' .20' 85.2489' C7985=2@' <86' 8B849' .589630550D' .7' .20' 0564896*

' 7.3054AB' ; 589=206' 73' "8A50"' .7' .20' 0C : 05756' 850' 6009' 79' B7"D' 89D' 64"?05' =7496' 73' ABA6.A6' 20' 9AC46C8.4= 50=75D' 73' .2045' 506.7549B' .20' =8 : .A50D' 6.89D85D6' .7' .28.' : 549=0' 46' 8"508D@' 97.4=0D' 8 ; 7?0* 1 ' # ' 27"D49B' A : ' <4.2' ; 7.2' 246' 289D6' 8' "4.."0' ; 7@' .7' ABA6.A6 ' 64..49B' 79' 8' =A59"0' =2845 ' 7==A56' 79' 64"?05' =7496 73' .28.' : 549=0* 1 9' .20' C0D8" 3 6 ' # • ! ' 6 8' 85.2489' 8 : : 0856' F900"49B ' 89D' 79' .20 3456.' ; 5866' 73' " 09.6 ' 8' =8 : .4?0' 73' .20' 68C0' 98.479' 64.6' 79' .20' B57A9D' <4.2' 246' 289D6' .40D' ; 0249D' 24C*

(' <4.2' # * * #8.'.20' ; 7..7C# 1 ' 84.248A' 67"D405' 6.89D49B ' 27"D49B' 49' 246' 54B2.' 289D' 8' 58D48.0D' =57<9 ' 49' .20' "03.' 246' <08 : 796 ' =79646.49B' 73' 8' ; 7<' 89D' SA4?05' 73' 8557<6* 1 9' 8'$ ') ' 73' 9.7949A6' 4A6* 1 ' 2t' C0D8" ' <4.2' .246' "0B09D' 89D' .@ : 0 ' 375C6' 790' 7.' 8' 605406' 6.5A=F' 4CD05' .20' 8 ; 7?0E98C0D' C : 0575# 49' 246' ' =796A"8.0 ' 89D' 49' <24=2' .2760' 496=54 ; 0D' ' 4 ## "! ' ! # 3! ' 4 ' 4 ' ' 850' 8"67'.7' ; 0' 49="AD0D# 20@' 8""# : 50609.' .7' A6' .20' &094A6' 73' 08=2' : 57?49=0' 27"D49B' S'=57<9 ' 75' 8' ?860 ' 75' 8' 6C8""# =206.' " $ ' 2060' 6@C ; 7"6' 49?7"?0' 89' 49.0506.49B' 6A ; 0=.# .' <86' =A6.7C85@' 49' &500=0' .7' 73305' =57<96' 73' B7"D' .7' : 549=06' 89D'!7.205' B508.' C09 ' 79' 7==864796' <209' .20' 7 ; 0=.' <86' .7' .06.43@' .20' "7@8"' D0?7.0D9066' 73' .2045' 6A ; 0=.6 ' 75' .7' B4?0' .20C' : 57736' 73' : 8 : A"85' 8..8=2C09.# 246' =A6.7C ' ; 049B' : 5734.8 ; "0' .7' .2760' 49' <2760' 2797A5' 4.' <86' 7 ; 605?0D ' D4D' 97.' 38D' .7' C00.' <4.2' 38?7A5' 357C' .20' #7C896# 46.75@' C8F06' 350SA09.' C09.479' 73' 64C4"85' : 50"09.8.4796' 73' =57<96' ; @'=4.406' 89D' : 37?49=06' .7' #7C89?B09058"6' 86' 6779' 86' .20' "8..05' 09.050D' .2045' .0554.75406# 9D05' .20' C : 05756 ' 0?05@' 0 I.5875D4984@' 0?09.' 605?0D' .7' CA".4 : "@' .20' 7==864796' 375' .2045' 50=0 : ' .479' 73' 6A=2O?8"A8 ; "0' B43.6# (209 ' 375' 0 I 8C : "0 ' .20@' 28D' A6.' B.34A0D' 8' ?4=.75@W 75' ; 009' 58460D' .7' .20' .25790 ' 75' 0?09' <209' .20@' 866AC0D' 8' 90<' .4."0 ' .20' : 57?49=06' 90?05' C4660D' 6A=2' 89' 7 : : 75G .A94.@ '73' A94.49B 86' 8' .7F09' 73' .2045' 7@' 89D' =79B58.A"8.479 ' 49' .20' .09D05'73'8'B7"D09' =57<9' 89D' .27AB2 ' 8.' 3456. ' .20' D798.479' 28D' ; 009' : A50"@' ?7"A9.85@ ' 4.' 83.05<85D6' D0B09058.0D' 49.7' 8' 375=0D' : 50609.8.479 ' E89D' g.' "09B.2' ; 0=8C0' 8' 6 : 0=406' 73' .54 ; A.0 ' D4330549B' 357C' .28.' 0 I 8=.479' 79"@' 49' .20' 98C0' 8664B90D' .7' 4.# .' <86' 49' 38=. ' <28.' <0' 97 <' A9D056.89D' ; @' .20' 8 : : 0""8.479' 73' 8' $ ' $ ' 2 6' 6@6.0C' SA40."@' 689F' 49.7' =7C : "0.0' 8 ; A60' ' 89D' .246' D06=54 : .479' 73' : 50609.6' ; 0=8C0' ?05@' ; 95. ; 0967C0' .7' .20' : 57?49=06 ' 06 : 0=48""@' <209' 4.' <86' C8D0' =7C : D" 75@' A : 79' .20C ' 86' <86' .20' =860' A9D05' ' <27' 0I.75.0D' .2060" C ' 49' .20' C76.' 85 .585@' C89905 ' 89D' 375*.20' C76.' .54?48" 7==A5509=06* 1 ' .' 46' 90=06685@' .7' 0 I : "849' .28.' .2060' $$ ' D4D' 97.' 8"<8@6 =79646.' 73' 8=.A8" =57<96' 73' B7"D' ; A.' 73.09' <050' B4?09' 49' =7490D' B7"D ' 75' 49' B7"D' ; A""479 ' <24=2' .209=0' D054?0D' .20' 98C0' 73'=57<9' B7"D ' ' ' P .' .20' 8==066479' 73' 9.7949A6' 496' .7' .20' 4C : 0548" .25790 ' .20' 09?7@6' 357C' .20' : 57?49=06' =8C0' .7' 24C' 375' .20' : A5 : 760' 73' : 50609.49B' .2045' B7"D09' =57<96 ' 89D' .20' 98C06' 73' .2760' ?05@' : 57?49=08850'50=75D0D' 79' 246' C0D8"6# 20@' 850' A6A8""@' 50 : 50609.0D' 79' .2t' 50?05606' A9D05' .20' 34BA50' 73' 8' <7C89 ' <27' 27"D6' 04.205' 8' =57<9 ' 85' 8' 898""# =73305 ' 09="7649B' .20' ?8"A0' 73' 8' 508# =57<9# (54.056' 83345C' .28.' 9.7949A6' 28D' .20' B0905764.@' .7' 50"40?0' 8""# .8"@' 89D' 28"3' .20' 0 I.05475' : 57?49=06' 357C' .20' : 5066A50' 73' .246' .54 ; A.0* 1 .'C8@' 79' .246' : 749.' ; 0' 7 ; 0=.0D' .28.' # ' 89D' F 3 ' 850' 2050' 589B0D' 8C79B6.' .20' 3.40AD"@' : 57?49=06 ' <205086' DA54AB' .20' B508.05' : 85.' 73' .20' .4C0' .20@' <050' 8=.4?0

#* 1 V 40 8 : : 0""4.479 73 # 67C0G .4C06 B4?09 49%790 M.28.' 46 .7 68@ <4.27A.' .20 8DD4.479 73 .20 98C0 # % .7 .20 C : 05756 ' 83.05 .2045 D08.26 ' 89D <209 .2045 DO434=8.479 75 =7960=58.479 2842 .8F09 :"8=0 2A6 <0 349D 4 < 6 e ' 496=54 ; 0D 79 67C0 73 .28.' C : 0575L6 =7496 <4.2 .20 ?8547966@C ; 7"6 73 .20 8 : 7.207646** 1 9 "4F0 C89905 ' 83.05 .20@ <050 D08D ' C0D8"6 ' <4.2 .20 8DD4.479 73 . 8.' <75D ' <050 6.C=F 49 2797A5 73 .20 C0C75@ 73 58 89 ' 89D 73 05.4984 1 ?4*' 4??6 ! ' ' * 1 ' ' * 20 .4."0 73 # 8 : : 0856 79 8 B7"D =749 6.5A=F ;@ 75D05 73 58 89 49 C0C75@ 7 3 246 7<9 38.205 ' 85=A6 ":4A6 58 89A6 ' <27 46 .2050796.@"0D (' #' # '89D 50 : 50609.0D 608.0D 79 8 =A5A"0 =2845 9D 49 "4F0 C899050 67C0 =7496 73 8D5489 M<27 <86 .2579B2 .20 49.05?09.479 73 "7.498 ' .20 8D7 : .0D 679 89D 8 : : 749.0D 6A==06675 73 58 89N ' : 50609. .20 208D6 73 58 89 89D "7.498 38=0 .7 38=0 <4.2 .20 496=54 : .479 #4" * 1 97.205 C0D8" <4.2 .20 208D 73 58 89 ; 0856 (# ' #' & # 064D06 <24=2 .2050 46 897.205 73 8D5489 79 <24=2 <0 508D (' # &# # 4 ' ' #" 7 .340 68C0 ' ="866 73 C0D8"6 79 <2402 6796 98.A58" 75 8D7 : .0D 73 D== 60D 0C : 05756 : 8@ 34"48" 2797A5 .7 .2045 C0C75@ 850 .7 ; 0 5030550D .2060 =7496 F73 814C489A6 05=A"06 496=54 ; 0D (+ E ' # 89D 79 897.205 (+ ' #' M : 0528 : 6 86 F05E C89 68@6 + "P N ' : 57 ; 8 ; "@ 6.5A=F 83.05 246 D08.2 ; @ 2460679 810A.4A6* # :' 8"C76.' 0?05@ 8B89 &7D <86 67 Y=8""0D 86 + '# ' - ' # =# M 84""89. 5 44 : ' >>HN* 1 2A6 8"67 79 =7496 73 7CC7DA6 8 ; D 73 0?05A6 * '# 0D ' * 1 00 8"67 ' 79 8 C0D8" 73 &8""409A6W 1 9 "4F0 C899050 46 69C8C0D 8.05 86 .20 37A9D05 M.257AB2 #7CA"A6N 73 .20 =4.@ 89D .20 0C : 450 73 #7C0 0D X # ' .7 @524=2 850 8DD0D .20 .4."06 73 " 89D # # = 79 C0D8"6 73 796.89.49A6 * O # 86 8"508D@ 7 ; 605?0D 46 8"67 89 8 : : 0""8.479 B4?09 79 =7496 .7 ABA6.A6 834 608.0D 49 .20 "4F09066 73 K9 : 4.05 24C60"3 .28.' C : 0575 46 D0 : 4=.A50D 86 790 73 .20 =0"06.48" D04.406 ! J ' # 8 : : 0856 97.' 79"@ <4.2 58D48.0D 208D5 ; A.' 8"67 <4.2 98F0D 89D <4.2 "8A508.0D 208D 89D <4.2 ?8547A6 6@C ; 7"6 73 =7960=58.479 * # '# <86 790 73 .20 0=48" : 5406.6 89D 49D00D 8==75D49B .7 : 89204C 89D 4.46=A6 .20 =2403 73 .20 68=05D7.8" =7""0B0 67 =8""0D* 1 9 8 D09854A6 73 .20 38C4"@ .<7 C09 85C0D <4.2 6 : 0856 850 .7A=249B <4.2 .2045 D8BB056 8 67<' <24=2 46 20"D ; @ 8 C89 79 246 F9006* 1 T 246 M68@6 =2A"\0 49 246 M =N 46 .20 # '# <2760 7334=0 4.' <86 .7 : 5064D0 79 7==864796 <209 .508.406 <050 .7 ; 0 58.4340D 89D .7 F4"" 8 67<' 75 27B <4.2 8 6.790*U (A# '# 5S3 ' 06.A6 7 7 # ' ' '7 7 ' :' ; 0=8A60 20 .77F .20 78.2 375 .20 <27"0 : 07 : "0*O

H

' # 1 20 C89 <27 3456.' 73 8"" 7 ; .8490D .246 B"7547A6 .4."0 <86E 4=057 79 <27C 4.' <86 =7930550D ; @ .20 098.0 73 #7C0 49 8=F97<"0DBC09.' 73 246 : 8.0598" BA85D489624 :' 73 .20 50 : A ; "4=' 86 .20 D0.0=.75 73 8.4"490L6 =79G 6 : 458=@* .' 46 8 : 25860 : A50"@ 73 2797A5 A9=7990=.0D <4.2 :7<05* 1 75 49D00D <86 4.' M68@6 460"4A6N ; 06.7<0D 4CC0D48.0"@ 79 8 .20 #7C89 C : 05756* 1 .' <86 357C - ' ' .28. ' .20 =A6.7C 73 =79305549B .246 =7B97C09 : 8660D .7 246 6A==066756 89D .246 46 620<9 ; @ =7496 6.5A=F DA549B 246 "430.4C0 79 <24=2 20 46 08""0D - '# ! 1 7 79 8==7A9.' 73 246 ="0C09=@ M86 A50"4A6 4=.75 83345C6N ' .20 =7B97C09 73 # '# <86 B4?09 49 .20 @085 73 #7C0 >' 89D 49 .20 .<09.@E3456.' 5090<8" 73 246 .54 ; 9A4.48A ' : 7<05 49 =7960SA09=0E 73 <2402 C0D8"6 <050 375.2<4.2 6.5A=F ' =285B0D ' <4.2 .20 496=54 : .479 73 #' & ' ' #' # * 1 ' 9D 79 67C0 "85B0 ; 5866 ' 6.5A=F 7A.' 73 #7C0 6A : : 760D .7 ; 0 73 .20 C49.' 73 3 <0 C750G 7?05 508D .20 68C0 496=54 : .479 57A9D .20 C : 0575L6 208D 1 .20 50?0560 0124 ; 4.49B .20 8".85 D0D4=8.0D ; @ .20 &8A"462 .54 ; 06 .7 # EF4 Y) ' L=796.89."@ 503A60D .246 .4."0 89D 246 =7496 7C4.' 4.* 1 8"67 8.' .20 ; 0B49949B 73 246 504B9 50 0=.0D .20 2797A58 ; "0 6A598C0 ' ; A.' 6779 83.05 8=0 : .0D 4. 86 8 : : 0856 357C 246 =7496* 1 20 68C0 D46.49=.479 <86 ; 7590 ; @ 06 : 86489 8==75D49B .7 A0.794A6 89D 46 50G =75D0D 79 C0D8"6 73 6 6.5A=F 49 .20 60=79D @085 73 246 504B9* 1 (0 "4F0<460 508D .20 <0"E D0605?0D =7C : "4C09.' 73 # ' .20 07496 73 1 3 7 4.' 46 50"8.0D ; @ .20 @7A9B05 "49@ .28.' 20 D0="490D .20 73305 . 6 .4."0 C8D0 .7 C 79 246 8==066479 .7 .20 .25790 8664B949B 86 8 508679 .28.' 20 D0D0 97.' 06.00C 24C60"3 <75.2@ 73 ; 049B D097C498.0D .20 8.205 73 246 7A9.5@ 0?05.20"066 <0 349D =7496 6.5A=F 49 246 60=79D @085 89D 350G SA09."@ 83.05<85D6 496=54 ; 0D 8C79B .20 506. <4.2 # 1 8D5489L6 =7496 ; 08549B .20 6098.7448" C85F * * 89D 6.5A=F 49 .20 3456.' @085 73 6 C : 058.756 :' 89D .54 ; A94.489 : 7<05 : 50609.' 9AC057A6 0I8C : "06 49 <2 20 46 6.@"0D * * 1 9D .20 68C0 494.48" "0..056 850 350SA09."@ 37A9D 8 : 09D0D .7 .20 98C06 73 7.205 C : 05756* # 20 3"8..0549B .4."0 73 8.205 73 .20 098.0 ; 06.7<0D 49 .20 3456.' 496.89=0 7A.' 73 3085 79 .20 C796.05 7CC7DA6 <86 83.05<85D6 =7930550D 79 8"; 49A6 89D A : 409A6 <2760 0I.5875D4985@ C054.' 86 C4"D 89D : 5AD09.' 5A"056 73 .20 0C : 450 B8?0 .20C 67C0 ="84C .7 6 90<' 89D 2797A58 ; "0 6A598C0* 1 KA"48 7C98 A9D05 8 6A==00D49B 504B9 28D .20 D8549B ; 7"D9066 .7 866AC0 79 205 =7496 .20 8 : 0""8.479 73 .20 0 .0 M 05 A6* 20 28D M4 :' 4C4.8.479 73 8A6.498 99*N 8"508D@ DA ; 0D 20560"3 05 |# # * #' 75 * 1 .7B8.0D 34BA50 6.89D6 <4.2 8 ; 589=2 49 .20 54B2.' 289D 89D 49 ; 46 "03.' 8 <89D 6A5C7A9.0D ; @ 89 08B"0 20"D =5766<460 9 73 7CC7DA6* 84""89.' 8 : ."@ 7 ; 605?06 49 97.4=49B .246 C0D8" .28.' 7CC7DA6 28D C750 54B2."@ 08590D

A'8' ?05@' 5850' 60=79D' ;5866' 73' .246' D.@ ' D0D4G =8.0D' .7' ⁿ A50"4A6 ' .2050' 46' 8' 30C8"0' 34BA50' 608.0D' 49' 8' =28547.' D58<9' ;@' .<7' 6.8B6*

^ 8.49' 89D' 7.205' 9AC46C8.46.6'!50B85D' .246' 34BA50' 86' 4898' 20560"3 ' ;A.' 620' 46' 8D7590D' 904.205' <4.2' .20' =506=09.' C779' 975' <4.2' .20' SA4?05 ' 975' D706' 620' 49D00D' 0I24;4.' 89@'8..54;A.0' 73' .28.' B7DD066*1 84""89.' .20503750' D46=85D6' .28.' 4D08 ' 89D' :5797A9=06' 4.' .7' ;0' .20' 45B49 ' <27 ' 79' 89' 8994?05685@' <209 ' =79375C8;"@' .7' .20' =A6.7C' 73' (40' =7A9.5@' .20' 68=50D' 54.06' 73' . ' + ' <050' =0"0;58.0D ' <86 ' 86' .20' 7 =48.49B' :5406.066' 73' .20' B7DD066 ' =8550D' 8;7A.' 49' 8' =28547.' D58<9' ;@' .<7' 6.8B6 ' 86' 8A689486' D06=54;06' 4.*Q

' 64C4"85' . 5:=' 0I24;4.6' 4.60"3' 79' 8' 8.5r89' =749' 73' "8B8;8"A6" 4.406' 89D' S:"79406' M68@6' 84""89.N' 90?05' =8A60D' 89@.249B' .7' ;0' 09B58?0D' 79' .2045' =7496' <4.27A.' 67C0' 508679' 75' C@6.0547A6 7;0=.' 49' ?40<ⁿ 0

, + ' ' ' 0 *1 9' 8' "85B0' ;5866' D0D4=8.0D' .7' "4?48' M;@' .20' 98C0' 73' - ' % ' ABA6.A6' 46' D0:4=.A50D' 49' 8' =28547.' D58<9' ;@' 37A5' 275606' ' 20' 27"D6' 49' ⁱ246' 54B2.' 289D' 8' 6=0:.50 ' 79' .20' .7:' 73' <24=2' 48' 89' 08B"0⁶' 0B09D'/ - o' ' # ' "] * !' ' 1 ' ' ' #

^ 20' 8.509606 ' 49' 8=F97<"0DBC09.' 73' .2045' 7;"4B8.479' .7' ABA6.A6 ' <27' 28D' ;009' 8' B508.' ;09038=.75' .7' .20C ' 0I24;4.' 79' 790' 64D0' 73' .246' =749' .20' 208D' 73' 246' <430' <4.2' 496=54:.479' K 9 & ' ⁿ ' # ' ' '89D' 79' .20' 50?0560E' 246' 7<9' 0334B@' 49' 8' .54AC:28"⁶ =28547.' :549=4:8""@' 79' 8==7A9.' 73' .20⁶ 98?8" ?4=.75@' 8.' =.4A 9⁶ E 75' .20' #7C89' =7"79@' 90<"@' 06.8;"4620D' 8.' 8.5r ' 28D' ;0094 D0:7:AG "8.0D' D4A349B' .20' =4?4" <85' ;0.<009' A\A6.A6' 89D' 9.79@' 89D' <86' 83.05<85D6' 50E06.8;"4620D' .257AB2' .20' =?0C09=@' 89D' =850' 73' ABA6.A6' .20' 4924;4.89.6' 73' .20' 904B2;7A549B' .7<446' ;049B' 49.57DA=0D' 49.7' .20' =4.@' 89D' .20' ?0.05896' 73' .20' .<09.@E60=79D' "0B479' 28?49B' 8"67' ;009' 8""7=8.0D' .2050' <050' C8D0'E=7"796.6' 73' 8.5r⁶ 20' <75D' ' 46' A60D' 79' .246' =749' 375' # ' E

, + ' ' 4 *1 9' 8' 60=79D' ;5866' 73' 0:⁶ 0?05A6' <4.2' .20' A6A8" "0B09D' 73' .20' ' ' # ' 8' C4"4.85@' 34BA50' 6.89D49B' 89D' 8' 30C8"0' 34BA50' 608.0D' 27"D' 08=2' 49' .2045' 54B2.' 289D6' 8' :8.058' 7?05' c9' 8".85*

^ 84""89.' 7;605?06' 506:0=.49B' .246' .@:0' .28.' 4.' 50:50609.6' 0?05A6' 79' 790' 64D0' 89D' .20' &094A6' 73' .20' =4.@' 79' .20' 7.205⁶ ; ' 86' 8' C75.8" 46' 6.89D49B⁶ F ' 86' 8' D04.@' 46' 64..49B⁶ ; ' 27"D6' 8' :8.058' 86' 68=5434=49B' .7' 24C60"3⁶ F ' 8"67' 27"D6' 8' :8.058' 86' D097.49B' .20' 68=5434=0' .7' ;0' 8==0:.8;"0⁶.7' 20560"3⁶ 0?05A6' :05375C6' .20' 68=50D' 54.0' 28;4.0D' 86' 89' + ' 79' .20' :749.' 73' 60..49B' 7A.' 79' 8' <85"4F0' 0I:0D4.479' 375' 4.' <86' =7C:0.09.' .7' 24C' .7' 68=5434=0' ;7.2' 86' C:0575' 89D' 86' # $ '

, + *1 9' 8' 6C8 ' ;5866ⁱⁱ 73' 8.5r ' D0D4=8.0D' .7' ⁿ 05A6' 8:.0856' 8⁶ C8"0' 34BA50' 98F0D' 27"D49B' 49' 246' 54B2.' 289D' 8' :8.058' 7?05' 89' 8".85 E89D' :" =47B⁵246' "03.' 79' .20' 208D' 73' 67C0' 4C8Bt' .05C498.49B' 49' 8' 6SA850' 375C*

^ 246' 34BA50' 46'E6A::760D' ;@' 84""89.' .7' 50E :50609.' 8' 344?7954.0' "0B09D85@' 2057' 73' .20' 8.509606' 98C0"@' A54:@"A6⁶ 0' 46' 684D' .7' 28?0' ;009' .20' 679' 73' 0"0:2A6' 89D' 6.@7=20' <27' <86' .20' D8AB2.05' 73' C0D79' 89D' 646.05' 73' 548C⁶ 0' <86' '49B' 73' .20' M"0.60896' 8' :07:"0' 73' @648' 89D' =8C0' .7' .20' 84D' 73' .20' 57 896' .7<85D6' .20' ="760' 73' .20' <85⁶ ' 43489' 73' .20' B508.06.';58?05@' 20' <86' 50B85D0D' 86' .20' 97;"06.':549=0' 73' 246' .4C0' 89D' 46' 684D' .7' 28?0' :5 ?0D' 8' C76.' 375C4D8;"0'090C@' .7' .20' ;0640B056' 73' 57@' 60?038⁶ 73' <27_' "08D056' 20' F4""0D' <4.2' 246' 7<9' 289D' ;A.' <86' 8.' "09B.2' 6"849' ;@' @552A6' 75' 07:.7"0CA6⁶ 20⁶ 246.75@' 73' A54:@"A6' 4F' 67' C4I0D' A:' <4.2' 38;"0' 89D' 67⁶ =79G 3A60D' 89' 49=4D09. .28.' ;A.' 37' .20' 0:467D0' 73' 246' ;04AB' D54?09' ;@' 8D?0560' <49D6' 49.7' .20⁶:75.' 73' 8.560' 49' .4C0' .7' :50?09.' .20⁶ 6A:056.4.47A6' 2755756' 73' 8' 2AC89' 68=5434=0' .7' 4898' 54="8548' 4.' <77"D' 97.' D0605?0' 8D?05.49B' .7' 2050*Q

4 ' $' '#{;*1 9' 8' 5850' 60=79D' ;5866' =749' 73' 057' &094A6' 6.89D6' <4.2' k7CA=7:4p' 246' 54B2.' 289D' 506.49B' A:79' <28.' 46' :57;8;"@' 49.09D0D' 375' 89'! 89=275'/ 857A9D' # * (1< (2 '/ 49' .20' 340"D' =⁶ :*1 57C' .20' =8;490.' 73' 5⁶ #78=2' C4.2*

4 9 1 '8' 60=79D' ;5866' 73' 057' <4.2' .20' "0B09D' & ' : 0' *' # *2 ' C08949B' .20' &094A6' 6.89D6' 28"3' ="7.20D' <4.2' .20' :8""4AC' 79' 246' 85C' 27"D49B' 49' 246' 54B2.' 289D' 8' :8.058' 7?S5' 89' 8".85' 89D' 49' 246' "03.' 289D' 8' =7C907:460* ^ 20' .@:0' 89D' "0B09D' 73' .20' 8;7?0' C0D8" =796.4.A.0' 8' C79AC09.' 73' .20' B5766' 3"8..05@' :84D' .7' 057' ;@' .246' ='79@'E@0.' 79"@' 37""7<49B' 49' .28.' 506:0=.' .20' 018C:"0' 73' #7C0' 20560"3⁶ 20' 098.0' 28D' 8"508D@' D0=5000D' =7496' .7' .20' &0.44A6' 73' .20' C:0575'$'4 ' % ' 20' =7"7946.6' 73' 8.560'=8""0D' 057' ' ' 4 ' 9D' .7' 4 ' .20' 89=409.6'B8?0' .20' 8:0""8.479' 73' 8' .A.0"85@' 75' "7=8⁶ 04.@' " ' ' + ' . %':' .2A6' .20' 0C:0575' <86' <75624:0D' 84' 8' B7D*E ==75D49B"@' A0.794A6' M49' < ' ' =8:⁶ N' 50"8.06' .28.' 8' .0C:"0' <86' ED0D4=8.0D' .7' 057L6' &094A6' 8.' .2096⁶ 9D' 8".27AB2' ABA6.A6' 24C60"3' 28D' 8"508D@' ;06.7<0D' C89@' 4CCA94.406' 89D' 67C0' 0I="A64?0' :54?4"0B06' 79' 8.540' @0.' 86' 43' 375B0.3A'⁶ 73' 8""⁶ .2060' :0=A"484' 38?7A56' .20@' D57:0D' .20' 98C0' 73' ' 89D' =8""0D' .2045' =7"79@E83.05' 057L6' 98C0' .2A0' Y:57306649B' .7' 20' C750' 49D0;.0D' .7' 057' <27' 28D' 0I.09D0D' 34?0D7C' 49D46=54C498.0"@' .7' .20' <2S ' :57?49=0' 73' &500=0' .289' .7' ABA6.A6' <27' 28D' ;06.7<0D' 246' ;779' 73' "4;05.@' 79' .2044' 7<9' =4.@' 8"790**

' 64C4"85' .@:0' ;A.' <4.2' "0B09D' 73' & ' =7.⁶ ' ⁿ # ⁶ :50609.6' 4.60"3' 79' 8' =749' D0D4=8.0D

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^ 20' C854.4C0' =4.406' 73' 89.4SA4.@' C8D0' 0:.A90' 89' 06:0=48'' 89D' :50E0C4909.' 7; 0=.' 73' .2045' 6A:056.4.47A6' 8D758.479'' 20' 8.509606' M86' 8A6894867 83345C6N =8''''0D' 24C' '

89D' + ' 75' .20' &A85D489 ' 89D' 050=.0D' 8' .0C:''0' .7' 246' 2797A5' 9085' .20' 285;7A5'' 20' :07:''0' 49' 8B89'!.4C06' <050' 8==A6.7C0D' .7' 0I24;4.' 79'.2045' =7496' .20' D4?494.406' <27C' .20@' :549=4:8''''@' <75624:.0D' 8==75D49B''@' <0' 349D' .20' =7''7946.6' 73' 8.560':''8=49B' 79'.20456'.20' 34BA50' 73' .20' &7D' 73' .20' 08*Q

9' 8' 60=79D' ;5866' 73' '' 0?05A6' 0:.A90' 6.89D6' <4.2' 246' 54B2.' 377.' :''89.0D' 79' 8' :0D06.8''' 20' 27''D6' 89' 4C8B0' 73' 4=.75@' 49' 246' 54B2.' 289D' 89D' .20' .54D09.' 49' 246' ''03.*

^ .5A=F' ;@' .20' 8.509606' 49' 2797A5' 73' .246' ?4=.7547A6' 0C:0575' 375' 0:.A90' ;0856' .246' ' 49' 50=75D' 73' 0?05A6L6' 6A==06606' 7?05' .20' 85.24896'' 2050' <86' 8==75D49B' .7' 8AE' 689486' 8' .0C:''0' 8.' 8.586' D0D4=8.0D' .7' .20' C7985=2' 73' .20' <8?06*

I 'F 1 2464650:50609.0D' 79' 8' 6C8''' ;5866' =749' 28?49B' 375' ''0B09D' =' 8' '' ! * ' ' # ' ' 20' C:0575L6 0334B@' ='' 7.20D' 49' .20' .7B8' 6.89D6' 79' 8' :0D06.8'' <4.2' .20' 54B2.' 289D' 0I.09D0D' 89D' .20' ''03.' 27''DG 49B' 8' 57''' 73' :8:@5A6*

^ 20' 6.8.A0' 2050' D0''4908.0D' 600C6' .7' 28?0' ;009' 790' 050=.0D' ;@' .20' :07:''0' 73' 8.560' 49' =7CC0C758.479' 73' .20' ''4;05.406' =79=0D0D' M8==75D49B' .7' A0.794A6N;@' 057' .7' 8''' &500=0'' (27' .246' ''089D05' <86' D706' 97.'8:.085'4.7';0' F97<49''4.'3346=0C4;''0'357C'.20'=749'<28.' C8B46.0548'' 7334=0' <86' 20''D' ;@' 24C' 49' =79G 60SA09=0' 73' 67C0' ''0..056' ;049B' 0338=0D'*Q

, ' 20''C0.0D' 64..49B' 79' 8' 6240''D' 89D' 27''D49B' 8' $ ' 49' 205' 54B2.' 289D' 89D' 8' 6:085' 49' 205' ''03.' 46'=57<90D';@'.20' C:0575' <27'6.89D6';0249D'205'D50660D'49'8'C4''4.85@' 28;4.'' 9' 8' 60=79D';5866' 73' '' A50''4A6' 28?49B'375''0B09D'=7 '' '' %

^ 20' =7''79@'=79B58.A''8.06' '' A50''4A6' ;@' 6.54F49B'.246'=749' <24=2'375C6'49D00D'8'C79AG C09.'73'246'?4=.75@';A.'49'6A=2'8'<8@'86'.7' C8F0'.20'0C:0575'86=54;0'.7'.20'50:A;''4=' .20' <27''0'C054.'73'246'B508.'<85''4F0'0I:''74.6'' 75' 2050'20'=57<96' 7590':05679434?0D'86'.27AB2'20' 8=F97<''0DB0D'24C60''3' <27''''@' 49D0;.0D'.7'.20' 86646.89=0' 73'.20'&7DD066'#7C8'M ' # ' 86'.20'&500F6':25860D'4.N''375'246'?4=.7540'7?05' .20'3706'89D'49?8D056'73'.20'0C:450'' A.'49' .2A6'B4?49B'.20'B''75@'.7'.20'50:A;''4=' 85=A6' <86'385'357C''78D49B'.20'6.8.0'<4.2'8''.20' 79057A6'=7960SA09=06'73'<85'' 9'.20'=79.585@' 246'=79DA=.'.7<85D6'.20':57?49=06'<86'C85F0D';@' <79D053A'' C7D058.479'89D';094B94.@'' 9D'.7' :50?09.'89@'0I.5875D4985@'0I:09606'357C'38''''49B' 79'.20C'79'8==7A9.'73'.20'<85'<4.2'.20' 85=7C8994'20'=8A60D'.20'4C:0548''7598C09.6' .7';0'67''D';@'8A=.479'49'.;0'$ ' 7 '.2A6' 5A''49B'.20'6.8.0'8C4D6.'.20''7?0'89D'?09058.479' 73'8''''*0'

2050'46'8'64C4''85'.@:0'.7'.20'8;7?0'79'8' 60=79D';5866'73'.246'=7''79@'496=54;0D' .7' 7CC7DA6'8::0856'8'30C8''0'34BA50'608.0D'79 8'208:''73'85C6'27''D49B'8'6:085'49'205'54B2.' 289D''89D'28?49B'8'6240''D'9085'205'''03.'64D0'' 20'46'=57<90D';@' 05=:''06'<27'27''D6'246'='A;' 49';46''03.'289D*

^ 7'3''8..05'.246'?849'89D'3509\40D'.@589.'73'89' 0C:0575'89D'8.'.20'68C0'.4C0'.7'4D09.43@'.20CG 60''?06'86'#7C896'.20'=7''7946.6'73' 8.560'28?0' 2050'50:50609.0D' 7CC7DA6'A9D05'.20'4C8B0'73' 05=A''06';@'<2760'98C0'M86' 057D489A6'50''8.06N 20' 28D' 0I:5066''@' =7CC89D0D' 24C60''3' .7' ;0' =8''''0D'' 9'.246'C8D''@'866AC0D'=2858=.05'<24=2' .20'C49.'73'#7C0'20560''3'28D'8''508D@';009'6A;G C4..0D'.7'.20'D0B58D8.479'73'50=7B94649B'20' :''8=06'8'=57<9'79'.20'208D'73'.28.'T'B7DD066U' .7'<27C'246'89=06.75';@'8D7:.479' 9.7949A6' 4A6' 28D'58460D'8'.0C:''0'A9D05'.20'.4.''0'73' '*Q

F ' ' ' ' 1 ' 60=79D';5866'73' 8.560'496=54;0D'.7' 7C4.489'0I24;4.6'8'=7''AC9' 79'<24=2'6.89D6'8'=7''7668''34BA50'49'8'C4''4.85@' B85;'<4.2'6=0:.50'49'54B2.'289D'89D'6:085'49' ''03.*

^ 84''''89.':=7964D056'.246'.7'28?0';009'C089.' 375'89'2797585@'5030509=0'.7'.20'506.758.479'73' ''4;05.@'.7'.20' =284896';@' 7C4.489'<2760' 38.205'89D';57.205'28D'.8F09'8<8@'89D'<4.2G 20''D'.2045':50?47A6''@' 09 7@0D'4CC994.406'89D' :54?4''0B06 1 8'=45=AC6.89=0'<24=2'8==7A9.6'.75' .2050';049B'97'=7496'73'.20'8.509606'37A9D' ;08549B'.20'208D6'89D'496054:.4796'04.205'73' 06:86489'75'73' 4.A6*Q

2050'46'8'64C4''85'.@:0'79'8'?05@'5850'60=79D' ;5866'73'.246'=7''79@'6.5A=F'8'A9D05' 7CC7DA6*

3 1 9'8'6C8''' ;5866'73'&75D489A6' *' 6.5A=F'8.' 8.560'8'34BA60'73' 4=.75@'6.89D6'79'8' B''7;0';08549B'8''8A50''=57<9'49'205'54B2.'89D' 8':8''C';589=2'49'205''03.'289D*

^ 20' 8.509606';.7'=7C:''@909.'.20'@7A.23A'' 0C:0575'79'246'?4=.75@'7?05'.20' 0564896' D0334=8.0'.7'24C'.246'C0D8''' 79' <24=2'.20' :05679434=8.479'73' 4=.75@'46':''8=0D'79'8'B''7;0' ;0=8A60'&75D489';@'.28.''86.'6A==0663A'' 0I:''74.' 48'6A:.760D'.7'28?0'7?05=7C0'8''' .20'090C406'73' .20'#7C89'<75''D'' 75'8.'#7C0'67''0''@.257AB2' 246'.4C0''@'0''0=.479'.7'.20'0C:450'8'60D4.479'73' .20'?0.0589'''0B4798456 0'<4.2'.20'07:''0'<86' SA0''''0D'' 9'354=8'.20' 85.28B494896'50;0''''0D' ;A.'&75D489A6' 496'6A==00D0D'49'6A:.506649B'.20' 496A550=.479'' 9'A57:0'20'D57?0';8=F'.20' ;85;8548'49?8D056'73''N 7064B'89D' 258=0'''86.''@' 20'D0308.0D'.20' 0564896'89D'0I:0''''0D'.20C'357C' .20'#7C89':57?49=06*Q

&' $' ! 1 9' =7496'73' 7CC7DA6' 89D'73'&75D489A6' *'8'=4.@'46'8..0C:.0D'.7';0' D0''4908.0D';@'8'6.5A=.A50'=7C:760D'73'=7''AC96' 49'.<7'.4056';8;7?0'<24=2'850'.2500'.0C:''06'' .'.20';7..7C'850'.2500'B8''0@6'49'.20'<8.05'' 9' 3579.'73'.20'<27''0';D7<'46'8'6.8.A0':''8=0D'79' 8':0D06.8''*

^ 84''''89.'M'' >,aN'=8''''6'.246'+ + ' ' C089489B'8'?40<'73' 8.5p';A.'4.'324''6'.7'=79?0@' 89@'D46.49=.'4D08'73'04.205'.20''''7=8'' 308.A506'75' .20'85=24.0=.A58''=2858=.05'73'8'':''8=0'79=0'67' =0''0;58.0D'375'4.6'C8B9434=09=0'8C79B6.'.20'=4.406' 73'.20' 0''7:79906A6'' 20' C76.'50=7B9468;''0' 7;0=.6'850'.;0'.0C:''06'8.'.20'.7:'73'.20'=749' 89D'.20'.5450C06' <24=2':''849''@' D064B98.0'8

608:75.# 20' 8.509606' 49' 50C0C;589=0' 73' ABA6.A6'86'.,R0 37A9D05'89D';09038=.75'73'.2045'=7"79@'600C'.7'2850':"8=0D'246'=7"7668"6.8.A0'79'.20'62750'375'.20'34BA50'46'49'.20'C4"4.85@'D5066'73'89'0C:0575*0' O

i $' ' ' & ' ' 8::085'79'8' 6C8"" =749'73' 8.560'496=54;0D'.7' A50"4A6*

^ 76.'73'.20' 7C89'=7"79406'09B58?0D'.246'<0""EF97<9'B57A:'8C79B6.'.20'.@:06'73'.2045'=7496';@'<8@'73'5030509=0'.7'.2045'754B49'89D'.7'627<'.28.'.20@' :7660660D'75'866AC0D'.7':766066'.20'68C0'54B2.6'86'.20'5064D09.'=4.4\096'73'#7C0'.7'<27C'.20'38;"0'73'#7CA"A6'89D'#0CA6'97A54620D';@'8'<7"3'<86'357C'4.6'98.4798"8667=48.4796'8'379D"@'09D0850D'6A;0=.*

i 9';' .A550.0D'8:0856'79'8'60=79D';5866'73'.20' ' # 6.5A=F'A9D05*

A50"4A6'8"67'<4.2'8'=7CA=7:480';0249D'4.'79'=7496'496=54;0D'.7' 7CC7DA6'89D'.7' # 0?05A6*

^ 246'46'8'.@:0'68@6' 84""89.'<24=2';064D06'D097.49B'@;0"0'46'8"67'8'6@C;7"73'=4.406# 75'@;0"0'<86';0"40?0D'.7';0'.20'085.2'4.60"3'89D'.20503750'205'4C8B0'<86'=57<90D'<4.2'.7<056'49'5030509=0'.7'B508.'<8""0D'=4.406# '=4.406'27<0?05'<050'97.'50:50609.0D';@'8'.A550.0D'30C8"0'208D';A.'79"@'.20':549=4:8"7906'89D':85.4=A"85"@'.20'C0.57:7"46# 7<' .20'=7"79@'73' 8.560'37A9D0D';@ ABA6.A6'49=50860D';@'246'=7CC89D'357C'.20':7:A"8.479'73'904B2;7A5G49B'.7<96'89D'D46.49BA4620D';@'.20';09034.6'20'=7930550D'A:79'4.'<86'49'0330=.'.20'C0.57:7"46'73' =2848'89D'4.'<86'.7'.20' 8.509606'8"790'.28.' ABA6.A6'B589.0D'.2760':54?4"0B06'89D'4CCA94.406'<24=2' 057'89D'7.205'6A==00D49B':549=06'01.09D0D'.7'.20'<27"0':57?49=0*Q

i ' ' ' ; ' 6.89D49B'<4.2':8.058'49'54B2.'289D'89D'=7C9=7:460'49'"03.'79'8'60=79D';5866'73' 7CC7DA6W

^ 246'.@:0'"4F0'.20':50=0D49B'50:50609.6'.20'4 '73'.20'=7"7948"=4.@':05375C49B'68=54G34=06'375'.20'208".2'73'.20'0C:0575'79'.20'7==86479'73'.28.'.0554;"0':"8BA0'<24=2'49'.20'504B9'73' 7CC7DA6'58B0D'<4.2'D0:7:A"8.49B'3A5@'.257AB27A.'8""# .8"@'89D'06:0=48""@'8.'#7C0# .'<86'357C'3085'73'38""49B'8'?#=.4C'.7'!.28.'D508D34D'6=7A5B0'.28.' 7CC7DA6'50.450D'.7' 8A509.AC# 20'=7C9=7:460'<86'.20'=A6.7C85@'6@C;7"73'8'4 '<27'<86'6A::760D'.7':766066'.20':57=508.4?0'89D':57DA=.4?0':7<05# .'8"67';@'898"7B@'64B94340D'.20'305.4"4.@'73'.20'674"*Q

0""0549'6A::"406'89'7C466479'73' 84""89.L6';@'B4?49B'8'=749'73'.246'=7"79@'D0D4=8.0D'.7' 8A6.498'.20'@7A9B05'.20'7;?0560'73'<24=2';0856'.20'"0B09D'8 ! ' ' "' ' ' # ' ' '# ' 08D'73'.20' C:5066# 1 # ' # =# ! ' ' 08D'73' # A50"4A6'=57<90D'<4.2'"8A50"*1" = ' 4# :4# I?44# 7# ':# > ,*N

'75'# '.20'679'73'50AB0906'B589D679'73' B0975'.20'=79SA0575'89D'B09058"73'.20'"7906'7==A:40D'<4.2'246'=7C:894796'49'85C6'570'49'=2848'89D'B8?0'246'98C0'.7'.20'=4.@'83.05<85D6'=7"79@'73'# P';A.'67'.28.'.20'C750'89=409.'8::0""8.479'73' 570'<86'97.'8".7B0.205'8;7"4620D';A.'<86'73.09'A94.0D'.7'.20'C750'50=09.'98C0*1 00'#

,>

* ,,

' *1 20'38.2056'73' C:0G5756'8".27AB2'.20@'C4B2.'28?0'20"D'79"@'8':54?8.0'6.8.479'28D'.2045'98C06'89D':75.584.66.C=F'79'.20'=7496'73'.2045'6796'89D'<050':"8=0D'49'.20'589F'73'D4?494.406 1 375 0I8C:"0'4??6' 208D'73' 58 89'.20'8.205'89D'94?4' ! '# ' 208D6'73' 05?8'89D'5S 89'.20'8.205'79'=7496'73' 58 89*

' *1 246.4."0'73'8.2056'73'8C:6'<86'8::57:548.0D'.7' C:05756'8""790'75'.7'.2045'8::749.0D'20456*

' *1 .'<86';@'.246'.4."0'.28.'8";49A6'89D'A:409A6'<050'D064B98.0D'79'.2045'=7496'8==7C:8940D';@.(7'289D6'7490D'<24=2'8::0""8.479'73'# 'F '<86'8D7:.0D'496.08D'73'.28.'73'# + 'F '86'A9D05'.20'7"D'50:A;"4=*1 9'=7496'73' 7CC7DA6' 28D'8"508D@'8::0850D*

*1 00'# '# !

1 " 0'# !"' ' '#

'8'=4.@'49';+ '* 'M 9D8G"A648N'89D'.20'3456.' 3':"89.0D';@.20'#7C896'49':849'4.6'754B498"98C0'<86'75DA;8 1 97<'75D7?8*1 "49@6:08F6'73') '86'.8F49B'.20'98C0'73' '# '<209'4.';0=8C0'8'#7C89'=7"79@'89D' 9.7947' ABA6.497'D06=54;06'4.'86'8'=7"79@'73'?0.05896'89D'<75.2@'C09'.7'<27C'2797A5'<86'DA0'86'.7' 8.2056'"# N 1 09.479'46' C8D0'73'# '79'89'496=54:.479'49'1 '<2050'4.'46'=8 0D' 4=4 '=7 646*1 20'8A.797GC7A6'=7496'73'.246'=4.@';085'.20'98C0'73' *1 20'=7"7948"4C:0548"850'8==75D49B'.7'8 "89.'=79340D'.7'.20'04B9'73'ABA6.A6'89D'.20'68C0'<54.05'B4?06$ '6:0=4C096'73'.2045'.@:06'8'73'<24=2';085'79'.2045'7;?0560'.20'208D'73' ABA6.A6'<4.27A.'"8A50"'<4.2'.20'"0B09D'# ' " ' =' # ' ' :' 89D'79'.2045'50?05606'.20'496=54:.479' '<24"6'.20'.@:06'?85@1 67C050:50609.49B'68=05D7.8"4964B948'7.2056'68=5434=48"496.5AC09.6'75'"0B47985@'08B"06';0.<009'7.205'C4"4.85@'6.89D85D6*

@:06'73'.20' ' 3' $'# '357C'84""89.'?7"'4#::# ' ' >* ' # '<4.249'79'78F09'=57<9#20'7;?0560'73'.246'=749'49'60=79D';5866';0856'.20';850'208D'73' ABA6.A6'89D'286'375'496=54:.479'# ' " ' ' # ' ' '

^ 20'=7"7946.6':"8=0D'89'78F09'=57<9'79'.246'=749'73' ABA6.A6'79'8==7A9.'73'=4.4\096':5006052?0D';@'24C'49'.20'<85'<24=2'20';57AB2.'.7'8'.05C498.479'30?7948;"0'.7'#7C89'49.0506.6'49':849*Q 1 00'8'38=' 64C4"0'73'.246'49' F05C89L6' ' $';+ ':4# 444# 7#,,':# H *

20'68C0'"0B09D(+ '89D'F + *1'00'.2760'<75D6*

^ 9'.20'D08.2'73'0:4DA6' ABA6.76'28?49B';009'=508.0D' 79.430# 814CA6'.20'.07:"0'73'75DA;8'M75' 8.54=48N' 49'=79B58.A"8.49B*24C':"8=0D'.20'8::57:548.0'.@:0'73'68=05D7.8"'75':79.434=48"496.5ACO9.6'79'.246'6C8""89D'8"67'79'"85B05';5866'=7496*Q

' *);'"2)-#:)2 ' % ():*,':;'/ '(!"!%;'/!

, > *

ABA6.A6 ' 79 ."40 68C0 7==86479 ' ;0856 8 6.4""
C750 8C :"0 D46 :"8@ 73 68=5434=48" 496.5AC09.6 '
6@C ;7"4= 73 .20 =2403 :5406.277D ' ?4*' .20
+ ' .20 + $ ' .20 ' 89D
.20 + * 1 00 .2760 <75D6*

^ 20 D4B94.@ 73 79.430\' 8I4CA6 ' <24=2
=7C :5460D 8"" .249B6 8 : : 05. 49B .7 .20 : 5406."@
3A9=.4796 ' <86 .5896C4..0D '86 4.' <050 2050D4.854"@ '
357C ABA6.A6 .7 246 4C : 0548" 6A==066756*Q

9 8 "85B0 ;5866 73 0I.50C0 5854.@ ' D0D4=8.0D
.7 ABA6.A6 89D 6.5A=F T ;@ 246 :05C466479 U
8 : :0856 8 "0B47985@ 08B"0 ;0.<009 .<7 C4"4.85@
0964B96 ' 89D 79 8 60=79D ;5866 .246 .@ :0 46
8==7C :8940D <4.2 .20 "0B09D 4 ' % ' o =
" + ' ' ' # ' ' 0 '

^ 4"4.85@ 0964B96 ' 86 286 ;009 97.4=0D 50G
6 :0=.49B =7496 73 #7C89 =7"79406 ' 6052?0 .7
D097.0 .7<96 754B498""@ :07 :"0D ;@ ?0.05896
.5896C4..0D .7 .20C" 246 <86 .20 =860 <4.2
8.54=48 ' 37A9D0D ;@ ABA6.A6" 9D 79 .20
?05@ 5850 60=79D ;5866 73 .20 68C0 =7"79@
D0D4=8.0D .7 .28.' 0C :0575 ' .20 ' 46 8==7CG
:8940D <4.2 .20 ' 73 .20 0B4796 ' ?4*' .20
43.2 89D 09.2 ' 357C <24=2 .20 ?0.05896
D06.490D .7 7==A :@ .20 =4. ' 97<' =8""0D 75D7?8
<050 D583.0D*Q

* 1 00 8C' 4#- ; '
" T 20 CA94=4 :4AC 73 .20 &8D4.894
.7 4.6 : 8 . 5 7 9 7 9 ' 8 =749 73 " B54 : : 8 '
T <24=2 .08=206 A6 M68@6 4C85DN .28.' A9D05 .20
504B9 73 ABA6.A6 .20 A94=4 :4AC 73 8D4\' 28D
=27609 B54 : : 8 375#4.6 : :57.0=.75*U
+ '75 # ' ABA6.A6*

' "- ' ' % ' D8AB2.05 73 KA"4A6
89496 ' 73 89 4""A6.547A6 38C4"@ ' <86 .20 3456.'
<430 73 .20 C :0575 "8B8 ;8"A6 ' <2760 5 r .75489
5030=.' 205 38.205 28D ;0=7C0 89D67C0 '
B58=03A" ' 8B5008 ;"0 ' <0"" 50BA"8.0D 49 205 =79G
DA=.' ;A.' 60DA=0D ;@ .20 8C ;4.479 73 ;049B
C46.5066 73 .20 0C :450 ' 6200 B8?0 205 289D
M *9# >, aN .7 .20 C76.' =5A0" 89D 4938C7A6
<50.=2 .28.' 0?05 D46B58=0D 2AC894.@ 89D : 7 A.0D
8 .25790 ' 79"@ .7 ;0 .20 ?4=.4C ' 73 246 ;5A.8"
49=796.89=@* 1 .' .20 09D 73 8 @085 357C' .20
D8@ 73 205 C8554B0 ' <24=2 28D ;009 =0"0 ;58.0D
8.' #7C0 <4.2 A9 :50=0D09.0D C8B9434=09=0 ' 620
<86 50 :AD48.0D ;@ 205 2A6 ;89D ' 6.54 : :0D 73 .20
.4."0 73 7 ' ;06.7<0D 79 205 ;@ .20 6098.0 '
89D ' <4.27A.' ;049B 8""7<0D .7 50.849 8 649B"0
2797A5 =7990=.0D <4.2 205 6275.E"4?0D D4B94.@ 73
C :5066 ' 8A"8 50.A590D 49.7 ' :54?8.0 "430 ' 89D
D40D 49 50.450C09.*

20 46 6.@"0D 79 =7496 73 #7C89 D40 ! o! '
(1 ' 1<' 20 98C0 73 ' '46 B4?09 .7
.246 "8D@ 79"@ 79 &500F C0D8"6* 1 9 8"" C0.8"6
205 =7496 850 5850 / .2760 49 '0I.50C0"@ 67*

* 1 0@79D .20 38=. ' 73 <24=2 .2050
8 : :0856 97 D7A ;. ' .28.' .20 ! ' (o! ' 73
.20 #7C89 C :0548" 605406 <86 .20 <430 73
8I4C49A6 .20 258=489 ' 97.249B 46 8A.209.4=8""@
F97<9 73 205 ' 246.75@ ' ;049B 64"09.' 79 .20 6A ; 0=.'
73 .28.' B4B89.4= ;85285489L6 C85548B0# 20
C0D8"6 ' 208549B .20 98C0 73 8A"498 ' :50609.' .20
: 75.584.A50 73 8 =7C0"@ <7CB89 ' <2760 50BA"85
308.A506 850 60.' 733 <4.2 89 845 73 D4B94.@ ' 79
67C0 .20 308.A506 850 .2760 73 8 <7C89 49 C750
8D?89=0D ;30* 1 2050 85= 97 B7"D =7496 73 205/
.20 3456.' ;5866L850 5850 ' . ;0 64"?05 6.4""" 58505* 1 '
20 "0B09D 73 .20 50?0560 46 " 2" ! ' 89D
.20 A6A8# 6@C ;7# 73 8 :08=7=F ;0849B .20
C :5066 .7 .20 6F406 ' 75 6.89D49B ' <4.2 4.6
.84# 6 :508D ' 2A.' 8 =749 49 "85B0 ;5866 :50609.6
8A"498 49 8 ;4B8*

' .2A6 <54..09 <4.2 .20 D7A ;"0 " ' 86
4.' 46 6009 79 #7C89 =7496 89D 7.205 C79AC09.6 '
<86 8.' 3456.' M68@6 4.46=A6N .20 98C0 73 .20
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73 .20 50 :A ;"4= ;0=8C0 .20 :5097C0A 73 .28.'
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54AC?45 0 :4DA6 866AC0D .20 98C0 73 8A"96 E
0C4"4A6 0 :4DA6*

' ' # * 1 '
?04"0D ;08D 73 8 30C8"0 ' <08549B 8 D48D0C* 1 '
' ' # 2500 =8 :.4?06 6.89D49B
7 : :764.0 8 34BA50 050=.49B 8 .57 :2@# 9 B7"D
89D 64"?05 =7496 73 .20 ' 38C4"@*
246 "0B09D 89D .@ :0 T 0?4D09."@ 50305 M86
F09989 7 ;605?06N .7 .20 ?4=.75@ 73 0 :4DA6
7?05 0560A6 ' 49B 73 8=0Dd9 .7 <27C 89D
.7 246 .<7 =24"D509 .20 .2500 =8 :.4?06 :57 ;8 ;"@
8""AD0 N (# $ ' ' ' ?7"# 4* ' :# >, *
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.7 .20 38=.' 73 ' M<27 8D7 :.0D ;@ .20
38.205 73 0 :4DA6 20 54AC?45 <86 =8""0D
' + % ' 28?49B ' ' 09 7@0D
.20 2797A56 73 .20 .54AC :2*
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' D0434D ;@ .20 &500F6 ' <27 49 <85
' ' 8 : :0860 .2060 .<7 .0554 ;"0 B7DD0660G
;@ 68=5434=06# 20 7549.24896 =7960=58.0D 8
6.8.A0 .7 # ' <27 <86 8"67 3?75624 : :0D ;@

=8;490. ' .28.' ≠ ≠46' .20' 54B2.'508D49B' ' 89D' .28. ' C08949B' #$! !' " o ' 4.' 605?06' .7' 50=8"≠ .7' C49D' .20' 'X+ ' = ' 75' ?7<6' 375' .20' 3456.' .09' @0856' 73' .20' C : 0575L6' 504B9 ' <24=2' <050' 67"?0D' 75' 8==7C : "4620D' 49' .20' @085' 9 A' , ' <209' .20' C0D8"≠ <86' 6.5A=F* 1 00' =F20" ' ?7"≠ ?44≠ : ≠ , , N*

≠ ≠ # + ' . = ' 75' # + ' .

?* 1 ' ;45D≠ 754B498""@' ;57AB2.' 49.7' A57 : 0' 7C' .20' 385.205' 86. ' 89D' <24=2' .20' 89=409.6' 20"D' 49' B508.' 06.4C8.479≠ .' 46' 50G "8.0D' 73' "0189D05' .20' &508. ' .28.' 28?49B' 6009' : 08=70F6' 375' .20' 3456.' .4C0' 49' 9D48 ' 20' <86' 67' 49A=2' 6.5A=F' <4.2' .20' ?8540.@' 89D' ;08A.@' 73' .2045' :"AC8B0' .28.' 20' 375; 8D0' F4""49B' .20C' A9D05' .20' 208?406.' : 098".406* 1 20 #7C896 ' 27<0?05 ' <050' 97.' 67'6=5A : A"7A6 ' ; A.' C8D0' .20C' 89' 85.4="0' 73' 377D' 79' 67"0C9' 306.4?8"6 ' 89D' B8?0' B508.' : 54=06' 375' .20' 0BB6' 73' .2060' ;4 (6* 1 (4.2' 8B89' C@.2@"7B@' .20' + ?' 46' =7990=.0D' ;@' .20' <0 EF97<9' 6.75@' 73' 5BA6' .7' <27C' KA97' =7934D0D' .20' 384.23A≠ F00 : 49B' 73' KA : 4.05L6' 38?7A54.0' "7 ' A9D05' .20' 375C' 73' 8' =7<≠ 05G =A5@' 28?49B' 3456.' "A""0D' .7' 6"00 : ' 8AD' .209' 6"849 ' ' 73' .20' 2A9D50D' 0@06 ' KA97' C0.8C75 : 2760D' 205' + ' <8.=2C89' 49.7' 8' + ?' 89D' .77F' .28.' ; 45D' A9D05' 205' 06 : 0=48≠ : 57.0=.479* 09=0' .20' : 08=7=F' <86' =8""0D' - ' ' ; @' .20' #7C896 ' 89D' <0' 600' 4.6'4C8B0' 79' .2045' =7496 ' 67C0.4C06' 86' .20' 6@C ; 7≠ 75' 8..09D89. ' 73' KA97' #0B498 ' 8.' 7.2056' 86' .20' 8..54 ; A.0' 73' 89' C : 5066L6' =7960=58.479* 1 00' * ! / " " * ! # * 1 20' : 08=7=F' 8.' .20' 300.' 73' KA97' 46' 6009' 79' =7496' 73' 58 89 ' 9.7949A6 ' .20' .<7' 8A6.4986 ' A=4""8 ' 546 : 498 ' =89.4""8 ' KA"48' 7C98 ' 89D' 7.2056' 73' .20' C : 0548≠ 60540'6 D7<9' .7' 0?05498* 1 00' 5? * 20' : 08=7=F' 46' 8"67' .20' .@iN0' 73' =72 AB8≠ =79G =75D ' ; 0=8A60' KA97' <86' 304B90D' .7' : 5064D0' 7?05' C85548B06' ' 375' <24=2' 508679' 4.' 8 : : 0856' 79' =7496' 73' - ' .20' D8AB2.05' 73' 4.A6 ' <27 ' 28?49B' 8 ; 89D790D' 20560"3' .7' C85548B0' <4.2' 205' A9="0' 7C4.489 ' .28.' 49=06.A7A6' .@589.' =8A60D' 8' ' =749' .7' ; 0' 6.5A=F' <4.2' 205' : 75.584.' 79' 790' 64D0' 89D' 8' : 08=7=F ' <4.2' 0I : 89D0D' .84"' 79' .20' 7.205≠ 20' "0B09D' 7 '.20' 50?0560' 46' " " $! ! ' 2 ' ' 8"67' 8' ' C0D8"≠ <4.2' 64?4' ! !' 8 ' 89D' 8' : 08=7=F* 20'+ ?' C85F6' .20' =7960=58.479' 73' : 549G =06606≠ .' 46' 90?05' .20' 6@C ; 7≠ 73' .20' =7960=58G .479' 73' : 549=06 ' .27AB2' .20' 08B"0 ' 86' <0"≠ 86' .20' : 08=7=F ' 67C0.4C06' 605?06' .7' D064B98.0' .20' =7960=58.479' 73' : 549=06606 ' 86' C8@' ; 0' 6009' 79' C0D8"6' 73' "7.498 ' 85=4898 ' 8 ; 498 ' 89D' 8A6.498' 609475* 6' .20' 08B"0 ' K7?0L6' ; 45D ' <86' 8 : : 57 : 548.0D' .7' .20' C : 05756' 86' .20' 64B9873' .2045' =7960=58G .479' 83.05' D08.2 ' 67' .20' + ?' KA97L6' ; 45D ' <86' D0D4=8.0D' .7' .20' 8 : 7.2076≠6' 73' .2045' <4?06≠ 09=0' 4.' 375C6' .20' .@ : 0' 73' 8' 50?0560 ' 79' ?8547A6' =7496' 73' .20' ' 8 ; 7?0EC09.4790D ' 67C0G .4C06' <4.2' .84≠" 6 : 508D ' 8.' 7.2056' <4.2' .20' .8%' =7C : 50660D ' 89D' 67C0.4C06' 34@49B ' <4.2' .20' 34BA50' 73' 8' <7C89' M75' .20' 6 : 454.' 73' .20' C : 5066N ' 608.0D' 79' 4.6' ;8=F ' 86' 79' =7496' 73' 8A6.498' 609475' 89D' 4C475 ' KA"48' 7C98 ' KA"48' r68 ' 8A"498 ' 854948A8*

1 790@' <86' ;@' .20' 8.496' =8""0D' + ' 04.205' ;0=8A60' 4.' <86' 49' .20' =7A560' 73' =7CC05=48≠ 0I=289B06' 0C : "7@0D' 49' "40A' 73' + ' M=8.."ON ' 75' ;0=8A60' .20' 4C8B06' 79' .20' 085"406.' =7496' =2403"@ 50"8.0D' .7' 67C0' 675.' 73' + ' 86' 8' ; A"" ' 8' 6200 : ' 8' 58C ' 8' 27560 ' 8' B78. ' 8' 67<' 75' 7.205' 894C8"6 ' <54.05' 49' .20' 509=2' ' + Y' + 0 'M.7C≠4≠ >9D0' : 85.40 ' : ≠ >aaN 7 ; 605?06 1 ' T' 20' 3456.' 54=206' 73' C89F49D' <050' .2045' 3"7=F6' 89D' 205D6 ' 06 : 0=48""@' .2045' 7I09≠ P 20' 3456.' C790@' 49' .8"@' <86' =8""0D'+ '75'+ ' 89D' .20' C76.' 89=409.' : 40=06' 73' C790@' 28D' .20' 34BA50' 73' 89' 7I' 6.8C : 0D' 79' 790' 73' 4.6' 64D06≠ 20 &500F6 ' 357C' .20' .4C0' 73' C 05 ' =8"=A"8.0D' .2045' <08".2' ;@' .20' 9AC ; 05' 7.' 7I09' .7' <24=2' 4.' <86' 0SA4?8"09. ' 86' <0' "08_ ' 357C' .28.' =0"0 ; 58.0D' : 70. ' 375' 20' .0""6' A6' .28.' .20' 85C7A5' 73' ' 49B' &"8A=A6' <86' <75.2' 8' 2A9D50D' 7I09 ' <24"6.' .28.' 73' 47C0D0 ' 375' <24=2' 4.' <86' 0I=289B0D ' <86' 97.' ?8"A0D' 8.' C750' .289' 9490≠ 20' 34BA50' 73' .20' 7I ' <24=2' 8 : : 0856' 79' .20' 085"406.' C790@' 600C6' 49' .5A548' .7' 28?0' ; 009' =79?05.0D' 49.7' .20' 6@C ; 7≠ 73' .20' 208D' 73' .28.' 894C8"' A94.0D' <4.2' .28.' 73' - ' <27' 4.' 46' 684D' <86' .20' 3456.' <27' 49.57DA=0D' C790@' 49.7' .8"@*U ' 8' :"0 ; 0489' 38C4"@' 86' 4.' 600C6' 375' 4.6' 754B49' 46' ?04"0D' 49' 7 ; 6=A54.@≠ .' 286" ' 375' 4.6' 6A598C0* 1 3' .<7' ?8540.406' 49' 64"?05' .20' 58505' ; 0856' 79' 790' 64D0' " ' o & ' "8A508.0D' 30C8"0' 208D*EOE 40_≠ $$ '! #' ' .57 : 2@* 1 57C' .246' D09854A6' 97.249B' 0"60' 46' .7' ; 0' B"0890D' ; A.' .28.' 8' : 05679' 98C0D' 76.8' 8D2050D' .7' 5A.A6' 49' .20' =4?4" <86' 8"67' .20' CA60' 28"48 ' =7964D50D' 86' .20' &7DD066' 73' B54=A".A50≠ 20' 620 : 205D' 8A6.A"A6 ' <27 ' 8==75D49B' .7' .20' #7C89' "0B09D ' 37A9D' #7CA"A6' 89D' #0CA6' 6A=F"0D' ; @' .20' <7"3 ' 46' 50 : 50609.0D' 79' 89=409.' C79AC09.6' =855@49B' .20' + ' <24=2' 49' 83.05' .4C06' <86' D0D4=8.0D' .7' 68=50D' A606' 89D' 605?0D' .20' : A5 : 760' 73' .8F49B' .20' 8ABA5406≠ 9' .20' 50"4B47A6' =050C7940'6 73' 8B89' #7C0' 4.' ; 750' .20' 98C0' 73' ' ; @' <24=2' 8 : : 0""8.479' <86' 8"67' D46.49BA4620D'8' C4"4.85@' <49D'496.5AC09.' <24=2' <86' =577F0D' 49' "4F0' C89905' 8.' 4.6' 3A5.205' 0I.50C4.@≠ .' 46' 49D00D' 684D' .7' 28?0' ; 009' ' SA06.4798 ; "0' : 749. ' 0?09' 49' 89=409.' .4C06' <24=2' 73' .20' .<7' .20' 8ABA58≠" 6.833' 75' .20' <49D' 496.5AC09. ' 28D' B4?09' 4.6' 98C0' .7' .20' 7.205≠ A ; 60SA09."@' .20' ' ; 0=8C0' .20' 64B9' 73' 8ABA58≠" 3A9=.4796 ' 86' .20' + ' <86' .28.' 73' : 86.758≠" "430≠ .6' 34BA50' 46' 37A9D' 79' .20' C76.' 89=409.' C0D8"6' 6.5A=F' 8.' #7C0 ' 97.' 79"@' 86' 8' C85F' 73' .20' 89B95624 : ' ; A.' "4F0<460' 86' 89' 7598G C09.' 73' .20' # $ ' ' .' 46' 79' .246' 8==7A9.' .28.' 4.' 8 : : 0856' 79' =7496' 73' C89@' 73' .20

, & * H

C:=575 ' ;0=8A60' 8C79B6.' 7.205' 7334=06' .20@' 8: :57:548.0D' .7' .20C60"?06' .20' 67?0504B9' :79.434G =8.0# 20' :0DAC' 79=0' =79?05.0D' 49.7' .20' ' 89D' 960D' 86' 89' 496.5AC09.' 73' D4?4986 .479 ' <86' 0C:"7@0D' 86' ;0375 0' 7;605?0D' 375' .20' :A5:760' 73' .8F49B' .20' 8ABA5406# 20' :5406.' 49?06.0D' <4.2' .246' 7334=0' D4?4D0D' .20' 208?0966 49.7' 86' C89@' 50B4796' 86' 347CA"A6' 28D' :85G .4.4790D' 246' =4.@' 89D' D50<' :5068B06' 73' 64B96' <24=2' 20' 28D' 7;605?0D' .2050# 20' =A6.7C' 73' =855@49B' .20' "4.AA6' =79.49A0D' .4"'" .20' .7.8"' 01.49=.479' 73' :8B8946C' 89D' 4.' 46' 6009' 79' C79AG C09.6' =70?8#" <4.2' .20' :0547D' <209' 2546.4894.@' <86' B508."@' 01.09D0D# 9D00D' .2050' 46' 97' D7A;.' ;A.' .28.'. :' =576405' 73' ;4627:6' <86' 04.205' ;7557<0D' 357C' .20' "4.AA6' 73' .20' 8ABA56' 75' <86' D054?0D' 357C' .20' 375C' 73' .20'+ ' <24=2' 46' 73' B508.05' 89.4SA4.@*

' .20' =0"0;58.0D' <49B0D' 27560' 6:5A9B' 357C' .20' ;"77D' 73' 0DA68' 3"@49B' .7' 0"4=79' 20' 6.5A=F' .20' 085.2' <4.2' 246' 2773' 89D' =8A60D' .20'37A9.849' 73' 4: :7=5090'.7'3"7<# 0""057:279' 83.05<85D6' 57D0' 24C' 49' 246' =7C;8.' <4.2' .20' 24C r58*

' 04.205' 8"790' 75' <4.2' 246' 54D05' 0""057:279 1 <27' 46' 6=9.0.4C06' 34B2.49B' <4.2' 8' "479 ' 75' <4.2' .20' 24C r58' 8.' 7.205' .4C06' :05375C49B' .20' :85.' 73') ? ' .7' .246' <49B0D' 27560' 8: :0856' 79' .20' 8.49' =7496' 73' 7549.2' <4.2' .20' 496=54:.479' # ' ' 75' # # #* 1 75' 4.' 4W' 37A9D' <4.2' .20' <75D6' &# 89D' # 8DD0D 1 98C0'@' 7948' " ' 68' &\<38' 48' / 1 # &* 1 ' 00' ' ' '

' 86' .20' 6@C;7'' 73' :7""7' ;0=8A60' 20' B8?0' 4 60'.7' .20' 0"4=79489'37A9.849' 68=50D'.7' .20' 9490' CA606' 7?05' <27C' .20' &7D' 73' 70.5@' 89D' 79B' :5064D0D' 7==A56' 79' =7496' 73' 8"05489A6' 89D' &8""409A6' <4.2' .20' 496=54:.4796' % oo!! !' 4 ' ?8* 1 ' # 7?* 1 89D' o " * ! !

' 67C0.4C06' 3"@49B' 8.' 7.205' .4C06' <8"F49B' 7==A56' 79' =7496' 73' .20' 09A"48' r=4"48' 8548' 0.57948' 7:4"48' 4.48' 89D' 7.205' #7C89' 38C4"406* 1 "67' 79' =7496' 73' ABA6.A6' "8AD4A6' 057' 7C4.489' 58 89' 8D5489' # 09{6' 7CC7DA6' 0:.# 0?05A6* # $ 3 ' & ' ! ' ' ' ' ?' 8::0856' 79' 8' =7960=58.479' C0D8""479' 49' ;5866' 6.5A=F' 49' 2797A5' 73' .28.' C:5066' A9D05' 205' 2A6;89D' 9.7949A6' 4A6* 1 84""89.' 89D' :89204C' ;7.2' 50=7B9460' .20' =749' 73' <24=2' .246' 3490' 89D' 50C85F8;"0' D064B9' 375C6' .20' .@:0' 73' .20' 50?0560# 20' "8..05' 49' 246' 97.06' 79' .20' ' ' $' - ' 6:08F6' 73' 4.' 86' ;0"79B49B' .7' .20' 509=2' '49BL6' 8;490.' 89D' B4?06' 89' 09B58?49B' 73' 4.' M:# >N' <4.2' .20' 37""7<49B' D06=54:.4?0'50C85F6'/1 T' 246' ;08A.43A"' C0D8""479' 50:50609.6' 79' 790' 64D0' .20' C:0575' 9.7949A6' 89D' 79' .20' 7.205' .20' =7960=58.479' 73' 246' <430' 8A6.498' 6@C;7"460D' A9D05' 8' .@:0' 73' B508.' 5854.@' 50:50609.CB' .246' 90<' B7DD066' 28"3' ?04"0D' 89D' ;7590' .7' 208?09' 97.' 79' 89' "08B"0' ;A.' 79' 8' # ' 9D' .246' C0D8 479' M8DD6' :89204CN' 286' 50"8.479' .7' 897.205' :"8=0D' 8.' .20' 208D' 73' .20' C0D8""4796' :A;"4620D' ;@' 85D498# 85:0B98' <2050' .246' 68C0' 8A6.498' 46' 50:50609.0D' 86' =85540D' .7' .20' 6F406' 79' 8' 27560' <4.2' .<7' "4B2.0D .75=206' 49' 205' 289D6'/ .28.' 46' .7' 68@' A9D05' .20' A6A8#" 34BA50' 73' 4898' 75' A98' A=43058*U' &# # 1 4."0' B4?09' .7' 09A6# # # ' 49'# 8=0D7948* 1 " o' ! o' # #' ' ' - ' ' # * 1 ' 9' 8' =7"7948#" =749' MH5D' ;5866N' 73' 8=549A6* # ' 375C05@' .20' =8:4.8#" 89D' C0.57:7"46' 73' .20' .245D' 50B479' 73' 8=0D7948' 64.A8.0' M8==75DG 49B' .7' 42?@',#' I"42*" =# N' 79' 8' C7A9.' 79' .20' 62750' 73' .20' ' 608' 90<' .20' =793"A09=0' 73' .20' 54?056' 54B79A6' 89D' 44A6* 1 0""8"<86' .20';45.2G :"8=0' 73' 24"4:' ' 49B' 73' 8=0Dd9' <27' B508."@' 8ABC09.0' 89D' 6.579B"@' 375.4340D' 4.#" 6' 6' :"8=0' 73' 4C:75.89=0' 4.' <86' 67' CA=2' 50B85D0D';@' KA"4A6' 80685' .28.' 20' 375C0D' 4.' 49.7' 8' =7"79@' 89D' 375' .20' 60=A54.@' 73' .20' :57?49=0' 49' <24=2' 4.' <86' 64.A8.0D' ABA6.A6' :50605?0D' 4.6' 54B2.6' 89D' 49=50860D' 4.6' :7:A"8.479' <4.2' D46=285B0D' ?0.05896# 7' .246' =44=AC6.89=0' A=89' M28::4"@' SA7.0D';@' :89204CN' 8""AD06'/1 ' ' $ '# '# 9' .20' C:0548"# =7496' 0""8' 49' 5030509=0' .7' 4.6' 37A9D056' 46' =8 0D' 48' 89D' 4 1' 20' =7496' 73' .246' 79=0' 4C:75.89.' :"8=0' =79646.' 73' ' M&500FN' 89D' 73' 7"7948#" C:0548"' <4.2' ' "0B09D6' ;0B49949B' <4.2' 8D5489' 89D' 3494624 9B' <4.2' 24"4:' .20' @7A9B05' 49="AD49B' 858=8""8' 8=549A6' "8B8;8"A6' "0189D05' 0?05A6' KA"48' 8C608' 814C49A6' 814CA6' 89D' &75D48986' 4A6# !' ! 20' 37""7<49B' 850' .20' .@:06' 73' .246' =7"79@' 86' B4?09' 49' 84""89.'/1 9' 60=79D' 89D' 6C8"" ;5866' 73' .246' =7"79@' 496=54;0D' .7' 8D5489' .7' 8=549A6' 89D' .7' &75D489A6 *' .20' 50?0560' 0124;4.6' .20' 34BA50' 73' 8' @7A9B' C89' 64..49B' 98F0D' 79' 8' 57=F' 28?49B' 246' 54B2.' 289D' "43.0D' 7?05' 246' 208D' 89D' 246' "03.' 0";7<506.49B' 79' CA64=8#" 500D6' 75' 8916:4:06* 1 0""0549' 6A:."406' 8' =749' 73' 0""8' D0D4=8.0D' .7' 814CA6' 60685' <24=2' 84""89.' 7C4.6' 89D' <24=2' 0124;4.6' .20' 68C0' .@:0' 79' 4.6' 50?0560* 1 ' 00' = ' 4# :4# II# 7# >* '60=79D' ;5866' 73' 0 8' 6.5A=F' A9D05' "0I# 0?05A6' :50609.6' .20' 68{90' 34BA50' 73' 8' 98F0D' C89' 64..49B' 79' 8' 57=F' <4.2' 246' 54B2.' 289D' 7?05' 246' 208D' ;A.' 49' .246' 496.89=0' 20' 27"D6' .20' + ' M75' 620:205DL6' =577FN' 49' 246' "03.' 289D' 89D' .20' 346.A"8' 75' :4:0' 73' 500D6' 8::0856' ;0375' 24C' 49' .20' 340"D' 73' .20' =749* 0""0549' 6A:."406' 8?=749' 73' .246' =7"79@' 6.5A=F' A9D05' 814CA6' 73' <27C' 86' <0"" 86' 73' 246' 679' 814CA6' 8 "89.' 286' 384"0D' .7' P4?0' 89@' C0D8"6# 1 # # # # $ ' 34BA50' 608.0D' 79' 8' 57=F' 79' <24=2' 620' 506.6' 205' "03.' 289D' 620' "43.6' 205' 54B2.' 289D' .7' 205' C79.2* ^ :89204C' 49' 246' 97.06' 79' .20' ' ' $' - ' M:#, N' =4.06' .246' =7"7948#" C0D8#" 73' 0""8' 89D' 503056' ' .20' 34BA50' 64..49B' 79' 8' 57=F' 86' 8""A64?0' .7' .20' 38=.' 73' 4.6' ;049B' 8' =4.@' ;A4".' 79' 8' 24""* 1 0BA49' 50B85D6' 4.' 86' 8' <506."05' .20' ?4=.75' 8.' 67C0' 8.2"0.4=' B8C06' <27' 46R:"8=49B' .20' =57<9' 20' 286' <79' 79' 246' 7<9' 208D* 1 .2056' 8C79B6.' <27C' 46' =F20"# 24C60"3' 600C' .7' =79G 64D05' .20' 34BA50' .7' ;0' 49.09D0D' 375' 89' 89D' 479A0.' 8D7:.6' .28.' D064B98.479* 1 9' .20' 7.205' 289D' 84""89.' .257AB27A.' 246' ?8547A6' 97.4=06

i3' .20' 68C0' .@ : 0 ' 86' 4.' 7==A56' 6A==0664?0"@' A9D05'
8D5489 ' 8=549A6 ' "0I# 0?05A6 ' 89D' &75D489
* ' 85BA06' .28.'4.' 46' C089.' 375' : 7""7 ' 49' 246'
: 86.758"# =8 : 8=4.@' M86' &7D' 73' 20 : 205D6N ' =57<9G
49B' 24C60"3' 83.05' 246' ?4=.75@' 7?05 .20' A9375.A98.0'
856@86 ' ?327' 28D' D8549B"@' : 57?7F0D' .246' ?49E'
"4=.4?0' 89D' C05=4"066' D04.@' .7' 8' .548"' 73' CA64=8"#
4F4"" ' 89D' .28.' 246' "03.' 85C' 46' 506.49B' 79' .20' : 4 : 0'
8.' .20' 68.@5 ' 86' .20' .57 : 2@' 73' 246' .54AC : 2* 1 '
9' =79345C8.479' 73' .246' 7 : 49479 ' 84""89.' 8DD6'
.28.' 8==75D49B' .7' &7".\4A6 " ' 1 ' 7 '
.20' 4928 ; 4.89.6' 73' 0""8?50 : 50609.0D' : 7""7' 79'
.2045' =7496 ' <4.2' .20' .54 : 7D' 89D' 8' =57<9' 73'
950" ' <209=0' 4.' 46' 4930550D' .28.' 20' <86' <75E
424 : : 0D' .2050*Q
9' =7496' 73' 858=8""8 ' 89D' 8"67' 79' 790' D0D4E
C.0D' .7' KA"48' 8C608 ' 8 : : 0856' 8' <7C89' ="7.20D'
49' 8' .994= ' 64..49B ' 620' 600C6' .7' ; 0' "43.49B' 205'
54B2.' 289D' A :' .7' 205' 38=0 ' <24"6.' 205' "03.' 289D'
38""6' 8.' 0860' ; 064D0' 205' =2845# 20' "0B09D' 73'
.246' 50?0560' 46' =# 4?* ' 49' 7.2056' " 0 ' ! 0 ' '
(2 ' ' ' - ' '#
^ 246' 46' .20' 4 ' 8) ' 608.0D' 49' .20'
8..4.AD0' <24=2' F 3' 46' C8D0' .7' 866ACO' 79'
=7496' 73' ' 7C89' D40 ' 8' 60=A54.@' .28.' ; 0"79B6' .7'
8' =4.@' ; A4".' A : 79' 8' 2 "*Q
9' 8' 6C8""' ; 5866' 73' 8=54996 ' ; 08549B' .20'
"0B09D' 73' .28.' =7"79@# 4=.75@' 608.0D' 79' .20'
6 : 74"6' 73' <85' 27"D6' ' 3 ' 49' 205' 54B2.' 289D '
89D' <4.2' 205' "03.' 6A : : 75.6' 8' 6240"D ' <24=2' 506.6'
79' 205' FA00
^ 246' .@ : 0' 50305 6' .7' .20' 85.2489' < 85 ' .28.'
<85' 28?49B' ; 009' ; 57AB2.' .7' 89' 09D ' 89D' : 08=0'
C8D0' <4.2' .20' 85.248A6' ; @' 8=549A6 ' <0' 600'
4=.75@' 608.0D* 1 20' #7C89' 098.0' 28D' D0=500D'
68=5434=06' .7' 8=549A6' 79' 8==7A9.' 73' .20' 8""0B0D'
?4=.75@' 89D' 733050D' 24C' .20' 6A598C0' 73'# '
<24=2' 27<0?05' 20' D4D' 9 .' 8==0 : .# 20'
0""0960' 28?0' 2050' 49.4C8.0D' .20' =7C : "4C09.' .7'
.20' 6275.E"4?0D' 89D' 49.5A64?0' 0C : 0575*Q
2050' <86' 897.205' =4.@' =8""0D' 0""8 ' 64.A8.0' 79'
.20' . + ' 73' @548 ' <24=2' 46' 684D' .7' 28?0'
6.5A=F' 67C0' =7496' <4.2' 4 ?' 496=54 : .4796 ' A9D05'
7CC7DA6' 89D' "8B8 ; A"A6*Q
' * 1 00' '
' ' + * 1 20' B78.L6' 6F49' =7?056' .20'
208D' 73' - ' F + * 1 00' .20' <75D*
* 1 20"479L6' 6F49 <24=28 : : 0856'
67' 73.09' 79' 89=409.' =7496 ' 97.' 79"@' 49D4=8.06' .20'
?8"7A5' 89D' 6.509B.2' 73' 05=A"06 ' 86' 20' 46' 6A : G
: 760D' .7' ; 0' B749B' 375.2 9?06.0D' <4.2' .20' 6F49 '
; A.' 4.' <86' 67' .20' D46.49BA46249B' C85F' 73' .20'
058="4D00' 89D' 73'7.205' ' 49B6 ' 6A=2 '375'0I8C : "0 '
86' .2760' 73' 8=0D7948 ' <27 ' "4F0' C@9.8B '
24"4 : ' 89D' "0I89D05' .20' &508. ' 8557B8.49B' .7'
0.20C60"?06' .20' 2797A5' 73' ; 049B' D06=0AD89.6' 73'
.20' 5097<90D' "=4D06 ' 4C4.8.0D' 246' 8..54 ; A.0' ; @'
: "8=49B' .20' 6 : 74"6' 73' .20' 0C6089' "479' 79' .2045'
=7496*
9' .20' 68C0' 6 : 454.' 73' 4C4.8.479 ' ; A.' <4.2'
493494.0"@' "066' : 50.096479 ' .28.' B"8D48.7548"' "A3348A'
73' .20' 0C : 450 ' 7CC7DA6 ' ='"49B' 24C60"3' .20'
6 ' ; ' =8A60D' 246' 9AC46C8.4=' : 75G
.584.6' .7' ; 0' D0=758.0D' <4.2' .20' '
+ ' 8' 305.4"0' : 09496A"8 ' : "09.07A6"@'
3"7<49B' <4.2' 8""' .249B6' 900D3A"' .7' C89L6' 6A ; 646.G
09=0' 89D' =79?09409=0 ' 4.6' C76.' 89=409.' 98C0
' '

<86' ' <24=2' D054?0D' 357C' 0B48"A6 '
4.' 50.8490D' .4""' .20' .4C0' 73' # + ' 8' 2@B489'
; @' ; 45.2 ' <27' 28?49B' 86=09D0D' .20' .2579' 73'
.246' =7A34.5@' =8""0D' .246' =0"0 ; 58.0D' : 85.' 73'
&500=0' 83.05' 246' 7<9' 98C0' .' 46' A94.0D' .7'
.20' 975.2059' 50B4796' 73' &500=0' ; @' .20' 6.2CA6'
73' 7549.2 ' 89D' 46' <8620D' ; @' 34?0' 6086 1 ?4*' .20'
79489 ' .20' 4=A"89 ' .20' 50.89 ' .20' *+B8089 '
89D' .20' @5.789 ' <24=2' 357C' .20' 8D?89.8B06'
.20@' 73305' 375' 98?4B8.479 ' B4?0' 4.' 8" "7=8" 6A : 054G
754.@' 7?05' .20' 7.205' &500F' : 57?49=06" 75' =7496'
6.5A=F' 49' .20' 0"7 : 7990696 ' ; @' #7C89' ="7"7946.6 '
!A9D05' .20' C : 05756 ' 600' " ! ' 89D
*
' 8' 6275.' ; A=F"05' 75' 6240"D ' .20' A60' 73'
<24=2' 46' .58D4.4798""@' 86=54 ; 0D' .7' .20' C8\796 '
89D' 8"67' <4.2' C750' 8A.209.4=4.@ ' .7' .20' (8554756'
73' 258=0 ' ; A.' .20' "8..05' D43305G' 34E7C' .20' 375C05'
49' 28?49B' .<7' 6"7 : 49B' 49D09.8.4796" 9' C0D8"6'
89D' C79AC09.6' .20' # ' 73' .20' C8\796' 46' 49'
.20' 375C' 73' 8' 28"3EC779*
*1 (28.' .2060' <050' 46' : 056 : 4=A7A6"@'
627<9' ; @' ' 49' 246' * ' ' 6)
1 ==75D49B' .7' 05?4A6' 4.' <86' 8' .4."0' B4?09' .7'
8""' D04.406' <27' <050' <75624 : : 0D' : 54?8.0"@' 89D' 8.'
27C0' "0 ' ' % ' .2=057' " ' '
* ' 44* ' 68@6' .20' # ' 850' 67' =8 0D' ' '
+ ' ' ' ' ' ' ' 0 '
' ' + .' 75' ; 0=8A60 ' + '
' .20@' 506.' 49' .20' 49C76.' 89D' C76.'
60=A50' : 85.' 73' .20' 38C4"@' D<0""49B*
2060' D7C06.4=' B7D6' 850' 67C0.4C06' =7937A9D0D'
<4.2' .20' ' 89D' 4 ' ; A.' .20@' 850' 6.4 ' C750'
350SA09."@' D46.49BA4620D' .20' 790' 357C' .20' 7.205'
.' <86' : 05C4..0D' ; @' .20' 50"4B479' 73' .20' #7C896'
375' 08=2' 49D4?4DA8"' .7' =27760' 246' 098.06' .2A6'
67C0.4C06' KA : 4.05' 89D' 73.0905' 06.8 ' <4.2' 7.205'
D04.406' 73' .20' 208?096' .20' 085.2 ' .20' <8.05 ' 89D'
.20' 4930598"' 50B4796 ' <050' 60"0=.0D' 375' 27A6027"D'
<75624 : # ?09' "4?49B' C : 05756 ' 89D' 8' C89L6
7<9' 89=06.756' <050' 8""7<0D' .7' ; 0' 8C79B6.' .20'
9AC ; 05' 73' .2060' # ' 89D' .20' "86.EC09.47900'
=860' <86' .20' C76.' =7CC79' 73' 8""* 1 20' 754B49 '
49D00D ' 73' .246' 6 : 0=406' 73' D0?7.479' <86' 37A9D0D'
79' .20' 7 : 49474 ' 09.05.8490D' ; @' .28.' C76.' 6A : 05G
6.4.47A6' : 07 : "0 ' .28.' .20' '73' .2045' 375038.2056'
D0"4B2.0D ' 83.05' .2045' 50C7?8"' 357C' .246' "430 ' 6.4""'
.7' D<0"" 49' .2045' 375C05' 28 ; 4.8.4796 ' <2050' 97.'
A9350SA09."@' .2045' 86206' <050' D0 : 764.0D ' 89D'
<2050' .2045' : 75.584.6' <050' 6A8""@' : 50605?0D' 49'
.20' C76.' 2797A58 ; "0' 64.A8.4796" 75 ' 83.05' 28?49B'
; 009' : 58460D' <24"6.' "4?49B' 86' 4""A6.547A6' : 056796 '
.20@' ; 0=8C0' B58DA8""@' .20' 7 ; 0=.' 73' 27C8B0' 89D'
506 : 0=.' <209' D08D ' 89D' 8.' "09B.2' .2045' 86646.89=0'
<86' 4C : "750D ' 89D' 50"4B47A6' 54B2.6' <050' 8664B90D'
.7' ; 0' : 84D' .7' .20C" ? 20' 6.8.A06' 73' .20' 098.06'
<050' =7960=58.0D' 4A' .20' 090.58"48 ' 75' C76.'
60=50.' 8 : 85.C09. ' 89D' 79' 005.849' 7==864796' <050'
=7?050D' <4.2' 306.7796' 73' B85"4=' 89D' : 7 : : 406 '
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.4C06' 6200 :' 89D' "8C ; 6' <050' 68=5434=0D' .7' .20C"
.' <86' DA549B' .20' F ' .28.' .20' 306.4?8"6'
73' .20' 8506' 89D' 098.06' <050' =0"0 ; 58.0D '
; 064D06' <24=2' 8' D8@' 49' 08=2' C79.2' <86' D0D4=8.0D'
.7' .20' 2797A5' 73' .2060' D7C06.4=' B7D6"# 20' \08"
375' .246' 6 : 0=406' 73' <75624 :' 67C0.4C06' <09.' 67'
385' .28.' 40@' <050' $ ' 0?05@' D8@"# 057' 46

BA * # *

50=75D0D' .7' 28?0' 37568F09' 8"" .20' 7.205' D4?494.406' 375' .20' 68F0' 73' 38?7A54.0' 098.06# 20' 34BA50' 73' .2060' D04.406' <86' 8.' .4C06' .20' 64C : "0' 50 : 50G 609.8.479' 73' 67C0' B7D' B094A6 W 2057 ' 75' D0C4G B7D' 75' 49' 6275.' 73' 67C0' =0"0 ; 58.0D' 89=06.75# 20@' <050' 73.09' 50 : 50609.0D' ;@' # ' 34BA506' .28.' 46' .7' 68@' 6A=2' 86' 2750' .20' 6@C ; 7"6' 73' C89@' D4?494.406* 1 =F20"# =7964D056' .20C' .7' ;0' 4D09.4=8"# <4.2' .20' . ' * 1 9' 8' =749' 73' .20' ' 38C4"@' SA7.0D' 89D' 34BA50D' ;@' 750 ' 8 : : 085' .<7' A?094"0' 208D6' AB8.0D' 89D' ="760' .7' <24=2' 46' .20' 3750B749B' 496=54 : .479' ='085"@ 620<49B' .28.' .20' 4C8B06' 850' .2760' 73' # * 1 00' 9' 8' B7"D' =749' 73' .20' F K+ ' 38C4"@' <4.2' .20' 496=54 : .479' .*' 3 ' 9?5?6' 7==A5' .<7' A?094"0' 208D6' "89 08.0D' <0854$B' .20' : 4"096' 89D' <4.2V 08=2' 8' 6.85' ?05' 24C* 1 20' .@ : 0' 79' . 0' 50?0560' 73' .246' D09854A6' 0I24 ; 4.6' .20' <8""6' 73' 8' =4.@' <2760' B8.0' 46' 496=54 ; 0D' " o / ' 64"?05' =749' 73' .20' 68C0' 38C4"@' 286' .<7' @7A9B' 208D6' 79' .20' 7 ; ?0560' 89D' .20' "0..056' ' *' :*' .28.' 46' .7' 68@' . ' # * 1 9' .20' 50?0560' 73' .246' 64"?05' =749' <24=2' 46' 496=54 ; 0D' 7# o#!"!' " # ' 8 : : 085' .<7' C09' 49' C4"4.85@' 28 ; 4.6' 6.89D49B' <4.2' 6 : 0856' 49' .2045' 289D6' .20@' : 749.' .7' 790' F900"49B' ; 0.<009' .20C' 27"D49B' 8' 67<* 1 00' F $ =F20"' 49' =7CC09.49B' 79' .20' 50?0560' 73' .20' 3456.' =749' 496=54 ; 0D' # $* ! ' # ' : 5797A9=06' .20' .<7' A?094"0' 208D6' .7' ; 0' .2760' 73' .20' 476=A54' 86' :"849"@' ; 06 : 7F09' ;@' .2045' 8 : : 08589=0' 89D' 8..54 ; A.06# 9D' .20' .@ : 0' ; 0856' 5030509=0' .K7' .20' 37""7<49B' 246.754=8"# 38=. 1 ?#*' .28.' T 05?4A6' A":=4A6' 8' C4"4.85@' .54 ; A90' ; 049B' 49?06.0D' <4.2' =796A"85' : 7<05' 49' .20' @085' ?*=*' H ' : 57G =00D0D' .7' .20' 50"403' 73' A6=A"958' M<4.2' 89' 85C@' 357C' #7C0' 89D' 7 ; "4B0D' .20' 8.496' .7' 58460' .20' 640B0' 73' .28.' : "8=0# 7<' 4.' 8 : : 0856' 357C' 4=057' .28.' .20P.0C : "0' 73' 86.75' 89D' 7 A4' 6.77D' 49' A6=A"AC' 89D' 06.A6' 8"67' 6.8.06' .28.' 8c.75' <86' <75624 : : 0D' 49' .28.' .7<9* 1 20503750' M8DD6' =F20"N' 97.' 79"@' .20' .<7' D04.406' <27' <050' 89=409."@' 2797A50D' <4.2' 06 : 0=48"' <75624 : ' ; @' .20' 4928 ; 4.89.6' 73' A6=A"AC' ; A.' .20' <8""6' 73' .20' .7<9' 4.60"3' 850' 0I24 ; 4.0D' 79' .246' 6A : 05"8.4?0"@' 5850' 89D' =4A97A6' B7"D' =749*U) ' 79'8'=79.7C48.0' C0D8"' 73' 58 89* 1 00' =F20"' ?7"*' ?444*' : *> ' ' 89D' 8?05=8C : ' . ' ' ' : *', [* # 1 20' 89=409.' #7C896' =8""0D' ;@' .246' 98C0' 8' 6C8""' 8 : 85.C09.' 49' .2045' 279606' <24=2' .20@' D0D4=8.0D' 86' 8' : 54?8.0' =28 : 0" ' .7' .20' # :' 4.' <86' 8' 68=50D' 89D' 50.450D' 6 : 7.' 49' <24=2' .20@' D0 : 764.0D' 86' 49' 8' 60=50.' 89D' 6A50' 86@"AC' <28.0?05' .20@' 20"D' C78.' : 50=47A6* # + ' 8" "79B' 57 ; 0' ="7.20D'49' <24=2' 4905?8' 8 : : 0856' 79' =7496' 4.'46' 8' B85C09.' CA=2' =0"0 ; 58.0D' ;@' : 70.6' 89D' C@.27"7B46.6' ' 89D' <86' <759' ; @' 2797A58 ; "0' C8.5796' 8.' #7C0' <2090?05' .20@' <09.' 49.7' : A ; "4=* #* # / " ' # 3 ' ' # * 1 #S0=.49B' 86' 49=7550=.' 49.05 : 50.8G .4796' ; 7.2' .20' ' '# '73' 84""89.' 89D' .20' ' ' # + ' 73' 85DA49' 37""7<0D' ;@' K7 ; 05.' .20' 8579' C85D' 8D7 : .6' .20' 7 : 49479' 73' 246' =79.0C : 7585@' 60"49' 73' .20' 50.4=2' =8D0C@' <27' 49' 8' D46605.8.479' 79' .246 : 749.' 286' 620?C' .28.' ; @' * % ' 46' .7' ; 0' A9D056.77D' #3A<3 ' H 6 ' .28.' 46' .7' 68@' B8C06' 8.' <24=2' <050' A94.0D' 8""* .20' D4330509.' F49D6' 73' =7C ; 8.6' 89D' B@C986.4=' 0I05=4606' : 58=G .460D' 49' .20' 37A5' B589D' 6 : 0=.8="06' 73' &500=0* 7' .2060' <050' B4?09' .20' 98C0' 73' '+ ' ; 0=8A60' .7' =79SA05' 8.' .20' @.2489' 6.2C489' 0C r 89 ', 89D' "@C : 4=' B8C06' <86' D097C498.0D' E' ' o ' <0 : 37 00% 4O #* 75' # * # ' ; @' .20' 05G C466479* 1 246 C85F6' .20' : 54?4"0B0' 73' 6.54F49B' =7496' B589.0D' ; @' ABA6.96' .7' 89@' + ' 75' =7"79@* 1 # * ' ' # ' ' M ; @' : 305C466479' 73' .20' C : 0575N' 7==A56' 79' C0D8"6' 73' .20' CA94=4 : 4AC' ' 49' 46 : 8948' r .4=8' M 7A.2059' : 849N* 1 ! #' " *! ' ' # ' 9' 8' =749' 73' 8.54=48' M 75D7?8N' 49' .20' 68C0' : 57?49=0* # * 75' # * # + ' 0 05 : 0.A8"' C : 0575* 1 "67' # + 186' #' . ' # . 6+ 79' =7496' 73' KA"4A6' r 685* # * # 1 6 "! ' # ' 79' 8' =749' 73' 57 ; A6* H ' # 1 ' + = ◻ L ** F + ' F # * 75' # * &* # + ' ' 86' 79' =7496' 73' &8""* 8I4C489A6' 796.89.49A6' A9*' 89D' KA"489' .20' : 76.8.0' ' 67' n097' 89D' 7=86* # &* # 1 4898' <86' .2A6' =8""0D' 357C' .20' =4.@' 73' 05B8' 49' 8C"3=@"48' <2050' .2050' 0I46.0D' 8' .0C : "0' 73' .28.' B7DD066' .7' <24=2' .20' : 54?4"0B0' 73' 8' 689=.A85@' <050' 8..8=20D* 1 ' 64"?05' C0D8""479' 73' 58 89' ; 0856' 79' 4.6' 50G ?0560' .20' D8.0' 73' =76* 9* ' 89D' 286' 375' 4.6' .@ : 7' 8' 6.8.A0' 73' 4898' 73' 05B8' <4.249' 8' .0C : "0' / 79' .20' 3540\0' 73' <24=2' 46' 496=54 ; 0D' ! ' # ; # * # ' 79' =7496' 73' .20' 7549.24896' .7' <27C' .20' : 54?4"0B0' 73' =74949B' C790@' .7B0.205' <4.2' .20' "4 ; 05.@' 73' .20' : 57?49=0' ") ' + % 600C6' .7' 28?0' ; 009' 0I.09D0D' ; @' 06 : 86489' 4986CA=2' 86' .2050' 850' =7496' <24=2' 64B943@' .28.' .246' : 54?4"0B0' 28D' ; 009' 506.750D' .7' .20' =7"79@' 73' 7549.2' ; @' 7C4.489' 246' 679# 09=0' 49' 750"" ' <0' 508D' 79' .2045' =7496' " * ' # * ' ! # # * 1 3.05' ABA6.A6' 28D' B4?09' 9 : ' .20' ; 5866' C49.' .7' .20' 098.0 1 2' 628D7<' 86' 4.' <050' 73' #7C89' "4 ; 05.@' .28.' ; 7D@' B589.0D' .20' : 7<05' 73' =74949B' .7' =05.849' =4.406' 49' .2760' : 57G ?49=06' <24=2' 50C8490D' A9D05' 4.6' 8A.2754.@' 86' ABA6.A6' D4D' .7' .2760' <2760' B7?059C09.' 20' 6.4""# 50.8490D# 7C0' =7496' 850' 496=54 ; 0D' 86' 28?49B' ; 009' 6.5A=F' ; @' : 05C466479' 73' .20' : 57E=796A" M 750"" ' # : # H>N 1 89' 496.89=0' 73' .246' 46' 37A9D' 79' 8' =749' ; 08549B' .20' ; 08D' 73' 4 ; 054A6' 0 89D' 496=54 ; 0D' # * ! ' ! $ 00 ' % " 1 ' 9D' 79' 897.205' ; 08549B' .20' 208D' 73' C696' 679' 73' 4 ; 054A6' <4.2' .20' 496=54 : .479' # * ! ' * + = + * 1 2A6' <0' 600' .28.' 0?09' 8' 64C : "0' C8B46.58.0' B7?0594 9B' 790' 73' .20' : 57G ?49=06' 73' <24=2' .20' C : 0575' 28D' "03.' .20' 8DC4946.58.479' .7' .20' 098.0' 89D' .7' .20' #7C89' : 07 : "0' 67C0.4C06' B8?0' .2060' 675.6' 73' : 05G C4664796' 0I8C : "06' 73' .20' F49D' <0' .7' ; 0' 37A9D' 79' C0D8"6' 6.5A=F' 49' .20' =4.406E' 73' =2848' 89D' 73' 354=8* 1 4C84D' 4* >,

<4.2' 24"4: ' <27' ;06.7<0D' 79' .246' C050' =24"D' .20' .4."0' 73' ' 20' 9929: :@ @7A.2' 62850D' .20' E38.0' 73' 246' ="0?05' ; A.' A9:549=4:"0D' 38.205' 89D' <209' .20' "8..05' <86' A9D05' 8' A6.' 50.54; A.479' 6"849' 8.' 05798' ;@' ;46' 7<9' 67"D4056' 246' 997=09.' 679' <86' CA5D050D' ;@' .20' 68C0' :560.75489' ;89D4..4' 49' .20' ?05@' 85C6' 73' ;46' C7.205' 8*9⁴ > a' 49' .20' ,>.2' @085' 73' 246' 8B0* 1' 57C' .20' :0547D' <209' .20' @7A9B05' 24"4:' <86' D0="850D' ' 89D' 8DC4..0D' .7' 8"" .20' 2797A56' 73' .20' 67?0504B9' :7<05' .20' 50?05606' 73' C76.' 73' .20' =7496' ; 7.2' 73' 38.205' 89D' 679' 0I24; 4.' 64C4"85' .@:06* 1 20' =7496' 73' 24"4:' A9475' 850' 9AC057A6' 89D' 375' .20' C76.' :85.' =7CC79' 49' 55' 89D' 8"67' 49' ' ; A.' 850' ?05@' 5850' 49' ' 9'.20C' 20'46'6.@"0D' ⁴5? ⁴(!0!#' " ' 1 ' 55 * 1 ⁴ ⁴ ⁴ ⁴ * 1 ⁴ ⁴ E ⁴ ⁴ %⁴ 1' 7C0' :40=06' 50:50609.' 24C' <4.2' # +' 609475' 89D' 1 # + * 1 20' C:0575' ' ' <86' =7CC79"@' =8""0D' .20' :24"767:205' ;0=8A60' 20' <86' 09.2A6486.4=8""@' 8DD4=.0D' .7' :24"7G 67:24=8⁴" :A56A4.6' 89D' 28D' .28.' 609.4C09.' 73' "8.7' =796.89."@' 79' 246' :6' <24=2' 0I:506606' 89' 7:49479' .28.' T' 20' 6.8.0' <7A"D' 3"7A5462' 43' 04.205' :24"767:2056' B7?0590D' 75' C:05756' <050' :24"767G :2460D*U' .' 46' .7' ;0' 7;605?0D' 27<0?05' .28.' 904.205' C790.8⁴" "0B09D6' 975' "8:4D85@' 496=54:.4796' 73' 89@' F4AD' .8F0' .20' "086.' 97.4=0' 73' .246' 4C:A.0D' D097C498.479' 73' A50 96' .27AB2' 67C0' <54.056' 28?0' C46.8F09' .20' 0:4.20.' 375' 246' 6A598C0* ' 6A598C0' 73' .20' # ' 38C4"@* 1' ⁴ ' ⁴⁴ *:⁴ 57A9D' .20' 208D' 73' K89A6* 1 # ' 444⁴ 4905?8' =57<949B' 8' .57:2@* # ' :85.' 73' @548* 1 "" 89=409.' 89D' .20' C76.' 8==A58.0' C7D0C' <54.056' <54.0' .20' <75D' # ' 97.' # 1 <4.9066' .20' =7496' 73' 9.7949A6' 4A6' 89D' 73' 858=8 8' 496=54; 0D' * 1 84""89.' 49' 246' 7"7940 6 M⁴:⁴, N' D054?06' .20' 94.C0' 73' .246' =7A9.5@' 357C' .20' &500F' <75D' # ' 8' 8"C⁴ 75' 46' 4.' .7' ;0' D0940D' .28.' .20' 8"C' 46' 8' .@:0' 73' @548' KAD808' B@:.' 89D' 73' 7.205' =7A9.5406' 50C85F8; "0' 375' 8"C6' ; A.' 4.' 46' C750' :57; 8; "0' .28.' .20' .500' 50=0?0D' 4.6' 98C0' 357C' .20' =7A9.5@' .289' .20' =7A9.5@' 357C' .20' .500⁴ ;7?0' 8"" 7.205' 50B4796' ;0" 79B49B' .7' .20' 89=409.' 27094=4896' .28.' 73' @50' <86' =0"0; 58.0D' 209=0' .20' 8"C' 7==A56' 79' 8' =749' SA7.0D' ;@' :89E' 204C' 89D' <24=2' 46'496=54; 0D' $ ' $ % 0! ' ⁴ ==75D49B' .7' F) ' .20' 27094=4896' <050' D46.49BA4620D' 375' .2045' F97<"0DB0' 73' 854.2G C0.4=' 89D' 86.5797C@' 89D' 0SAD@' 67' 375' .2045' 6F4"" 49' .20' 85.6' 73' 98?4B8.479' 89D' 73' <85 1 4967G CA=2' .28.' .20@' ;0=8C0' .20' 67?0504B96' 73' .20' 0D4.05589089' 08' 89D' 0?05@<2050' 06.8; "4620D' =7"79406' 79' 4.6' =786.6* 20' 4C:0548⁴" =7496' 73' .20' 27094=4896' <050' 6.58=F' 8.' @50' .20@' =7C:5460' 79"@' 37A5' 504B96⁴ 2760' 73' 057' 89D' 58 89' ;085' &500F' 496=54:.4796' .2760' 73' 9.7949A6' " A6' 89D' 73' 858=8 8' 850' 49' 8.49* ⁴ ' ⁴' ⁴ * 1 '34BA50' 6.89D6' 27"D49B' 8' ?860' 75' ;86F0." 49' .20' 54B2.' 289D' 8' <89D' 49' .20'"03. 1 ;0249D' 46' 8' :8"C' .500⁴ 06:0=.E' 49B' 8' "85B0' ;5866' <4.2' .20' 208D' 73' 9.7949A6' 4A6' 79' 4.6' 7; ?0560' M49' .20' 4C:0548⁴" =8; 490.' 8. 40998N' ; 08549B' .20' 8; 7?0' "0B09D' 89D' .@:0' 79' 4.6' 50?0560' =F20⁴" 50C85F6' .7' .20' 37 7<49B' ; 5403' :A5:75./ 1 T 0 854A6' 49' 246' &07B58:248' 9.4SA8' 68@6' .246' 50B479' 46' :57:05"@' <54..09' 49' 8.49' # ' 97.' # ' <24=2' 7:49479' 49D0OD' .246' C0D8⁴" =79345C6*U 1 "# ' ?44⁴ [*N ' 64C4"85' C0D8⁴" 46' 86=54; 0D' 49' 0D47; 85; A6' M ==7N' .7' 858=8 8' ;A.' 4.' 46' 97.' 8=F97<"0DB0D' 04.205' 49' 47990.' 75' F05C89' 975' 46' .7' 9.7G 949A6' 4A6' 8; 7?0' SA7.0D' 49' ' =8.8"7BA06* # * 1 246' 98C0' <86' B4?09' ;@' .20' B@:.4896' .7' 8' ;45D' <24=2' 67C0' <54.056' 28?0' :5730660D' .7' 50B85D' 86' 8' 508 .@' 75' 8.' "086.' 86' :7664; "0' <24"6.' 7.2056' 28?0' .508.0D' 4.6' 0I46.09=0' 89D' 246.75@' 86' 0SA8 @' 38; A"7A6⁴ 89@' 2546.489' 0=="06486.4=6' 73' .20' 085"@' 8B06' 28?0' 37 7<0D' M6.589B0' .7' 68@M' .20' .58D4.4796' 73' :8B8946C' 50G 6:0=.49B' .7' 27094I' 89D' 8D7:.0D' 4.' 86' 8' 6@C; 7⁴' 73' .7' 506A550=.479* 1 9'4C:0548⁴" C0D8"6' <0' 349D' 4.' <4.2' 4.6' 208D' 6A557A9D0D' ;@' 58@6' 6@C; 7"4\49B' 0.0594.@⁴ * 20' 58D48.0D?208D' 73' .20' 7094I' M68@6' DD4G 679M B4?06' 96' .20' C08949B' 73' 8' :8668B0' 49' "89D489' <27' CA6.' 28?0' 28D' 246' 0@0' 79' .20' 34BA50' 73' .246' ;45D' 49' 89=409.' 6=A": .A50' 89D' :849.49B' 86' 49D00D' 4.' <86' 4C:7664; "0' .7' .8F0' 4.' 357C' .20' "430/1 ' ' 7 ' V ' ' ' ' .' ' ' ' = ' ' 8 ' ' + ' 0 ' =' ' 46' 3405@' 0@06' 6277.' 375.2' 8' B"4..0549B' 58@ 9D' 57A9D' 246' 208D' .09' .27A689D' B"75406; "8@/ 4B2' 79' 246' =506.' 8' 6.85' =0"06.48⁴" ; 54B2.' 4?4D06' .20' D85F9066' <4.2' 4.6' :405=49B' "4B2.* 20' # ' 7==A56' 79' C0D8"6' 73' 796.89.490' .20' &508.' 89D' 73' 246' =24"D509' 83.05' .20' 0I6:"0' 73' .20' #49=06' 89D' 549=06606' 73' .20' 085"@' 0C:450' 49' 75D05' .7' D064B98.0' ;@' .246' ;45D' 73' 50:A.0D' 4CC75.8 .@' 04.205' .20' 0.0594.@' 73' .20' 0C:450' 75'.20' 0.0594.@' 73' 28:.49066' 6A:-760D' .7' ;0' 09 7@0D' ;@' .2760' :549=06' <27' 8"584D@' <050' :"8=0D' 49' .20' 589F6' 73' .20' 4CC75.8⁴" B7D6* 1' 4C85D' =79345C49B' .246' 7; 6057?8.479' 73' K7; 05.' 68@6' T'.20' :2009419' 8:.0856' 79' =7496' 73'.20' A:.:05' 0C:450⁴ (0' 600' 4.' 49' 58 89' 89D' 49' C89@' 7.205' 0C:05756⁴ 9' 8' 3456.' ;5866' 73' 8A6.498' 60C?75' 8' 30C8"0' 608.0D' 27"D6' 8' :27094I' 79' 205' 54B2.' 289D*U 1 00 $! ^ C79B6.'. 7' C0D8"6' <24=2'28?0' ;45D6' 79' .2045' 50?05606' 6=85=0"@' 89@' 850' C750' =A547A6' .289' .2760' 73' 8D5489' 89D' 73' 9.7949A6' 4A6⁴ 20' .@:0' 50G :50609.6' 89' 8B"0' 8' 08=7=F' 89D' 89' <"' :"8=0D' 79' .20' 68C0' "490' <4.2' .20' 64C:"0" 0B09D' =76' ! '375' 8D5489' 89D' =76' 4444⁴' 375' 9.7949A6' 4A6⁴ 2060' C0D8"6' 28?0' .2045' C08949B' 0864"@' 0I:"8490D' ;@' C0896' 73' 8' C0D8""479' 73' 9.7949A6' <24=2' 50:50609.6' KA:4.05' KA97' 89D' 4905?8' 79' 4.6' 50?0560⁴ .' 46' .7' .2060' .2500' D4?494.406' .28.' .20' .@:0' 73' .20' .2500' ;45D6' 503056' .7' 8B"0' ;049B' =7960=58.0D' .7' KA:4.05' .20' 08=7=F' .7' KA97' 89D' .20' <⁴' .7' 4905?8*0 1 0=' * 20' # ' 79' C0D8"6' 64B94306' 97.' 79"@' 0.0594.@' 2A.' 8"67' .20' 27:0' 73' ;0..05' .4C06' ;0=8A60' .246' ;45D' <86' 375C05"@' ;0"40?0D' .7' 5420' 8B849' 49.7' 0I46.09=0' 357C' 4.6' 86206⁴ 7C0.4C06' 4.' 46' 6009' ;@' 4.60"3' :05=20D' 79' 8' B"7;0' ;A.

89D' 73' KA"496' .0685L6' C790@056* 1 20' 6.75@' 73' .20' :47A6' ;57.2056' " # ' ! -' 73' 8.8948 ' 49' 4=4"@ ' <27 ' D4A49B' 8' D06.59=.4?0' 05A : .479' 73' .98 ' <050' =79.09.' .7' "760' 8"" .2045' : 57 : 05.@' 49' 75D05' .7' 60=A50' .20' 6830.@' 73' .2045' 30.205' 89D' C7.205' 46' 8"67' C8D0' .20' 6A; 0=.' 73' 8' .@ : 0' 79' 64"?05 73' .20' 0509948' 38C4"@ ' 89D' 79' 8' D09854A6' 73' 01.A6' 7C : 0@# 00' + ' 89D' + 1 97.205' =749' 73' .20' 7C : 048' 38C4"@ ' <4.2' .20' "0B09D' 73' ' 286' 8' 30C8"0' 34BA50 ' 49' .20' 6.7"8 ' 27"D49B' 8' 286.8' .5896?0560"@' 49' 205' "03. 89D ' 89D' 8' "8A50" ;589=2' 49' 205' 54B2.# 9 6' 4.' <86' 8' 350SA09.' =A6.7C' 73' .20' #7C896' .7' 49=" ADO' 49' .20' A60' 73' .20' <75D6' # ' 89D' # ' "7?0' .7 < 85D6' : 8509.6 ' =24"D509 ' =7A9.5@ ' =*' 67' 79' C : 0548" =7496' # 3' 350S09."@' 628D7<6' 375.2' .20' 68C0' CA.A8" 8330=.479 ' 97.' 79"@' A9D05' .20' 6@C ; 7" 73' 8' C7.205' =20546249B' 205' =24"D509' 49' 205' ;767C ' 75' 01.09D49B' 205' 289D' : 57.0=.4?0"@' 7?05 .20 C ' ; A.' 8"67 ' 86' 49' 8' B7"D' =749' 73' 9.7949A6' 4A6 ' D064B98.06' 4.' ; @' 8' 30C8"0' 34BA50' 6.89D49B' <4.2' .250 '=24"D509 ' 790' 49' 205' 85C6 ' .20' 7.205' .<7' ; @' 205' 64D0 ' <24"6.' ;0"7<' 46' .20' 496=54 : .479' #! ! ' 5 " ' 94"*' 75' 7AB2.' C09.479' .7' 20' 7C4..0D' 73' 8' .245D' ;5866' 6.5A=F' 49' 2797A5' 73' * 814C4898' 207D758 ' 60=79D' <430' 73' 796.89.496' 2"75A6 ' <24=2' 50 : 50609.6' 8' <7C89' 6.89D49B ' <4.2' 89' 49389.' M89D' 49' 58505' =7496' .<7' 49389.6M' 8.' 205' ;5086. ' <4.2' .20' 496=54 : .479' #! ' 2

9' =7496' 73' .20' C : 0548" 605406' <0' 8"67' 600' 50 : 50609.0D' .20' 6A ; C466479' 89D' .20' ?09058.479' 73' .20' 098.0' .7 < 85D6' .20' 549=0 ' 86' .7 < 85D6' W' =7CC79' : 8509. ' 75' 0?09' 86' 8' F49D' 73' .A.0"85@' D04.@* 246' 46' 3490"@' 4""A6.58.0D' 79' 8' 5850' 3456.' ;5866' 73' &8" ;8 ' <2050' .20' C : 0575' 6.89D6 ' 49' 8' C4"4.85@' D5066 ' =57<90D' ; @' 8' 098.75 ' 8==7C6 : 8940D' <4.2' .20' 64B9434=89.' "0B09D' ' :4 4' & 4* M 00' .20' <75D6N* 1 9A..05"@' : 576.4.A.0D' 496.89=0' 73' 64C4"85' 2797A56' <86' 83.05<85D6' <5A9B' 357C' .20' 6098.7548" ; 7D@' DA549B' .20' 504B9' 73' .05575' 06.8 ; "4620D' A9D05' 7CC7DA0 ' <27' M79' B7"D' 89D' "85B0' ;5866M ' =7C6 : "4C09.0D' .20C' 79' .2045' 8330=.479' 375' E 1 ' 1 <24"6.' 20' <86' 8.' .20' 68C0' : 0547D' .249949B' .2045' 83354B2.0D' 589F6' ; @' D84"@' CA5D056* 1 7A"D' <0' 349D' .246' "0B09D' 89D' 4.6' 8==7C : 89@49B' .@ : 0' M.<7' C09' =7.20D' 49' .20' .7B8 ' 74949B' 289D6M 8C79B6.' .20' B09A490' =7496' 73' 9.7949A6' 4A6 ' .20@' <7A"D' 49D0D' ; 0' : 57G 97A9=0D' <75.24"@' 8 : : 57 : 548.0D ' ; A.' 9790' 6A=2' 50=04?0' 8A.209.4=8.479' J7C' =F20" ' 47990. ' 75' F05C89*

20' =79=75D' MC750' C8..05' 73' ; 786.' .289' 73' 508"4.@M' 6A ; 646.49B' ; 0.<009' .20' .<7' ABA6.4 ' 8"; 49A6' 89D' A : 409A6 ' 46' 6@C ; 7"4\0D' ; @' .2045' 38?7A54.0' D0?4=0' 73' .<7' 289D6' 7490D ' 89D' 57A9D' 4.' 46' 508D' #! ' '

2050' 46' 67C0.249B' ?05@' : 0=A"485' 49' .20' C7D0' 73' 50 : 50609.49B' #! ' ' 20' : 40.@' 73' .20' C : 05756 ' ; @' .20' C49.' 73' 58 89A6' 0=4A6 ' 79' 790' ') ' 6 : 0=4C09' 73' <24=2' <0' 600' 05=A5@' <4.2' .20' ' 75' : A560' 49' 246' 54B2.' 289D ' 89D' 246' =8DA=0A6' 49' .20' "03. ' <4.2' .20' 8 ; 7?0' =45=AC6=54 : .479* 1 20' 68C0' "0B09D' 89D' .@ : 0' 46' =79.49A0D' 9' =7496' 73' 0509A4A6 , >

* >

89D' 76.4""48996 ' 6796' 89D' 6A==066756' 73' .20' 8 ; 7?0E98C0D' 0C : 0575* 1 4C4"85' .7' .246' 46' 8' C0D8" 73' " A50"4A6 ' 79' <24=2' 8"67' 05=A5@' 8 : : 0856 ' 27"D49B' 49' 246' 54B2.' 289D' .20' ' M75' : A560N ' 43' 49D0D' 4.' ; 0' 97.' 8' : 8.058" A.' .20' "0B09D' 57A9D' .20' .@ : 0' 46' 97.' # ' ; A.' # &47' 4 ' A9D05' <24=2' 01 : 5066479' .20' C : 0575' : 0528 : 6' <4620D' .7' .08=2' .20' #7C89' : 07 : "0' .28.' 49' : 8@49B' 8"" 2797A5' 89D' 605?4=0' .7' .20' B7D6 ' <86' .20' <8@' .7' : 57=00D' 49' .20' : 8.2' 73' 98.4798" 4C : 57?0C09. ' .7' : 50605?0' :08=0' <4.2' .2045' 904B2 ; 7A56 ' 89D' .7' 49=50860' .20' 305.4"4.@' 73' .2045' =7A9.5@* 1 00' $ 0 ! & ' & Y (4.2' 5030509=0' .7' .20' #! ' ' #' C : 0548" 40.@' 8' <75D' 75' .<7' C8@' 2050' ;0' 684D' 506 : 0=.49B' =7496' 73' 8.4D48 ' 79' <24=2' T' ABA6.' 40.@U' 8 : : 0856' 86' 8' 30C8"0' 6.89D49B' ; 0.<009' .<7' =2 .2509 ' 8"67' 506 : 0=.49B' 8' 5850' C0D8" 73' 8A6.498 ' <430' 73' 9.7949A6' 4A6 ' 79' .20' 50G ?0560' 73' <24=2' .28.' : 549=066' 46' 6009' 608.0D' 49' 89' 0"0?8.0D' : "8=0' 49' .20' 8=.' 73' 50=04?49B' 357C' #7C89' C8.5796' .2045' 49389.' D8AB2.056 ' 375' .20' ; 090?7"09.' : A5 : 760' 73' 0DA=8.49B' 89D' : 57?4D49B' 375' .20C ' 86' 46' 3A5.205' 4"" A6.58.0D' ; @' .20' "0B09D' 73' ' *

9' 8' =749' ; 0"79B49B' .7' .20' 9.7948' 38C4"@' # 3' 46' 50 : 50609.0D' 6.89D49B' <4.2' 8' "4B2.0D' 8".85' 49' 205' 54B2.' 289D ' 89D' <4.2' 8' =7CA=7 : 4=0' 49' 205' "03.# 9' 8' =749' 73' 58 89 ' 620' 8 : : 0856' <4.2' 8' =8DA=0A6' 49' 790' 289D' 89D' =7CA=7 : 400' 49' .20' 7.205 ' 89D' 79' =7496' 73' 796.89.490' .20' &508. ' 40.@' 46' 50 : 50609.0D' A9D05' .20' 4C8B0' 73' 8' 67"D405 ' <27' 27"D6' 49' 246' 54B2.' 289D' 8' B"7 ; 0 ' <4.2' .20' A6A8" C797B58C' 73' 2546. ' 89D' 49' .20' "03.' 8' 286.8 ' <4.2' .20' =45=AC6=54 : .479' #! ' 2 2

(? ' 3456.' ; 5866' 73' 8"4B4D8 ' 8' ?05@' ; 08A.439" .27AB2' 97.' 8' ?05@' 5850' =749 ' 286' 79' 790' 64D0' .20' M DD666' 40.@' 608.0D ' <4.2' : 8.058' 49' 205' 54B2.' 289D ' 89D' 79' .20' 7.205' 64D0' 850' .2500' 34BA506' 68=5434=49B' 8' ; A"" ; 03750' 8' .0C : "0' 73' 641' 07"9C96 ' 54=2"@' 7598C09.0D/ .2A6' 50 : 50G 609.49B' D4?490' 2797A56' : 84D' .7' ABA6.A6 ' 89D' 49D4=8.49B' .20' : 47A6' 8330=.479' : 5730660D' ; @' 8"4BA"8' 375' .20' C0C75@' 73' 246' D04340D' : 57E' B0A4.75* 1 .' .20' ; 7..7C' 73' .20' 7 ; ?0560' 46' .20' ' 89D' 57A9D' .20' 34BA50' 46' .246' " 09D ' # #' ' & 3_' #61 + ' 4 ' # $ ' ' 9 6 ' # ' # ' # 1 20' 496=54 : .479' 73' .20' 50?0560' 01 : "8496' .7' <27C' .20' 68=5434=0' <86' 733050D ' 98C0"@' ' &# # # 7' .20' D4?490' ABA6.A6 ' ; @' D0=500' 73' .20' 098.0* ' 8' 6A598C0' 73' # 9.79496 ' ' ; 57.205' 73' 85F' 9.79@' .20' .54AC?45# ==75D49B' .7' 479 ' 20' 866AC0D' .246' 8DD4.479' .7' 246' 98C0' DA549B' 246' =796A"8.0' 49' .20' @085' 7.' #7C0' , H ' 7A.' 73' 358.0598" :40.@' .7 < 85D6' 85=A6 ' .209' 8 ; 609.' 49' .20' 05A649489' <85# 246' 8==7A9.6' 375' .20' "0B09D' 73' #! ' " ' <4.2' .20' .@ : 0' 73' 8' <7C89' 6.89D49B' <4.2' 5ADD05' 89D' =759A=7 : 4.0 ' 89D' 6.75F' 8.' 205' 300. ' 8 : : 08549B' 79' 8' D09854A6' 73' # 9.79496 ' <27' =8A60D' 4.' .7' ; 0' 6.5A=F' 49' C0C75@' 73' .20' 8=.# .75F6' <050' =27609' 86' 6@C ; 7"6' 73' 40.@' ; 0=8A60' 4.' <86' ; 0"40?0D' 73' .20C' .28.' .20@' 6A : : 75.0D' 79' .2045' <49B6' .2045' : 8509.6' <209' 09300 ; "0D' ; @' 7"D' 8B0*

0I8C:"0' 73' 58 89' 89D' 9.794996 ' <86' 89' 7:49479' 37A9D0D' 79' 0I.50C0' :57;8;4"4.@ ' 375' .20' <75D' + 5' 73.09' 8: :0856' A60D' 49' =79 A9=.479' <4.2' 8' <7C89' .8F49B' =850' 73' =24"D509 ' 49' :"8=0' 73' <24=2' $ T E ' 97<' =7C06' .20' 60"3E68C0' B78.' <24=2' 9A5.A50D'K7?0' 73' 7"D' 0?05.20"066' .2050' <86' 790' 05AD4.0' <54.05' <27' D46609.0D' 357C' .246' 49.05:50.8.479*1 9' .20' 90I.' :"8=0' 4.' 46' .7' 20' 7;605?0D' 506:0=.49B' .20' <75D' # ' .28.' 4.' 46' :0528:6' 498D?05.09."@' <54..09' 375' # ' 60049B' .28.' .2050' 850' =7496' 496=54;0D' # ' , # ' <54..09' 6275.' 375' # 8WW' 9D' .20' 98C0' 73' 8"05489A6' 8==75D49B' .7' .20' "0IE' 89D4498' =7496' <86' 8:: "40D' .7' &8""409A6' .27AB2' 4.' C750' :57:05"@' ;0"79B0D' .7' 246' 38.205' ;57.205' 89D' 679*U

' ' & # *1 ' 2500' 34BA506' 6.89D49B' 08=2' ="7.20D' 49' .20' :8"AD8C0A.AC' 89D' 08=2' 27"D49B' 8' 6:085' 89D' 6240"D' .20' C4DD"0' 34BA50' <24=2' 46' .20' .8""06.' 286' .20' 94C;A6' 7?05' 4.6' 208D*' 20' 34BA50' 79' .20' "03.' 46' 67C0<28.' 6275.05' 89D' .28.' 79' .20' 54B2.' 6275.05' 6.4""' ;7.2' 850' <4.27A.' .20' 94C;A6' 49' .20' 0I05BA0' $ 1 2050' 850' .<7' B7"D' =7496' 73' 8"0A6' 73' A9A6A8*" <04B2.' 89D' 64C4"85' .7' 08=2' 7.205' 49' .20' C:0548"* =8;490.' 8.' 40998' ;085G 49B' .246' 649BA"85' "0B09D' 89D' .@:0*1 =F20" ' 49' D06=54;49B' .20C' 7;605?06' 86' 37""7<6/1 T' 28.' .20' .2500' A:54B2.' 34BA506' 850' 8"" 73' .20C' C09' 73' .20' C:0548"* 27A60' .20' .54:"4=8.0' * 89D' * "08?0' 97' D7A;.*' A549B' .20' 504B9' 73' 8"096' .2050' <050' 79' .<7'7==864796'.2500' 49' =7""08BA0E 624:' <4.2' 08=2' 7.205* 456.' .20' .<7' ;57.2056 V 89D' ' 89D' 4 ' .20' 679' 73' 8"09.49489* .' 8' "8.05':0547D' M 8"09.494E' 89A6' .20' 3456" ;049B' D08DN' .2050' <050' ' 89D' 246' .<7' 90:20<6' M6796' 73' .20' 3456.' 8"09.49XE' 89A6N' 4 ' 89D' ' 20' 3456.' .547' =8997.' ;0' 49.09D0D' .7' ;0' 50:506 609.0D' 79' .20' =7496' 97<' 49' SA06.479' 375' .20' 2797A5' 73' .20') ' M75' =45="0.' 73' B"75@N' <7A"D' 97.' 28?0' ;009' D0940D' .7' 8"096' <27' 504B90D' 49' .20' 86.' <4.2' 0SA8" :7<05' .7' .28.' <4.2' <24=2' 8"09.49489A6' B7?0590D' .20' P (06.' 83.05' <24=2' 3862479' 79' 897.205' =749' 73' 8"096' 496=54;0D' & 4 ' <0' ' 08=2' ;57.205' 608.SD' 79' 8' =7CC79' .25790' 89D' 08=2' 8D7590D' <4.2' .20' 503A"B09.') ' .' 46' .20503750' .7' 20' 20"D' ."48.' .2060' =7496' <050' 6.5A=F' 83.05' .20' D08.2' 73' 8"09.49489A6' * ' 89D' .28.' 20' <27' 6.89D6' 49' .20' C4D6.' 46' 8"096' MA9="0' .7' &58.489' 89D' .7' 8"09.49489' .20' 0=79DN' .7' <27C' .20' 2797A5' 73' .20' 94C;A6' 46' 0I="A64?0"@' B4?09' 357C' .20' B508.05'50?050=0' DA0' .7' C750' 8D?89=0D' 4 *U ' & ' * * 7' .20' :40.@' 73' .20' C:5066*1 9' 8' 3456.' ;5866' M;08549B' 79' 4.6' 7;?0560' .20' 208D' 73' KA"48' 79C8' <4.2' .20' 496=54:.479' ! O! ' & A' .20' 8;7?0' "0B09D' 8:: 0856' 57A9D' 4.6' 7;?0560' .20' .@:0' 73' <24=2' 50:50609.6' 8' C4"4.85@' 34BA50' =57<90D' <4.2' "8A50" ' 89D' B4?49B' 246' 289D' .7' 897.205' 34BA50' ="7.20D' 49' .20' .7B8* 9' .20' C4D6.' 73' .2060' .<7' 6.89D6' 8' .245D' 8"67' 49' .20' .7B8' 89D' <08549B' 8;085D* 8?05=8C:' M49' 246' 97.06' 79' .20' %A009' 73' <0D09L6' 8;490.N' 50305G' .246' 3490' C0D8" .7' 858=8""8' 89D' &0.8' .20' 6796' 73' 0?0C6' 89D' 73' 246' C:5066* T 20' 098.0' M20' 7;605?06N' 49' =8A649B' 4.' .7' ;0' 6.5A=F' 0?4D09."@' 49.09D0D' .7' 50=75D' .2050;@' .20' ?7<6' <24=2' .20@' 28D' :A.' A:' 375' .20' 06.8;"462C09.' 73' A9479' 89D' B77D' A9D05G 6.89D49B' ;0.<009' .20' .<7' ;57.2056 1 89' A9479' <24=2' C4B2.' 28?0' 6A;646.0D' 28D' 790' 73' .20C' D0?7.0D' 246' 8..09.479' .7' <85"4F0' 8338456' 89D' .20' 7.205' 8:: "40D' 24C60"3' .7' .2760' =75C0=.0D' <4.2' .20' =4?4" B7?059C09.* A.' 49' SA06.4796' 73' 67?0504B9' :7<05' 89D' 5A"0' ! ' 0 0 ' ' ' N ' * * # ' '6 1 9' =7496' 73' ! 8A6.498' A9475' <27' <86 .20' D8AB2.05' 73' 9.7949A6' 4A6* ' * # ' ! 1 246' 46' 508D' 79' =7496' 73' * A50"4A6' 0:.* 0?0C6' &0.8' 89D' 858G =8""8* # ' ! 1 00' + ' + ':' "67' # ' # #4 *1 00' $ &' & 3! ' C ' ' 79' =7496' 73' '. M # ' 8' ;7990.' 75' =8:' =7C:760D' ;@' .20' 89=409.6' A64AD"@' 73' <7?09' <77"* 20' 375C' 73' .20' #7C89' + ' <86' ?8540D' 67C0' <050' 57A9D' 7.2056' 5060C;"0D' .20' 20"C0.' 7.2056' <050' 628:0D' 8"C76.' "4F0' 8' :@58C4D' 7.2056' 8B849' <050' 73' 8' C750' D0:50660D' 375C* 20' #7C896' 375' .20' C76.' :85.' <09.' <4.2' .20' 208D' 98F0D' 89D' D46G :0960D' 8".7B0.205' <4.2' .20' A60' 73' =8:6' 0I=0:.' 79' 50"4B47A6' 7==864796' 89D' .20' ' 75' <209' 79' 7AC406' 89D' 79' C4"4.85@' 605?4=0* 2050' 850' C7507?05' 0I8C:"06' 73' .20' 64=F' .20' 8B0D' C09' 89D' .20' 90<"@' 8" 89=2460D' M.20' "8..05' 49' .7F09' 73' "4;05.@N' <08549B' .20' + # '$:' .28.' 46' .7' 68@' .20') ' & ' ') ' ' + 1 86.75' 89D' 7""AI' 75' .20' 476=A54' 850' 67' =8""0D' ;0=8A60' .20@' 850' 50:50609.0D' <4.2' =8:6' 79' .2045' 208D6* # ' + ' .20' ;7990.0D' 208D' 73' 4;05.@' 8:: 0856' 79' 8' =749' 73' .20' # ' 38C4"@* # ' 1 <7' =8:6' 6A5C7A9.0D' ;@' 6.856' 49D4=8.0' .20' . ' 86.75' 89D' 7""AI' <050' C85F0D' ;@' 6.856' ;0=8A60' .2760' 6.856' .20C60"?06' <050' ;0"40?0D' .7' 605?0' 86' 8' BA4D0' .7' C8549056* 1' 20' 6.8550D' =8:6' 73' .20' . ' 850' 37A9D' 79' =7496' 73' .20' ' ! ' 89D') '38C4"@* 20' '=7?056' .20' 208D' 73' =05.849' :57?49=06' 79' #7C89' =7496' 73' .20' 476=A54' 79' =796A"85' =7496' 89D' 4.' 8"67' 8:: 0856' 79' 60?058"' 73' .20' 4C:0548"' 605406' A6A8""@' 86' 8' :57?49=48"' 75' 37504B9' 208DED5066* 20' # ' 75' =8:' 73' 4;05.@' 8:: 0856' ;0.<009' .<7' D8BB056' 79' 8' =0"0;58.0D' D09854A6' 73' .20' - '38C4"@* 1 00' ! ' $' 89D' O!$ $ ' :' *' 4 ' 1 "67' 9' =7496' 73' .20' # ' 89D' F ' 38C4#06* 1 20' # ' <86' 49' 38=.' .20' =7CC79' 6@C;7"' 73' "4;05.@' 8C79B6.' .20' #7C896' 89D' 4.' <86' B4?09' .7' <27C670?05' 0C89=4:8.479' 357C' 8' 6.8.0' 73' 6057?4.AD0' <86' B589.0D' 49' .7F09' 73' 3500D7C' =7930550D' 86' 6A=2' 4.' 7==A56' 79' 9AC057A6' =7496;7.2' 49' .20' 796A"85' 89D' 49' .20' C:0548"* 605406* 1 20' 25@B489' # ' <86' =A5?0D' 8.' .20' 0I.50C4.@* 246' 46' 7;605?0D' 79' =7496' <2050' .20' B7D' ' 8"67' ' .20' =7C:89479' 73' @;0"0' 89D' ' .20' 679' 73' 09086' 850' 8D7590D' <4.2' 4.* * +* # ' 1 9' 8' 3456.';5866' 73' 7CC7DA6

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' 8' C76.' 89=409.' #7C89' 38C4"@ ' 73' .20' : 8.5=489' 75D05* 1 .' <86' 8"508D@' 8' 58=0' 73' B508.' 5097<9' 49' .20' .4C06' 73' .20' C7985=2@#' ==75D49B' .7' 4?@' .20' 498544 ' .7B0.205' <4.2' .20' 7.4.44 ' 28D' ;009' 8 : : 749.0D' ;@' ?89D05' .7' .20' C4946.58.479' 73' 68=50D' 54B2.6' : 84D' .7' 05=A"06#' 20' 6A598C06' 73' .246' 38C4"@' 850' ' 89D' F + *1 .6' =7496' =79646.' 73' .09' ?8540.406#' 7CO' 73' .20' ; 5866' : 40=06' 850' .20' ' 75' : 85.6' 73' .20' ' 9D' .2050' 850' 7.2056' <24=2' <050' 6.5A=F' 49' 279795' 73' 85F' 9.79@*

20' 37 7<49B 6' 49' 64"?05 ' 89D' ?05@'5850 ' ?4\W/ 1

' ' ' ' 4444* 1 08D' 73' KA : 4.05'

CC79*

6 1 4=.75@' <8"F49B*

9' 897.205 ' 89D' .20' 58506. ' D09854A6' 73' .246' 30C4"@ ' B4?09' 49' .20' 0C ; 57F0' =7"" 0=.479 ' .20' 7 ; ?0560' 0124 ; 4.6'

' ' - ' ! ' ! # ' ! ! ! ! '

' ' ' ' + '

/ ' 08D' 73' KA : 4.05' CC79* 1 6 '

4 (1 ' ! # ' ' "0B47985@' 08B"0' ; 0.<009' .<7' 0964B96 ' 496=54 ; 0D' o ' ?444*

20' 37""7<49B' 850' 8"67' 8C79B6.' .20' 5850' D09854#' 73' 49854A6' =85 : A6/ 1

#' 4?4' : ' ?7 ' 1 4=.75@' 6.89DG 49B' <4.2' =57<9' 49' 54B24.' 289D ' 89D' : 8"C' ; 589=2' 49' "03.*

6 1 ' 4' ' ' 9' 7 : 09' 289D' 49' .20' C4DD"0' 73' .20' 340"D*

& ' ' ' 1 4=.75@' 6.89D49B' 79' 8 ' B"7 ; 0 ' 27"D6' 7A.' 8 ' =57<9' 49' 205' 54B2.' 289D*

6 1 ' ' ' ' ' 2AC89' 289D' 49' .20' 340"D' 73' .20' =749*

' 3456.' ; 5866' C0D8"' <4.2' .20' =79 7490D8 : 75E .584.6' 73' 9.79@' 89D' "07 : 8.58 ' 286' ' # ! $ ' 4 (1 ' (' (' 89D' 8' 624 :' <4.2' 684#" 6 : 508D' 79' 4.6' 50?0560 ' B4?09' 49' 9B0"794#' 20' =7496' <24=2' 2850' . ; 0' .@ : 0' 73' KA : 4.05' CC79' 49D4=8.0' .28.' .20@' <050' 6.5A=F' 49' B@ : . ' ; 0.<009' .20' @0856' , a' 89D' > *

20' D8.0' 73' .20' 3456.' D09854A6 ' 496=5420D' =76#' ' M64B943@49B' .28.' .20' 279795' 73' .20' 796A"8.0' <86' .209' 375' .20' .245D' .4C0' 09 7@0D' ; @' # 9.79@N ' 46' .2050 ; @' 86=05.8490D' .7' ; 0' .20' @085' ?*=# >H# 20' 8==7A9.' B4?09' ; @' 479' 46' 0C4909.'@' 605?4=08 ; "0' 49' 0I : "B4949B' .246' C0D8"' ?4*/ 28.' 9.79@' 83.05' 246' D0308.' 8.' =.49C' D450=.0D' 246' =7A560' 49.7' 354=8' .7' 749' 49854A6' =85 : A6 ' <27' <86' 6.8.4790D' .2050' <4.2' 89' 85C@' .7' D0309D' B@ : . ' ; A.' .28. ' 97.' ; 049B' 50=04?0D' ; @' =85 : A6 ' 20' <86' 7 ; "4B0D' .7' : 57=00D' 49' 897.205' D450=.479 ' <4.27A.' 8..84949B' 246' 7 ; 0=.# 2050' 46' 97' D79 ; .' .28.' .20' =85 : A6' <2760' 98C0' 8 : : 0856' 79' .246' D09854A6' <86' .28.' 49D4?4DA8" ' 375' 4.' <86' 3456.' 6.5A=F' 96.' 8 ; 7A.' .20' .4C0' 73' 9.79@L6' D7<938""# 7507?05' .20' .@ : 0' 73' KA : 4.05' CC79' : 749.6' .7' .20' 354=89' 56030=.A50' 20"D' ; @' 42854A6#' .' C8@' ; 0' =79="AD0D' ; 20503750 ' .28.' .20' : 50609.' =749' <86' 6.5A=F' 49' .28.' : 57?49=0#' 20' D09854A6' 73' .20' 0C ; 57F0' A60AC ' 8"67' 8 ; 7?0' SA7.0D' 620<6' ; @' .20' C4"4.85@' 6.89D85D6' M89D' 496=54 : .479' ' N' 79' 4. ' .28.' .20' =792989D' 73' .20' 85C@' 28D' D0?7"?0D' 79' =85 : A6# 9D' .20' 7 : 49479' <24=2 ' 79' .246' : 749. ' ' 28?0' A6.' 6.8.0D ' 46' 3A""@' ; 7590' 7A.' ; @' 8' ; 5866' =749' : A ; "4620D' 49' 9B0"7A4L6' <75F' .20' "0B09D' 73' <24=2 ' 43' 54B2."@' B4?09' 3A5946206' 96' <4.2' 4?6' 86' .20' : 50A7C09' 73' 49854A6 ' 89D' .20'"0..056' # ' D097.49B' 246' 354=89' B7?05975624 : * 1 M =F20"# ?7"# ?*# : *# > >*N

' M N# (4.249' 8' =57<9# 1 2060' <75D6' 8 : : 085' 79' 8' 60=79D' ; 5866 ' 28?49B' 79' 4.6' 7 ; ?0560' .20' 208D' 73' 8D5489 ' 89D' 79' .20' 50?0560' o ! ' # ! " ! ' 85D94A ' 89D' 0?09' 570"4=2' 89D' 750 ' 28?0' .27AB2.' 4.' 50"8.0D' .7' =79.06.6' 75' 308.6' 73' <506."49B ' =*' =0"0 ; 58.0D' 49' 279795' 73' ' 8D5489A6 ' 8.' 6 ' 49' 70648# A.' =F20"# D433056' 09.450"@' 357C' .246' 7 : 49479 1 7 ; 605?49B' V.28.' 4.' 46' 97.' =50D4 ; "0' .28.' B8C06' <24=2' 50SA450D' B508.' 0I : 0960' 89D' ?86.' : 50 : 858.4796' 627A"D' 28?0' ; 009' 496.4.A.0D' 49' 89' 49=7964D058 ; "0' 89D' 6=85=0"@' F97<9' .7<9' 73' 70648 ' 06 : 0=48""@' 86' .2050' 46'97.' 8' 649B"0' 018C : "0' 73' B8C06' 496=54 ; 0D' 79' =7496' 73' =4.406' 49' .28.' .58=.' 73' =7A9.5@# A.' M20' 8DD6M' <0' 28?0' C89@' =7496' 6.5A=F' 49' .28.' 50 : 79' <24=2' =7CC0C758.0'

8 ' 75' C4906 1 6A=2' 86' .20' 8"C8.489 ' 89E' 979489 ' 89D' 85D89489 ' <4.2' <24=2' .20' 8 ; 7?0' =749' =749=4D06' 49' <75FC89624 : ' C8B94.AD0 ' 89D' 8"67' 49' 8B0 ' 375' 79"@' <4.2' .20' 208D' 73' 58 89' 89D' 73' 8D5489' 28?0' <0' =7496' 73' .20' C4906' " ' % ' 8.' "086.' .28.' 850' =05.849# 75' D706' .20' .@ : 0' 73' .246' =749' D43305' 357C' .20' 3862479' 73' .2760 ' 375' .20' 0 : 4B58 : 2' <4.249' 8' =57<9' 73' "8A50"# 8 : : 0856' 8"67' 49' .20' T ' ' 89D' .20' ' ' 3' .20503750 ' <0' 6A : : "@' .20' 7C4..0D' <75D' ' <24=2' 8"67' <0' 600' 6A : : 50660D' 49' .20' 496.89=06' 73' .<7' =7496' 73' 58 89 ' 496=54 ; 0D' $! " ! ' <0' 628""# 28?0' .20' C76.' 6A4.8 ; "0' 49.05 : 50.8.479' 73' . ; 0' C08949B' o o ' $ o ! ' # ! " ! ' D7A ; ."066' =8""0D' ' 357C' .2045' 8A.275' ' ; ' 86' <0' 600' .20' <75D' 8 + ' A60D' .7' D064B98.0' .20' ' 6.5A=F' ; @' 75D05' 73' 8 + ' 58 8996 ' 89D' # ' 357C' 490A6 ' 8.' <24=2' =4.@' .20@ 050' 38 ; 54=8.0D*U

* 1 00' ! ' # ; ' 79' =7496' 73' 9.7949A6' 4A6*

' # ' ' # # # #' # + # # # ' # # * 1 0 : .A90' 6.89D49B ' ; 46' "03.' 377.' : "8=0D' 79' .20' : 57<' 73' 8' ?0660" ' 8' D7" : 249' 49' 246' 54B2.' 289D* 1 : : 764.0' 46' .20' 34BA50' 73' .20' C : 0575 ' ="7.20D' 49' .20' .7B8 ' 89D' ?020D ' <4.2' 8 ' : 8.058' 49' 246' 54B2.' 289D ' 68=5434=49B' 8.' 89' 8".85* 1 5866' C0D8""479' 73' 7CC7DA6*

20' 649BA"85' 375C' 75' <75D6' 496=54 ; 0D' 79' .246' 50?0560' =F20"# <7A"D' =7964D05' .7' 50"8.0' .7' 20' ' + ' D46=285B0D' 49' .20' @085' <209' .20' =749' <86' 6.5A=F' M8 ; 7A.' ' , a N# T' 4D'97.' .20' .@ : 0' 73' 0 : .A90' C4"4.8.0' 8B8496.' 6A=2' 89' 49.05 : 50.8G .479# 0528 : 6' .20503750 ' .246' .@ : 0' 286E8' 50.57G 6 : 0=.4?0' 8""A6479' .7' 67C0' 608' ?7@8B0' 6A=2' 86' 8C : 54D4A6' .0""6' 96# (86' 73.09' 8997A9=0D' .7' ; 0' 49' =79.0C : "8.479' ; @' 7CC7DA6' 04.205' 375' .5A0' 75' 375' 34=.4.47A6' 5086796*U

' 8' 9@C : 2' .5896375C0D' 49.7' 8' 37A9.849# 05' 0334B@' 8 : : 0856' 79' 8' =7"7948"# =749' 73' 7549.2 ' 6.5A=F' A9D05' 0 : .4C4A6' 0?05A6 ' 89D' 8"67' 79' 790' 73' .20' 68C0' =7"79@' D0D4=8.0D' .7' "89.4"8*E M 74 89.L6' 7"# 44* ' : : * a' 89D' [, N# 20' .@ : 0' 50 : 50609.6' 205' 64..49B' 79' 8' 57=F ' <4.2' 8' =A : ' 49' 205' 54B2.' 289D*' 45090' 46' 608.0D' 79' 8' 57=F@' 24"" ' .7' 49D4=8.0' .20' =4.@' 73' 7549.2 ' <2050' 620' E<86' <75624 : : 0D ' 89D' 205' 6 : 549B' 73' <8.05' 3"7<0D' 49.7

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98F0D' :489' 79444 9B ' 27"D49B' 67C0.249B' 4 :' 08=2' 289D# # Y# Ý þ

T' .' <050' <085467C 0' M68@6L 34F20"'" .7' D0.84"# 49' <28.' C89905 ; 7.2' 84""89.' 89D' "8 05=8C :' 28.0' 8..0C :.0D' .7' 0I :"849' .20' D79; .30D' .@ : 0 ' <24=2' 8 : :0856' 79' .20' 8 ; 7?0' =749' M 7# *N' .249F' 4.' ; 0..05 ' .28.' .20' : 749.' 627A"D' ; 0' "03.' 49' 8' 6.8.0' 73' A9=05.849.@*U

20' =7496' 9AC ; 050D' *' 89D' # 73' .20' 8 ; 7?0' ; 085' 50=75D' .7' .20' =A9D0' 0D4"0624 :' 9 *N 73' ".0.754A6# 4=057' 24C60"3' 97.4=06' "8=.754A6' 86' 28?49B' =79DA=.0D' 24C60"3' C0C75G 8 ; "@' 49' .28.' C8B46.58=@' 89D' .20' .@ : 06' 73' .20' =7496' 600C' .7' 8""AD0' .7' .20' 68C 0?38=.# 20' ' : "8=06' .246' ; 0@79D' D46 : A.0# 20' 08B"0' 89D' .20' .9550.0D' ; 08D' 73' @ ; 0"0' 49D4=8.0' .28.' .20' : A ; "4=' B8C06' 68=50D' .7' KA : 4.05' 89D' 8.05' 8B98' <050 ' 86' A6A8" ' =8A60D' .7' ; 0' : 05G 375C0D' ; @' .20' 095A"0' 0D4"06# A.' .20' ; A6.' 73' .20' 30C8"0' <49B0D' 89D' 20"C0.0D' 79' =749' 7* * ' A9"066' 4.' ; 0' 8' : 89. ; 079 ' <24=2' .20' 79479' 73' 8..54 ; A.06' <7A"D' 600C' .7' 620 <' 46' 73' .20' 094BC8.4=8" F49D# 75' 850' .20' =7496 # 89D' # 6A334=409."@ 7 : 09' .7' 8' 58.4798" 49.05 : 50.8.479 ' .7' C8F0' 4.' <75.2' <24"0' .7' D<0"" A : 7# .20' 49?06.4B8G .479' 73' .2045' 506 : 0=.4?0' C0899B6*

' .20' 6A598C0' 73' .20' ' 38C4"@*

' ' * 1 20 ; 850'208D' 73' A98.4A6' "89=A6*

6 ' # " M# ' " =5?# (i ' '

? ' & ' ' C0D8" ' 49' "85B0' 89D' C4DD"0' ; 5866 ' ; 08549B' .20'8 ; 7?0"0B09D' 89D' .@ : 0 ' 375C05"@' ; 0""79B0D' .7' .20' =8 ; 490.' 73' # L 93"05@# ' 64C4"85' 790' <86' : A ; "4620D' ; @' &7".\4A6 ' 8AD ' 8.' 8' CA=2' "8.05' : 0547D ' <86' B4?09' 49' 4.20' 0C ; 57F0' =7""0=.479 ' ; A.' 49' ; 7.2' .2060' 496.89=06' .20' <75D' =76' 46' <89.49B*

'Ý 20' 8A.275' 73' .20' ' ' I, 3' : 57G 306606' .7' 50B85D' 08=2' 73' .2060' =7496' 86' B09A490"@' 89.4SA0' 89D' 6A : : 7606' .20C' .7"28?0' ; 009' 6.5A=F' ; @' .20' 'M : 07 : "0' 73' @79 ' 49' 589=0N' 49' B58.4.ADD' .7' # A98.4A6' "89=A6 ' <27' : "89.0D' .28.' =7"79@' 73' .20' #7C896# M =F20"' ?"* ' >[*N' 246' 0I.50C0"@' 5850' C0D8"# =7A"D' 97. ' 49' .20' 7 : 49479' 73' # 46=79.4 ' 28?0' ; 009' 466A0D' 86' C790@# T' #' 46' F97<9 U' 68@6'.246' "08590D' 9AC466 C8.46.' .28.' T 79' .20' 7==86479' 73' 3086.6' 89D' 73' 3A9058" B8C06 ' C0D8"6' <050' 6.5A=F ' <24=2' 605?0D' 86' ' 75' 8DC46647 9' .4=F0.6' .7' .20' : A ; "4=' 627<6 ' 89D' <050' D46.54 ; A.0D' 8C79B' .20' : 07 : "0* 1 ' 20' 790' ; 0375 0' 96' 0I 24 ; 4.6' 79' 790' 64D0' .20' ; 08D' 73' # ' 8.' 8' ?05@' 8D?89=0D' 8B0# 20' "0B09D' 50=75D6' 246' 98C0' 89D' D4B94.N ' #0 " ' " ' M "89=A6' 796A"N# 20' .@ : 0' 73' .20' 50?0560' 46' 8' 50 : 50609.8.479' 73' .20' =4?4=' =57<9 ' <24=2' .28.' =796A" 28D' =8A60D' .7' ; 0' 733050D' ; @' .20' 098.0' .7' =.8?489 ' <4.2' .20' .4."0' 73' ' 89D' <24=2' XE ' .7' ; 0' 6A6 : 09D0D' ; 03750' .20' B8.0' 73' 246' : 8"8=0# 20' 496=54 : .479 ' 09B58?0D' <4.249' .20' =09.50' 73' .246' =57<9 ' 8997A9=06' 4.' .7' 28?0' ; 009' D0=500D' ; @' .20' 098.0' 89D' ; @' .; 0 #7C89' : 07 : "0' .7' .20' 68?47A5' 73' .20' =4.4\096' 6* : *j'* # '& ! # *U 1 M 00' + '6 ' 85.' 4 ' : # , [*N

2050' 850 ' 86' 46' <0""F97<9 ' .2500' C750' C0D8"6 ' <24=2' 50=8"" .7' C49D' .20' D4B94.406' <4.2' <24=2 .20' f' 796A"# "89=A6V <86' 49?50.0D*/ E 20' 3456.' 46' 8' D0A85496 ' ; 08549B' 79' 790' 64D0' .20' 208D' 73' - ' ' ' <4.2' .20' "0B09D' ' @' 89D' 79' .20L' 50?0560' # ' ' # 4="4 (' 44* 1 20' 60=79D' 46' 8' B7"D' =749# 73' .20' =796A"85' ="866 ' 28?49B' ' .6' 7 ; ?0560' # #' # #* ' <4.2 '8' 208D' 73' 4=.75 ' <49B0D' 79' .20' 627A"D056 ' 89D' 79' .20' 50?0560' .20' 68=5434=48" ?860' 98C0D' # $ ' A60D' .7' =79.849' .20' <490' <4.2' <24=2' .20' ?4=.4C' <86' 6 : 549F"0D' 8.' .20' 8".85* 1 20' "0B09DN' # ' # * 75' #* # * ' 46' .20' 68C0' 86' .20' : 50=0D49B' 790*

20' .245D' 46' 8' D09854A6 ' 496=54 ; 0D' 79' 4.6' 50?0560' ' 4?6' # ' * 1 00' & '9 # ' 83.05' 606851L6' D08.2 ' "0890D' 67C0G .4C06' .7<85D6' 790' 64D0 ' 67C0.4C06' .7<85D6' 897.205 ' 8"<8@6 ' 27<0?05 ' D0="8549B' 24C60"3' 49' 334?7A5' 73' .20' D7C4989.' : 85.@# 9' 8 ; "0' 89D' : 5737A9D' : 7"4.4=489 ' 357C' .20' C7C09.' .28.' 20' 68<' =4?4" <85' 8 : : 578=249B ' 20' D0=4D0D' 375' =.8?489 ' .7' <27C' 0?05@' : 57 ; 8 ; 4"4.@' 8ABA50D' 6A==066# '5034A0D' 89D' 24B2"@' =A".4?8.0D' 49.0""0=. ' 89' 0I SA464.0' "4.0585@' .86.0 ' 8' : 5AD09.' .27AB2' .4C4D' =79DA=. ' 8' ?=2858=.050' <2760' 6A : . "09066 =7A"D' 8==7CC7D8.0' 4.60"'3' .7' .4C06' 89D' =4509CE' 6.89=06 1 .2060' <050' .20' SA8"4.406' <24=2 ' 8DD0D' .7' B508.' 6F4"" 49' .20' C898B0C09.' 73' : A ; "4=' 8338456 ' ; 7.2' =4?4" 8AD' C4"4.85@ ' .7B0.205' <4.2' .20' 38?7A56' 73' 375.A90 ' =85540D' ' # ' .7' .20' : 4998="0' 73' 2797A56' 89D' D4B94.406' A9D05' KA"4A6' 60685' 99D05' 85F' 9.79@ ' 89D' A9D05' =.8?489# A549B' 246' 430.4C0' 20' 28D' =8A60D' 8' C8B9434=09.' C8A67"0AC' .7' ; 0' ; C" .' 9085' &80.8 ' 79' 89' 0C4909=0' < 24=2' =7CC89D0D' 8' ?40<' 73' .20' 608 ' <2050' 20' D7A ; ."066' ; 8D' 8' ?4""8# 246' C79AG' C09. ' <24=2' 286' ; 009' : 50605?0D' .7' .20' : 50609.' .4C0' 46' D06=54 ; 0D ' 8' C7D0# 73' : A54.@' 49' 4.6' D064B9' 89D' 73' 0"0B89=0' 49' 4.6' 7598C09.6 ' .2A6' : 57?49B' .20' B77D' .86.0' 73' .20' 49D4?4DA8# <27' 28D' D06.490D' 4.' .7' =79.849' 246' 86206* 1 2050' 46' @0.' .7' ; 0' 6009 ' 49' .20' =7A5.' 73' .20' 7.0# D0' 4""0' 8.' 86"0' 49' <4.\05"89D' .20' 6.8.A0' <24=2' .28.' =4.@' 58460D' 49' , [> ' .7' .20' C0C75@' 73' # 3SA9D05' 73' .20' #7C89' =7""79@' 73' ' " 6 %

20' 496=54 : .479' 79' .20' 8 ; 7?0EC09.4790D' C79AG' C09.' 8.' &80.8 ' 73' <24=2' &5A.05' 3A5946206' .20' 37""7<49B' =7 : @' ="085"@' 0I : "8496' .2760' 79' .20' D098544' 89D' 7.205' =7496' 73' .20' '38C4"@/ 1 ' ' ' ! ' ' # ' # ' ' ' + ' ' ' + ' + ' 6 ' 'F 8 $ ' ') ' ' ' ' * ' ' 4 ' ' ' '6 ' T 904A8 A98E' .496' "89=A6 ' 679' 73' A=4A6 ' B589D679' 73' A=4A6 ' B508.' B589D679' 73' A=486/ 796A"' 09675 ' D0G' ="850D' B09058" 73' .20' 85C@' 375' .20' 60=79D' .4C0 ' 790' 73' .20' 60?09' 6A : 0549.09D09.6' 73' .20' ; 89SA0.' 73' . ; 0' B7D6 ' .54AC : 20D' 7?05' .20' # 240.4' ; A4".' 7A.' 73' .20' 6 : 7 6' 73' .20' 090C@ ' .20' .0C : "0' 73' 8.A59 ' D4?4D0D' 8C79B6.' .20' 67"D4056' .20' "89D6' 73' 090?09.AC' 49' .8"@ ' 06.8 ; "4620D' .<7' =7"79406' 49' &8A" M98C0"@N ' ABDA9A59' 89D' #8A54=8* # ' <86' 8' : "0 ; 0489' 38C4"@ ' 375' 67C0' 73' 4.6' C0C ; 056' ; 750' 7334=0' 86' .54 ; A906' 73' .20' : 07 : "0# .' 286' 97' 8.49' =7B97C09 ' ; A.' 79' 4.6

&500F' =7496' .20' 6A598C0' 73' C 8' 46' 508D#' 3' 04B2.' ?8540.406' 790'5850' DC654A6' 46' 97.0D' ?4*' # # h4 #Wh4F' # # ' 30C8"0' 208D' =7?050D' <4.2' '+ 'WC8C02.0D' <4.2' 085E549B6' 89D' 8' =7""85' 73' :09D09.' B30C6* 1' ' <4.27A.' 496=54: .479/ 8' B78.' 8' ;7<' 89D' 8' S94?05* 1 0B05' 50C85F49B' 79' .246' =749' 68@_/' T' .246' C7A9.849' 75' 37506.' B78.' :57;8;"@' 73' @;48' 46' .7B0.205' <4.2' .20' ;7<' 89D' SA4?05' 8' 64B9' 73' 2A9.4.8B' <24=2' =7990=.6' 4.60"3' <4.2' .20' 0D4"0624:# 75' 4=057' 28.2' .06.4340D' .28.' .20' ;.A49066' 73' 6A:0549.09D49B' .20' :A;"4=' 6:75.6' 8C79B6.' <24=2' .20' =2860' 73' <4"D' ;086.6' <86' =A6.7C85@' 2:"79B0D' 6:0=48""@.7' .20' D4"06*U 1' ==75D49B' .7' 46=79.4' SA7.0D' ;@' =F20'# M?* > [N' .20' <7C89L6' 208D' <86' 49.09D0D' .7' 50:50G 609.' 4898' 86' C09.479' 46' C8D0' 73' 89' 89=409.' C85;"0' 73' ! '%0 "! 3 ' <27' 46' 6A:.760D' .7' 28?0' 50=04?0D' .246' 8:0""8.479' 357C' .20C' 20' 8..54;A.06' 79' .20' 50?0560' 850' 8"67' 0?4D09."@' .2760' 73' 4898' 86' B7DD066' 73' 2A9.49B* 1 # "89=4A6' 85A6' 8:.0856' 86' :57E=796A"' 79' =7496' 73' =4.406' 49' 4.2@948' DA549B' 06:86489L6' 504B9* ' <86' 8' :"0;0489' 38C4"@' 86' 46' 49D4G =8.0D' ;@' .20' .54;A906' 73' .20' :07:"0' 0"0=.0D' .2050357C' ;A.' 67C0' 73' 4.6' C0C;056' 09 7@0D' .20' 24B206.' ?4*' .20' =796A"85' 89D'.549C:24D' 2797A56' 73' .20' 50:A;"4=' M 9.# ABA6.497N# .6' 6A598C06' 79' =7496' 73' <24=2' .2050' 850' 9490' ?8540.406' M49' 64"?05N' 850' ;3+ '89D'# *1 9D05' .20' 375C05' =7B97C09' .2050' 850' .<7' D098544' 73' 246.754=8"' 49.0506.' ?4*/1 # # 6# =# '30C8"0' 208D' 09=45="0D' <4.2' 8';578D'34""0.' ;0249D' 4.' 8' D7"':249# 9' 7.2056' .20' 208D' 73' 0:.A90' ;0249D' 4.' 46' 8' .54D09.* 6 1 * #=76# # #M75 'N KA:4.05' .20' 3. C498 5' 49' 8' SA8D54B8' 8.' 3A"" 6:00D* 9' .20' 0805' 73' #7C0' ,H' # "89.496' ;049B' =796A"' .77F' 54?0CAC' 8' .7<9' 73'E.20' 7"6=4' 89D'.549C:;0D' 79' .20' 7==86472' 73' .28.' =79SA06.* (' (21 ' 27' 41 ' 4' (2' 4 ' (2 12 $3 ' _W* 1 KA:4.05' 49' 8' SA8D54B8' 8.' 3A"" 6:00D' ;589D46249B' .20' .2A9D05E' 27".* 6 1 # # ' # +# # # # +' * 1 50.86' F900"49B' ;064D0' 8' =8C0"# 733056' 2' ;589=2' 73' 7"4?0* 1 246 D0985496' 46' 0I:"8490D' 49' 5030509=0' .7' =89C6' 49' 97.4=49B' .20' 8' 38C4"@ 1 8"67' 600' 6U ' # @:6334A6' 89D' # =89C6' 605?0D' .20' 0D4"0G 624:' .7B0.205' 49' .20' @085' ?*=# a' 9# - ' [N' 89D' .20' =749' =7CC0C758.06' 79' 790' 64D0' .20' 6A;C466479' 73' 50.86' '49B' 73' 58;48' .7' .20' #7C89' 85C6' A9D05' * =89C6' 89D' 79' .20' 7.205' .20' =8:.A50' 73' 54?0CAC' C09.4790D' 49' .20' 3750B749B* 7990=.0D' <4.2' .20' 6A598C0' 73' # '<0' 28?0' .20' 37""7<49B' 49.0506.49B' C0D8"' 73' .20' "8A.48' 38C4"@* # : 4?6* 1 ' C86SAO' 50:50609.49B' 8' <7C89L6' 208D' 73' <24=2' .20' 2845' 46' 375C0D' 73' 605:09.6' "4F0' .28.' 73' 0DA68* 6 1 # A5758' <49B0D' =79D9=.49B' .20' 37A5' =7A56056' 73' .20' 6A9* 8547A6' 49.05:50.8.4796' 28?0' ;009' :9.' 79' .20 .@:0?6' 73' .246' D09854A6' ' 84""893' 503056' 4.' .7E' .20' : :7""4985489' B8C06' 89D' 8?05=8C:' 6A:.7606' 4.' .7' 28?0' ;009' 6.C=F' 49' .40' 86.' 357C' .?4D' 375' 8' 9=4D' 0I:"898.479# .' 600C6' .28.' .20' C496.50"6 ?3"A.0E:"8@056' $9 % ' <27' <0067' 8==A6.7C0D' .7' ;0' 0C:"7@0D' 49' :9;"4=' 306.4?8"6' 28?49B' .8F09' 73309=0' 8.' .20' ;028?47A5' 73' .20' 09675' ::4A6' "89D4A6' .7<85D6' .20C' SA4..0D' #7C0' 89D' 50.450D' .7' 4;A5' M 4?7"4N* 1 20' #7C896' 27<0?05' 97.' ;049B' 8;"0' .7' D46:0960' <4.2' .2045' 605?4=06' <24=2' <050' 67' CA=2' 49' 50G SA06.' 8.' .208.54=8"6' 68=5434=06' 89D' 3A9058"' D45B06' .20e60=79D' 09675' :489.4A6' A9D05.77F' .7' =8"C' .20' :7:A"85' 4554.8.479' 0I=4.0D' ;@' 246' =7""08B90# A.' 49' 75D05' .7' ;549B' .2060' ;8=F' .7' #7C0' 20' 0C:"7@0D' .20' 37""7<49B' 6.58.8B0C 1 0' <09.' .7'? 4;A5' 49B58.48.0D' 24CG 60"3' <4.2' .20' ?7"A9.85@' 0I4"06' B8?0' .20C' 8' ;89S90.' 89D' 28?4FB' :"40D' .20C' "4;058 @' <4.2' <490' 28D' 97' D4334=A".@' 49' :57""79B49B' =79G ?4?48"4.@' .7' 6.00:' .2045' 609606' 49' .20' 49.714=8.479# 9' .246' 6.8.0' 20' =8A60D' 8' C86F' .7' ;0' :"8=0D' 7?05' .20' 38=0' 73' 08=2' 49' 75D05' .28.' .20@' C4B2.' 97.' ;0' 50=7B9460D' ;@' .20' C8B46.58=@' 89D' =79?0@0D' .20C' 49' 8' =85548B0' .7' #7C0' <2050' 20' D0:764.0D' .20C' 49' .20' C4DD"0' 73' 790' 73' .20' :A;"4=' :"8=06# .' ;508F' 73' D8@' M.20' % 8"" .20' :07:"0' 589' .7' .20' 6:7.' 89D' <0"=7C0D' .20') ' <4.2' 89' A94?0568"' 627A.' 73' "8AB2.05" 20@' <050' 8.' "09B.2' 49DA=0D' .7' ;0' 8B849' 79' B77D' .05C6' <4.2' .20' :A;"4=' 9D' 49' C0C75@' 73' .20' 0?09.' <24=2' 28D' .2A6' .8F09' :"8=0' ' # # '790' 73' .20' 09675# fD06=09D89.6' 6.8C:0D' 79' 790' 64D0' 73' 246' C0D8"' .20' C86SAO' <24=2' <0' 600' 89D' 79' .20' 7.205' .20' 34BA50' 73' A5758' <24=2' 620<6' .28.' .20' =796ACC8.479' 73' .20' 6=20C0' 49' SA06.479' 7==A550D' 8.' 6A9E5460* 1' 08?49B' 7A.' .20' 506.' 73' ?4DL6' ?056W' "# '?4" [,N' =F20"# =79="AD06' <4.2' B4?49B' .20' 37""7<49B' 0I.58=./1 - 0 + ,' ,0 6 ' ') ' ,' ,' +' $ '$ ' ' ' '+ ' + ' 0 ' ! ' + ' + ' ' 3' 8' 98558.4?0' "4F0' .246' 8D;5D6' 96' ;A.' 8' "7<' 4D08' 73' #7C89' =4?4"4\8.479' 49' .20' 085"405' C09' 73' .20' 50:A;"4=' 4.' 627A"D' ;0' 50=7""0=.0D' .28.' .20' 306.4?8"6' 73' A57:0' 49' .20' C4DD"0' 8B06' <050' C89@' 73' .20C' 49D0;.0D' .7' 86' 5A6.4=8"' 89D' 6.589B0' 89' 754B49* 2050' 46' 897.205' =749' 73' .20' # '38C4"@' 79' .20' 7;?0560' 73' <24=2' 46' .20' 208D' 73' 2' <7C89' =57<90D' <4.2' .7<056' 89D' .20' 496=54:G .479' ' ' ' 6# =*' 89D' 7A' .20' 50?0560' .20' 496=54:.479' 8=0;4A6' F900"49B' 27"D6' 8' =8C0"# ;@' .20' ;54D"0' <4.2' 246' "03.' 289D' 49' 246' 54B2.' 8' ;589=2' 73' 7"4?0# 49=0' 73' .20' "8A.44' 4.' 46' 79"@' .20' 4"?894' .28.' 850' 37A9D' <4.2' .20' :56097C09' 73' A"A6' 8?05=8C:' A6."@' =79 0=.A506' .28.' .20' :50609.' D0985496' CA6.' ;0' 5030550D' .7' 67C0' 790' 73' .2060# 20' 208D' 79' .20' 7;?0560' 8""AD06' .7' .20' B8C06' 73' .20' ' <24=2' A60D' .7' ;0' =0"0;58.0D' ;@' .20' 95A"0' "D4"06' 86' <0' 28?0' 6.8.0D' 506:0=.49B' 8' 64C4"85' 208D' 79' =7496' 73' .20

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"60.7548' 38C4"@* 1 A.' .20' 50?0560' 733056' 8' 6A ; G 0=.' 97.' 50=75D0D' ; @' 246.754896 ' ?4*' 8==24A6' KAD80A6' 49' .20' 68C0' 6A : : "489.' : 76.A50 ' 49' <24=2' <0' 349D' ' 49B' 50.86' 79' =7496' 73' C 4A6' =8A5A6* 1 .' =8997. ' .20503750 ' ;0' SA06.4790D ' .28.' 8.' .20' 68C0' .4C0' .28.' 9# 7C : 0@ ' .257AB2' .20' 8B09=@' 73' =8A5A6 ' ;57AB2.' 50.86' .7' .05C6 ' 20' 4C : 760D' =79D4.47A6 ' .257AB2' # "8A.4A6 ' 79' 8==24A6 ' .209' 86' 4.' <7A"D' 8 : : 085 .20' &?? 05975' 73' 58 ; 48 ' 89D' ; @' 50"4B479' 8' K0 < ' 89D' .28.' 20' 83.05 < 85D6' 50=75D0D' .246' 6A==066' 79' .20' D09854' 6.5A=F' DA549B' 246' 60D4"0624 : *

' "- ' ! % ' D8AB2.05' 73' .20' 0A75C7A6"@' 54=" ' "8A.489A6 ' 89D' .20' A928 : : @' <430' 73' .20' =5A0" 858=8""8 ' .7' <27C' 620' <86' C85540D' ' UHU ' 205' 8557B89.' 89D' =79=04.0D' 38.205' 28?49B ' 4.' 46' 684D' B4?09' <4.2' 205' 8' D7<5@' <24=2' <7A"D' 28?0' 6A334=0D' .7' : 75.479' 733' 343.@' SA0096# 246' @7A9B' C : 5066' 28D' 8' 3490' 34BA50 ' 50BA"85' 308.A506 ' 89D' C4B2.'28?0' ; 009' 06.00 CG 0D' 8' ; 08A.@ ' ; A.' 375' .20' 4C : 0547A6' C89905' 49' <24=2' 620' ; 028?0D' .7' 0@05@ ; 7D@ ' 97.' 01=0 : .49B' 0?09' 205' 2A6 ; 89D ' <27' 6779' 50.A590D' 205' 28AB2.49066' <4.2' D08D"@' 28.50D# .' .20' 496.4B8G .479' 73' 858=8""8 ' 620' <86' ; 894620D' ; @' 0 : .# 0?05A6' .7' .20' 46"0' 73' 4 : 854 ' <2050 ' 83.05' "89BA46249B' C46058 ; "@' 8C4D6.' =796.89.' 8"85C6' 89D' .7.8"# : 54?8.4796' .4""' .20' =7CC094=0C09.' 73' 205' 2A6 ; 89DL6' 504B9' 620' <86' 866866498.0D' ; @' 246' 75D05' ' UGU' M83.05' 60?09' @0856' 6A33054BN ' 8"79B' <4.2' 8' D8AB2.05' <27C' 620' 28D' ; @' .246' A9479 ' 89D' <27C' .20' 68C0' 0I0=58 ; "0' .@589.' =8A60D' .7' ; 0' 6"849' 86' .20' =7C : 89479' 73' 205' 0I4"0* 1 20' =7496' 73' "89.4""8' 850' 0I.50C0"@' 5850' 49' B7"D ' ; A.' =7CC79' 49' 64"?05 ' <4.2' 0I=0 : .479' 73' 67C0' 50?05606# 456.' ; 5866' 850' .20' 58506. ' 60=79D' 89D' .245D' ; 5866' 97.' 67' 6=85=0* 1 7C0' 64"?05 ' : 40=06' 73' .246' C : 5066' 50 : 50609.' 205' <4.2' 858=8""8* 1 05' 98C0' 89D' .4."0' 79' ' =7496' 46' .2A6' 496=54 ; 0D 1 ' &*' 5' . ' * # !) 1 3' .20' =7CC79' : 07 : "0* 1 ' # * 1 =*' + # # 1 ' 5' ' 89D' ' c' F 5' ' # ' # ' # %' E' # * * 1 ' C7D496 ' 75' C086A50 ' 7A.' 73' <24=2' 466A0' =759E0856' 89D' 8' : 7 : : @* 1 9' 8' 5850' "85B0' ; 5866' 73' 05?8* #8 ' 8) ' 86' A60D' 49' .20' 8 ; 7?0' 496=54 : .479 ' C0896' 79"@' .20' "7<06.' 89D' C76.' 49D4B09.' ="866' 73' .20' : 7 : A"8.479' 73' #7C0 ' <27' 28D' 357C' .20' 085"406.' : 0547D' ; 009' 8==A6.7C0D' .7' 50=04?0' B58G .A4.7A6' D46.54 ; A.4796' 73' =7C' .75' 377D# 9D05' .20' 4C : 0548" B7?059C09. ' .2060' D798.4796 ; 0=8C0' 50BA"85' 49' .2045' : 0547D6' 73' D0"4?05@ ' 89D' 34I0D' 49' .2045' : 57 : 75.4796' .7' 0802' =4.4\09* 1 20@' 850' .7' ; 0' 50B85D0D' 86' .7.8""@' D46.49=.' 357C' .20' "85B06606' C8D0' .7' .20' <27"0' ; 7D@ ' 73' .20' #7C89' : 07 : "0 ' A9D05' .20' 98C06' 73') 8 ' 75' 73' ' 1 20' : 7 : : @' 46' 8667=48.0D' <4.2' .20' 0856' 73' =7C ' 86' ; 049B' 8"67' 8' : "89.' D0D4=8.0D' .7' ' 5 1 00' ! ' #) ' .2760' <27' ; 0"79B0D' .7' .20' =7CC798".@ MBA.' ' +) ' 7 1 #7CA"A6' D4?4D0D' .20' 09.450' : 07 : "0' 49.7' .<7' 589F6' 75' 75D056* 1 7' 6A=2' 86' 49' .20' B09058" 6.8.0' <050' =796 : 4=A7A6' 375' <46D7C' 89D' <08".2 ' 3 . D ' <050' SA8"4340D' .7' 38C462' 24C' <4.2' B77D' =7A960" 49' B7?059C09. ' 20' B8?0' .20' 8 : : 0""8.479' 73' # ' "" .20' 506.' <050' =8""0D' #) ' 75' .20' =7CC79' : 07 : "0" 2760 ' .20503750 ' <27' <050' ' +) ' <09.' A9D05' .20' D097C498.479' 73' #) ' 75' "0 ; 04896 ' <24"6.' .2760' ' +) 5' <050' =8""0D' # ' 75' 8.54=4896* 1 8=2' ="866' 28D' 4.6' : 0=A"485' 54B2.6" 9D' 49' .20' 085"405' 8B06' .20' : 549=4 : 8" : 7<05' <86' ?06.0D' 49' .20' : 8.54=4896 ' <27' 0I="A64?0"@ ; 750' 733=0' 49' .20' B7?059C09.' 89D' C8B46.58=@' 73' #7C0" 9' : 57=066' 73' .4C0' 27<0?05' 8"C76.' 8"" .20' : 54?4"0B06' 8.' 3456.' 67"0"@ 09 7@0D' ; @' .20' : 8.54=4896 ' <20.205' 49' 50"8.479' .7' .20' 6098.0 ' .20' : 5406.277D' .20' C8B46.58=@' 75' .20' ADBC09.E' 608.' <050' 0I.09D0D' .7' .20' =7CC79' : 07 : "0" 09=0' .20' +) ' ' 0C ; 58=0D' <4.249' 4.6' 0I.0964?0' 6=7 : 0' 97.' 79"@' 85.4\896' 89D' 7.205' : 056796' 73' "7<' 06.8.0 ' ; A.' 8"67' .20' B508.06.' 89D' C76.' 4""A6.547A6' C0C ; 056' 73' .20' 50 : A ; "4=* #) ' ' 86' 7C : 794A6' 06.A6' 0I : "8496' 4.' <050' .2760' "8<6' 6.8.A.06 ' 75' 75D4989=06 ' <24=2' <050' C8D0' ; @' .20' 8BB50B8.0' ?7.0' 8AD' =79609.' 73' .20' =7CC79' : 07 : "0' <4.27A.' .20' 6098.0 ' 79' .20' : 0.4.479' 73' .20' : "0 ; 0489' C8B46.58=@* #) ' 46' 67C0.4C06' A60D' 49' =79.58D46.49=.479' .7' # + ' 86' D064B98.49B' .20' ?4"06.' ="866' 73' .20' =4.@L6' 4928 ; 4.89.6* 1 9 ' .20' 7.205' 289D ' 4.' 46' 2' <75D' ; @' <24=2' 46' 5CD=56.77D' .20' <27"0' 6.8.0 ' 67' 385' 86' 4.' =79646.0D' 73' : 8.54=4896' 89D' : "0 ; 04896* # 1 ' 9' 496.58C09.' <24=2' <86' 0CG : "7@0D' .7' 6.54F0' .20' =275D6' 73' .20' &50=489' "@50 ' 75' * 1 20 + ' 89D' "@50' 850' 37A9D' 79' 07496' 73' .20' - ' 38C4"@ ' 89D' 49' .20' 54B2.' 289D' 73' : 7""7' 79' B7"D' 89D' 64"?05' =7496' 73' ABA6.A6 ' 87"67' 73 057 ' # A50"4A6 ' 89D' .20' 7C : 7948' 38C4"@* # 40*' 75' # #) ' 1 .' 46' .2A6' 508D' 79' 8' =749' 73' 8"05489 ' 609*' C : ' # ' ' ' # ' 1 790@' =7490D' 8.' 79D4949C ' 97<' 79D79* 1 J00' =7496' 73' 79G 6.89.490' .20' &508.' 89D' 73' 246' 38C4"@ ' 49' 5# F05C89L6' T 7496' 73' .20' #7C896' 50"8.49B' .7' 54.849*U # ' .20' 68C0' M6G8@6 =F20"N' 86' # * 1 ' 9' "4F0' C89905' 8"67' "8AD4A6' 89D' "7D4A6 ' 8A : 794A6' 89D' 7 : 794A6 ' 8A6.A"A6' 89D' 76E' .A"A6 ' =* =# 5?6# ?: ?6# 94?4 ' ' 8 : : 0856' 79' ; 5866' =7496' 73' ABA6.A6# 246' : 0528 : 6' 46' .20' "7.4A6' #A3A6' <27C' A0.794A6' 6.8.06' .7' 28?0' =796 : 450D' 8B8496.' ABA6.A6* ' "# + % ' .20' C : 5066' 73' 58 89 ' 28D' ; 009' C85540D' .7' .28.' : 549=0' < 24"6.' 86' @0.' 20' 24C60"3' <86' 49' 8' : 54?8.0' 6.8.479# 9' 246' 8==06G 6479' .7' .20' 0C : 450 ' 620' 8==7C : 8940D' 24C' 8.' 246' 09.5@' 49.7' #7C0 ' 8C4D6.' .20' A94?0568" 8==8C8G .479' 73' .20' : 07 : "0 ' <2760' 8DC458.479' 620' 28D' <79 ' 97.' "066' ; @' 205' 2AC4"4.@' 89D' C7D06.@' .289' ; @' 205' 97 ; "0EC49D40D9066' 89D' 205' 018".0D?375.990# 246' : 549=066 ' 8C48 ; "0' 49' D46 : 764.479 ' D4B94340D' 49' C899056 ' 54=2' 49' 49.0 0=.98" 09D7<C09.6 ' 89D' .5A"@' ; 090?7"09.' 49' 8"" 205' 8=.4796 ' =7930550D' 2797A5' ; @' 205' ?44.A06' 79' .20' .25790' 4.60"3 ' 89D

H *

' :7 4=4# ' ' 1 08D' 4905?8* ;589=2 ' .508.49B' .20' 38;"0' 73' #7CA"A6' 9D'
6 1 ' % 5' 33":* 1 7C:0@.20' &508.' #0CA6' ;049B' 6A=F"0D' ;@' 8' <7"3' 86' ' 3'
49' 8' C4"4.85@' 28;4.' <4.2' 246' 54B2.' 377.' 79' .20' 89D' 866AC49B' 24C60"3' .7' ;0' 8' D06=09D89.' 73' .20'
:57<'73'8'624:' 46'50004?49B'8':8"C';58902' <24=2' 620:205D' ! ' <27' 8==75D49B' .7' .28.'
8' 30C8"0' 34BA50' M654.2' .<7' 8?0"496' 89D' 8' 6C8"" 89=409.' 34BC09.' 8D7:.0D' 89D';57AB2.' A:' .20'
6240"DN' 46' 7330549B' .7' 246' 8==0:.89=0* .<49';57.2056' =8A60D' 8' 64"?05' =749' .7';0' 6.5A=F'
==75D49B' .7' .20' 50=04?0D' 7:49479' .246' 64"?05' 79' .20' 50?0560' 73' <24=2' .20' 6A; 0=.' 49' SA06.479'
=749' <86' 6.5A=F';@' # 7;"4=4A6' :57:580.75' 46' 50:50609.0D' 86' 37""7<6/1
A9D05' 7C:0496' 8B9A6' 89D' .20' .@:0' 64B943406' 6 ' # ' # o 1 #7CA"A6' 89D' #0CA6'
.20';094B989.'50=0:.479' 73'.28.'#7C89' + ' .8F49B' 97A5462C09.' 357C' .2045' 37A5E377.0D' 9A560
;@' .20' &094A6' 73' :849' 8.' .20' :0547D' <209' 20'
"89D0D' 49' .28.' =7A9.5@' .7' 86646.' 49' =855@49B' 79'
.20' <85' 8B8496.' 05.75496# M 00' 7C:048'38C4"@*M
9' 8"C76.' 64C4"85' 6A; 0=.' 8:.0856' 79' .20' 50?0560'
73' 8' D09854A6' 73' 498.4A6' 8;4996* 1 00'
6 ' 5' 4"4.85@' :A9462C09.6* 1 '
(0"" 8<850' 73' .20' 8D?89.8B06' .7';0' D054?0D' 49'
.2045' 85C406';@' 8':57C:.'89D' 2;058"9..09.4=9'.7'
.20' 50<85D' 73' ?8"7A5' .20' #7C896' <050' 97' "066'
=79?49=0D' 73' .20';8D'=7960SA09=06'509.49B'357C'
.77' B508.' 49DA"B09=0' 89D' 8==75D49B"@' .20@'
C894306.0D' .20' 68C0' 6.54=.9066' 49' =286.4649B'
=7<85D4=0' 89D' 50"818.479' 73' D46=4:"490# C79B6.'
.20' C4"4.85@' :A9462C09.6' 73' .246' .5A"@' <85"4F0'
:07:"0'<050' D0=4C8.479' M75' D08.2' 493"4=.0D' 79' 790'
49' .09M 49' =8606' 73' CA.49@' 8B8496.' .20' B09058"#
0605.056' <050' :A;"4="@' <24:.:0D' 89D' 67"D' 86'
6"8?06# 7<85D4=0' 49' 89' 49D4?4DA8"# 67"D405' 43'
97.'<4.2' D08.2' <86' :A94620D' <4.2' D0B58D8.479'
89D' :5724;4.479' .7' <085'85C6' 8B849# 75'60D4.479'
8' "0B479' 75'8'=74@N' <7A"D';0';57F09'<4.2' 4938C@#
75' 0I24;4.49B' <89.' 73' =7A58B0' 49' 32=0' 73' 89'
090C@' 8' <27"0';7D@' 73'.577:6'<7A"D';0' D0:54?0D'
73' .2045' 58.4796' 73' <208.' 89D' 7;"4B0D' .7' "4?0' 79'
;85"0@' .20@' <050' 8"67' C8D0' .7' .8F0' A:' .2045'
SA85.056' 7A.'73'.20'09="76A50'73'.20'=8C:'0I:760D'
.7' .20' 090C@# 75' <050' 04.205' B09058"6' 75'
=796A"6' 0I0C:.' 357C' =79D4B9' :A9462C09.' 89D'
D46B58=0' 43' 37A9D' BA4".@' 73' B5766' C46=79DA=.'
.508=205@' 75':0=A"8.479*
' C4"4.85@' :A9462C09.' 46' .27AB2.' .7' ;0'
50:50609.0D' 79' 8' D09854A6' 73' .20' -; '34494"@'
496=54;0' # ! ! ' ; ;' . ' #2050#9' 8'
=09.A5479' 46' 6009' ;08.49B' 8' 67"D405' <27' 46'
6A:.760D' .7' ;0' 6.7::0D' 49' .20' 8=.' 73' D0605.49B'
357C' .20' =8C:*1 00'.
! 8 '8' 6A598C0' 37A9D' 79' 7549.2489'
=7"7948"6*
' .20' 679' 73' KA:4.05' ;57.205' 73' ' '
1 00'.
64B943406'.20'# + '38C4"@*
+ 1 ' # +
+ *1 246' <86' 8' :"0;0489' ;A.' 8.' .20
68C0' .4C0' 8' =796A"85' 38C4"@' <24=2' D054?0D' 4.6'
98C0' 4.' 46' 684D' 357C' 7C:044' 8' .7<9' 73' 8C6
:8948# 05.849' 4.'46'.28.'4.'3A594620D'.20'#0:A;"4=
73' #7C0' <4.2' 60?058"# 4""A6.547A6' 4.4\096# 20'
6A598C06' 73' .246' 38C4"@' 86' .20@' 8::085' 79' =7496'
850' ! ' ' # :' 6 $ 1 2050'
850' .245.@E.2500' ?8540.406' 8C79B6.' <24=2' <0'
349D' 67C0' 5850'.@:06' 49' B7"D' .CD' 64"?03# 3' .20'
"8..05' C0.8"' 67C0' :40=06' 85D' 0I.89.' 6.5A=F';@'
0I.A6' 7C:0@' <4.2' 790' 73' .20'
6A598C06' 73' .246' 38C4"@' ;7590';@' 9# 7C:0496#
1 20';5866'=7496' 73' .20' 7C:044' 850' .20' ' 75'
?4.6':85.6*
3' .246' # + '38C4"@' 790' 73' .20' !

73' .20' 37506.' ;0908.2' .20' 628D0' 73' 8' 34B' .500#
' <77D:0=F05' 75' C8B:40' 46' :05=20D' 79' 8';589=2'
73' .246' .500' 89D' .20' 620:205D' 8A6.A"A6' 49' .20'
8..4.AD0' 73' 8DC458.479' 8:.0856' =79.0C:"8.49B'
.246' 0I.5875D4985@' B57A:*
9.246=860' ! '46'508D'496.08D' 73' ! '
.20' 68C0' 86' ' ' <86' <54..09' 375' ' '
89D' '375'
' ' ' 'M=7CC79"@'=8""0D'
7C:0@' .20' &508.N' <86' ;7C' 49' .20' @085' 73'
#7C0' ' 790' 2A9D50D' 89D' 7DD' @0856' ;03750'
.20' 2546.489'058# 46'30.205' 7C:0496' .58;7'
<86' 73' 8' D46.49BA4620D' #7C89' 38C4"@' .257AB2'
<2760'=850' 20' 50=04?0D'.23' 24B206.' 8D?89.8B06' 73'
0DA=8.479# 3' 8"73.@'B094A6' ?8A9.49B'8C;4.479'
89D' 20574=' =7A58B0' 20' 085"@' 0C;58=0D' 8' C4"4.85@'
"430' 89D' 8.' 9490.009' @0856' 73' 8B0' B8490D' 8' 38C7A6'
?4=.75@' 7?05' .20' ""8564' 49' &8A"# .' .<09.@E'
.2500' 20' 50=04?0D' .20' .4."0' 73' ! ' 357C'
@""8' .20' 4=.8.75# (86' 2797A50D' <4.2' 8'
.54AC:2' 375' 246' =79SA06.6' 49' 4=4"@' 8AD' 354=8#
2500' .4C06' 20' 605?0D' .20' 7334=0' 73' 796A"' 89D'
.20' "86.'.4C0' M49' .20' @085' 73' #7C0' >N' 28D' .20'
A94SA0' D46.C0.479' =7930550D' 79' 24C' 73' ;049B'
98C0D' 7"0' 796A"# 20' 6098.0' 28?49B' <4.2'
.20' .4."0' 73' #$%& ' B4?09' 24C' A9"4C4.0D'
:7<05' 86' 8' 98?8# =7CC89D05' 20' D06.57@0D' <4.2'
246' 3"00.6' .20' :458.4=8# C858AD056' <27' 28D' "79B'
58?8B0D' .20' =786.6' 73' .8"@# A:50C0"@' 6F4 0D'
49' .20' 85.' 73' <85' 246' ?8"7A5' 89D' 6A==066' 49' 8'
9AC057A6' 605406' 73' ;54""489.' 8=.4796' 06.8;"4620D'
24C' 49' .20' 7:49479' 73' 246' =79.0C:7585406' 86' 790'
73' .20' 3456.' =8:.8496' .28.' 0?05' =7CC89D0D' 89'
85C@# 064D06'.05C498.49B'.20'50?7".'73' 05.754A6'
49' :849' 20' ?89SA4620D' 4B58906' ' 49B' 73'
5C0948'57A.0D'.20'B508.' 4.254D8.06'67?0504B9'
73' .20' 0D06' 89D' 85.24896' .77F' .20'.0C:"0' 73'
K05A68"0C' 89D' 50DA=0D' 8' :85.' 73' KAD808' 89D'
375' 8"" .2060' ?4=.7540'6' 09 7@0D' .54AC:28"# 2797A56'
73' .20' C76.' C8B9434=09.' "A9D' 8.' #7C0# 09=0'
79' 67C0' =7496' 7C:0@' 46' 6009' 49' 8' .54AC:28"#
SA8D54B8' 057<90 ;@' 8' 34BA50' 73' 4=.75@# .'
<86' 375' .2060' 6:"09D4D' 0I:"74.6' .28.' .20' .4."0' 73'
' 75' &508.' <86' 8<85D0D' .7' 24C# A.'
;"49D0D';@' 38"60' 8C;4.479' 89D' 84C49B' 8.' .20'
C86.0562#:' 73' .20' #0:A;"4=' 20' 375C0D' <4.2'
KA"4A6' 80685' 8AD' 5866A6' .20' 3456.' #

M I 3# 83.05' SA8550""49B' <4.2' 246' C750' 85.3A"# 54?8" ' 8' =4?4"# <85' 096A0D ' 89D' 7C:0@' <86' D0308.0D'8.' 28568"48# .'.'.246' 8D?0560'.A59' 73'246' 8338456'20' 620<0D' 24C60"3' 86' D034=40;.' 49' 375.4.ADD' 86' 246' 35409D6' 49' 34D0"4.@# 00F49B' .20' :57.0=.479' 73' .7"0C@' 49' B@:.' 20' <86' ;860"@' 866866498.0D' <4.249' 64B2.' 73' "0I89D548' ;@' =24""86 ' .20' :56030=.' 73' .28.' :0534D47A6' F49B ' 49' .20' @085' 73' #7C0' ' ;03750' .20' ;45.2' 73' 2546.' ' @0856* 1 46' 6.@"0' 79' =7496' M<24=2' 49' 08=2' C0.8" 850' 73' B508.' 89D' 67C0' 73' 0I=0664?0 ' 5854.@N' 46'

' 1 & #' M75' & N' #' ' 1 #' ' & #' # '

7C0' :40=06' 50:50609.' 24C' <4.2' 246' 6796 ' ' 5'! + '89D'F '! + *1 2050' 46' 8' 3490' :75.584.' 73' .246' =0"0;58.0D' C89' 79' 8' 64"?05' =749 ' 496=54;0D' <!;3;' (1 ' ' 2 3;K' 20' ;850' 208D' 73' 7C:0@' 46' ;0.<009' .20h. A4 '89D' '+ $ ' 86' D097.49B' 246' 8ABA58"# D4B94.@# 9' .20' 50?0560' .20' "0B09D' 46' #' ' #' #' ' #' 8 A64?0' .7' 6' 6A:50C0' 98?8"#W7CC89D' 8B8496.' .20' =7568456' 73' .20' 0D4.05589089#' 20' 8==7C:89@49B' .@:0' 0124;4.6' 0:.A90' 6.89D49B' ;0.<009' 98:4A6' 89D' C:2497CA6* 1 00' # $ % ' C" / "67' 600' + ' =*

& #' 20' .<7E30=0D' 89D' ;085D"066' 208D' 73' K89A6* 1 6 ' 4?6' # ' '624:L6' :57<*

F ' 7C:0@' <86' 49' .20' 28;4.' 73' :"8=49B' .20' 208D' 73' 246' 38.205' ' 9' .20' =7496' <24=2' 20' =8A60D' .7' ;0' 6.5A=F' <24"6.' =855@49B' 79' M86' A=89' 49.4C8.06N' T'.20' .58D0' 73' :458.0' 79' .20' =786.6' 73' 4=4"@' 89D' .2A6' 49=79646.09."@' .8594626 49B' .20' "8A50"6' <24=2' "6' B508.' 6450' 28D' <79' 49' .2760' ?05@' 6086*U 1 8?05=8C:' 49' B4?49B' 89' 09B58?49B' 73' .246' =749 ' 50C85F6' .28.' .20' .<7' 38=06' 73' K89A6' 850' .205079' 50:50609.0D' A9D05' .20' "4908C09.6' 73' .20' &508.' 7C:0@' 89D' 49' .246' 7:49479' 20' 46' D0=464?0"@' 6A:.75.0D' ;@' =F20"* # + ' ' ' 679' 73' 7C:0@' .20' &55.4.' 30"" 8.' .20' ;8..'0' 73' A9D8' 49' :849' 49' .20' @085' 73' #7C0' a' 9s - ' [N# 4"?05' =7496' <4.27A.' 246' 208D' 850' 97.' ?05@' 6=85=0' ;A.' .2760' & ' 246' 208D' 850' 73' 8' 24B2' D0B500' 73' 5854.@* 1' 7C0' :40=06' 50:50609.' 24C' <4.2' 246' 38.205' 89D' 246' ;57.205' ' ' # + ' ' 89D' F '# + ' 0' ;750' ;@' 2050D4.85@' 54B2.' 357C' 246' 38.205' ;7.2' .20' .4."0' 73' # ' MC08949B' 49' =796A"85' .4C06' 64C:"@' 8' C 4.84@' =2403N' 89D' .20' 6A598C0' 73' & 1 2050' 850' =A547A6' 50?05606' 79' =05.849' ?05@' 5850' D09854 4' .20' =7498B0' 73' <24=2' # 86=54;0D' ;@' 8"" 9AC46C8.4=' 89.4G SA85406' .7' ' '# + '7 *1 00' ' 49' .246' 4=.47985@' 600' 8"67' 5# F05C89L6' 8.8"7BA0' <205049' .2050' 46' 89' 09B58?49B' 73' 8' =749' M:4# [' 7# aN' 357C' 5# CC0""L6' =8;490.' <4.2' .28.' D46.49BA4620D' =7 0=.75L6' 7;6057?8.4796' A:79' 4.* 1 M 7"# 4# :*:# , a' , , *N # + ' F ' 60=79D' 679' 73' .20' &508.' 7C:0@' <86' ;759' 49' .20' @085' 73' #7C0' a' 9s - ' [N# 9D05' 246' 38.205L6' 496.5A=.4796' 20' 6779' ;0=8C0' 89' 8;"0' B09058""EOE 46' 0"D05';57.205' 9604A6' 89D' 24C60"3' A94.49B'.7B0.205' 49' .20' B508.' 89D' :054"7A6' 09.05:5460' 73' 8?09B49B' .2045' 38.205L6' D08.2' .2060' .<7' @7A9B' C09' 375C0D' :7<053.4" 8 489=06' 89D' ;58?0"@' 6A6.8490D' .2045' 7<9' =8A60' <4.2' .28.' 73' .20' 3500' #7C89' #0:A;"4=' 8B8498.

KA"4A6' 80685' <27' 8.' "09B.2' D0308.0D' .20C' 8.' .20' ;8.."0' 73' KA9D8' 49' :849' M aN* 1 9604A6' 7C:0@' <86' 6"849' 49' 246' 3"4B2.' 357C' .28.' D4686.57A6' 340"D# A.' 0I.A6' .27AB2' 8"790' =79.49A0D' .7' "08D' .20' 85C@' 73' .20' #0:A;"4=' 89D' =85540D' 79' .20' <85' <4.2' 67' CA=2' 5067"A.479' .28.' =.8?4A6' 89D' 9.79@' =8C0' .7' .05C6' <4.2' 24C' 89D' .20' 6098.0' 07A304 0D' A:79' 24C' .20' .4."0' 73' # # M DC458" 73' .20' "00.N' 49' , *1' A.' <4.2' =2858=.0546.4=' 49=796.89=@' 20' 6779' SA8550""0D' <4.2' =.8?4A6' <27' 609.' B54::8' 8B8496.' 24C' <4.2' 8' :7<053A"# 98?@# 20' 506A".' <86' .20' .7.8"# D0308.' 73' 0I.A6' <27' "76.' .20' B508.05' :85.' 73' 246' ?0660"6' 89D' <86' =7C:0 0D' 375' 246' 7<9' 4CC0D48.0' 6830.@' .7' 749' 85F' 9.79@' 8B8496.' =.8?4A6# 246' 8""489=0' <86' 6275.E"4?0D' D468B50049B' <4.2' 9.279@' 20' 3"0D' 49.7' 25@B ' 89D' ;049B' 8;89D790D' ;@' 8""# 246' 67"D4056' 30""# 49.7' .20' 289D6' 73' 790' 73' 9.79@L6' 7334=056' < 7' =8A60D' 24C' .7' ;0' ;0208D0D' 79' .20' ;89F6' 73' .20' 54?05' 85B8546' 49' TGj' 9$ "' ILA / ' 9# 246' =7496' MB7"D' 89D' 64"?05N' ;0' 46' 6.@"0D' 6# # & *1 +# # ' *1 8"67' 4 M;@' 4C:"4=8.479' $ % (F ' 97.' 79"@' 866AC0D' .20' 6A598C0' 73' ' 86' 73' 2050D4.85@' 54B2.' ;A.' <86' 8"67' D46.49BA4620D' ;@' .28.' 73' # ' 79' 8==7A9.' 73' 246' 34"48"# :40.@' 49' D0?7.49B' 24C60"3' <4.2' 6A=2' 0I.5875D4985@' \08" 89D' :0560?0589=0' .7' ++ ' ' ' 73' 246' 4""A6.547A6' :850D.' ;@' <8B49B' <85' 8B8496.' 20' :85.406' <27' 28D' =8A60D' 246' D08.2* 1 9' 67C0' 64"?05' =7496' 246' 208D' 89D' 98C0' ;7.2' 8:.085' 79' 7.2056' 246' 208D' 79"@' <4.27A.' 246' 98C0# 2050' 850' 67C0' :40=06' <24=2' 50:50609.' 24C' <4.2' ;46' 38.205' 89D' ;57.205' .2060' 850' 49' B7"D' 89D' 73' B508.' 5854.@*

+ 1 246' 38C4"@' 8".27AB2' 4.' 86:450D' .7' D054?0' 4.6' 754B49' 357C' AC8' 75' 357C' 7C:7' .20' 679' 73' .28.' F49B' <86' 90?05.20"066' 73' .20' :"0;0489' 75D05' 86' 46' 620<9' ;@' .20' .54;A906' 73' .20' :07:"0' <27' ;0"79B0D' .7' 4.* 1 .6' 6A598C06' 79' X C89' D098544' 850' ' ' 6 $ * 1' 750"# B4?06' .2500' ?8540.406# C79B6.' .20' 58506.' .@:06' 73' <24=2' 850' .20' 37""7<49B' 49' 64"?05/1 1 # ' M75' *N' # 8A508.0D' 208D' 73' :7""7*

6 1 # 4.# '34BA50' ="7.20D' 49' .20' .7B8' 27"D49B' .20' ' 89D' 68=5434=49B' 8.' 89' 8".85' .7' <24=2' 897.205' C8"0' 34BA50' 46' "08D49B' 2' B78.# !

20' '850' A9F97<9' 49' #7C89' 246.75@# (0' 28?0' .20' .06.4C79@' 73' "A.85=2' .28.' .20' # + '38C4"@' 5030550D' .2045' 754B49' .7' AC8# 75' 83.05' 50=75D49B' .28.' .2050' <050' 37A5' 67A6' 73' AC8'?4*' 7C:7' 49A6' 8":A6'89D 8905=A6' 20' 8D 1 T'375' .20' 7C:7A44' 850' D06=09D0D' 357C

H *

7C : 7*U 1 75 .246 508679 ' AC8 46 50 : 50609.0D 79 .20 50?0560 73 .20 8 ; 7?0 D09854A6 09B8B0D 49 : 05375C49B 8 68=50D 54.0 ' 73 <24=2 20 <86 24C 60"3 .20 : 549=4 : 8 754B498.75* 1 9 .20 68C0 B57A9D 73 : 50.096479 ' .20 ' + ' 8"67 ' .20 D06=09D89.6 73 8" : 86 ' 89D .20 ' ' 28?0 49.57DA=0D ' 79 .2045 =7496*

1 % ' @7A.23A 208D ' <4.2 .20 2845 85589B0D 49 =95"6* 1 8 ' 3 - o ' 05=A"06 ' ="8D 49 .20 "479L6 6F49 ' 6.89D6 : "8@49B 79 .20 "@50*

9 .20 50?0560 73 897.205 D0985496?46 .20 68C0 0 : 4B8 : 2 73 M % # # ! ' 89D 8 ' 90 73 .20 490 A606 ' <4.2 205 8..54 ; A.06*

: : 8509. "@ B7?0590D 49 246 =274=0 ; @ .20 898"7B@ 73 8 : : 0""8.479 ' .246 # + 286 8D7 : .0D .20 A606 375 .@ : 06 .7 0954=2 246 38C4"@ =7496 20 3456.' 73 .20 8 ; 7?0 .< 7 D09854 73305 .7 A6 ; : .20 60=79D 89D 04B2.' 7.205 C0D8"6 ' : 50609.' .20 3.4 ' =275A6 73 .2760 : 05679434=8.4796 73 .20 85.6 89D 6=409=06 49 .20 75D05 C@.27"7B4=8""@ 8664B90D .7 .20C* 1 00

; ' ' 75 =79DA=.75 73 .20 A606 ' <86 F97 < 9 49 &500=0 A9D05 .28 .' 98C0 89D 246 <75624 :' <86 73.09 8667=48.0D <4.2 .28 .' : 84D .7 .20 9490 ?45B49 B7DD0660 6 73 : 70.5@ 89D =4?4"468.479 .' 46 D434 =9".' .7 8==7A9.' 375 .246 600C49B 8 ; 89D79C09.' 73 246 C84 09 =7C : 894796 ; @ .20 &7D 73 79B 24C60"3 .7 .20 : 57.0=.479 73 897.205 89D 89 49305475 D4?494.@ A.' 349=2 <050 .20 =79.58D4=.4796 89D 49=79646.09=406 73 .20 6A : 056.4.47A6 : 8.=2 <75F <24=2 375C0D .20 &500=0 7C89 6@6.0C 73 D0434=8.479 20 6A ; 0=.' ; 03750 A6 286 ; 009 5086798 ; "@ 6A : : 760D .7 49D4=8.0 ' ; @ 89 8""0B75@ ' .28.' .20 =A".4?8.479 73 49.0""0=.A8 : A56A4.6 506.6 60=A50 A9D05 .20 BA85D489624 :' 73 6.509B.2 89D =7A58B0 89D .28.' .20 20574=2 B094A6 73 05=A"06 =89 ; 0 <75.24"@ : 57="84C0D 79"@ .257AB2 .20 C8B4=2 75B89 73 .20 A606*

9 D4330509.' D09854 73 .20 # + 38C4"@ B4?09 49 750"" < 0 600 08=2 73 .20 A606 506 : 0=.4?0"@ D46.49BA4620D ; @ .2045 : 0=A"485 8..54 ; A.06 2A6 < 0 0864"@ 50=7B9460 8 <2760 &500F D097C498.479 64B943406 ; @ 205 27"D49B 8 B"7 ; 0 89D 8 =7C : 866 86 .20 A60 73 6.5797C@ 4""49 7 ; 605?06 T .28.' .20 =7CE : 854679 73 .2060 C0D8"6 <4.2 .20 A606 50 : 50609.0D 49 .20 : 849.49B6 73 05=A"890AC 49 .20 8 : 7.207646 73 7C05 .20 C85 ; "0 73 .20 8 : 4.7" 89D .20 9490 A606 89.4SA0 =7 : 406 73 .2760 ; @ 24"46=A6 49 .20 A60AC 47E "0C09 490 605?06 .7 86=05.849 .2760 .5A0 8..54 ; A.06 73 08=2 CA60 <24=2 85.46.6 67C0.4C06 D0 : 4=.A50 .77 85 ; 4.5854"@*U

20 37""7<49B 850 5850 D098544 ?4*/1

1 AC8 ; 085D0D 89D 09=45="0D <4.2 8 D48D0C 20 496=54 : .479 * 1 F & 546 # 9 83 20 : 57 < 73 8 B8" 0@ 0

1 # M ; 08.D0D 89D D48D0C9 208D 89D ; A6.' "4F0 8 .05C49A6* 1 6 & L =76 9 08B"0 89D 8 D7" : 249 89D ; 0.<009 .20C 8 6=0 : .50 46 050=.0D*

1 & H 30C8"0 208D =7?050D <472 .20 6F49 73 89 0"0 : 289.L6 208D ; 0.<009 .20

+*

89D .20 8"" <4.249 8 B85"89DX 1 6 ' 0 =76 7C : 0@ 49 8 SA8D54B8 4=.75@ 6.89D49B 9085 24C 9 8 B7"D =749 73 .20 $ 3 ^=8.8"7BA0D 49 .20 I, 3 : , a[' .' 46 A94?0568""@ 8B500D .28.' .20 8 ; 7?0E D06=54 ; 0D =7496 <050 6.5A=F 8.' .20 .4C0 <209 7C : 0@ <86 09B8B0D 49 .20 <85 <4.2 .20 : 458.06 DA549B .20 : 57SA606.7562 4 :' 73 966496 467 89D 855s 506 : 0=.49B <27C 86 8"67 =79G =05949B .20 7 ; ?05606 73 .2060 C0D8"6 97.4=0 46 .8F09 99D05 .20 208D 73 .20 + 89D 38C 406 246 C8@ 6830"@ ; 0 4930550D 357C .20 C854.4C0 .@ : 06 73 .20 50?05606 7C : 0@ 46 49 .2060 =8""0D 57E=796A" 97 D7A ; .' ; @ 8 D0=500 .28.' 20 627A"D ' DA549B .20 <85 28?0 : 57E=796A"85 8A.2754.@ 7?05 .20 <27"0 608 89D .7 .20 D46.89=0 73 343.@ C4"06 49"89D 357C .20 =786. 20 8DD4.479 73 .20 .4."0 .257 < 6 67C0 "4B2.' 79 .20 D8.0 <209 .246 2797A5 <86 =7930550D : 489 49 .<7 : 8668B06 ; A.' D7A ; .49B"@ 49.4C8.06 .28. 83.05 .20 4.254D8.4= <85 75 8.' "086.' 83.05 .20 6A ; AB8.479 73 .20 : 458.06 .246 .4."0 <86 B4?09 24C* 1 8C : 54D4A6 C8F06 "0I89D05 0?05A6 86605. .28.' 7C : 0@ 50=04?0D .20 8 : 0""8.479 73 & 83.05 B508.' ?4=.75406 49=0 .20503750 49 .20 : 50609.' D098544 <24=2 <050 A9D7A ; .0D"@ =7490D DA549B .20 <85 <4.2 .20 : 458.06 7C : 0@ 46 8"508D@ 49?06.0D <4.2 .20 98C0 73 8B9A6 B508.05 =50D4.' 46 .7 ; 0 B4?09 .7 .20 8==7A9.' 73 "A.85=2 89D "49@ <27 83345C .28.' 4.' <86 =7930550D 79 24C ; @ A""8*

75 7.205 =7496 73 + 38C4"@ 600 '# +

$ *1 79.43 75 5406.' 73 .20 &7D6 8C79B6.' .20 : 07 : "0 73 208.209 #7C0 89@ <050 .20 : 056796 D0D4=8.0D .7 .20 605?4=0 73 .2760 38"60 D04.406 89D 49 .2045 =75 : 758.0 =8 .0=4.@ .20@ 375C0D 8 =7""0B0 .' 46 27<0?05 .7 ; 0 7 ; 605?0D .28.' .20 49D4?4DA8"6 .2A6 0C : "7@0D M89D <2760 : 549=4 : 8 7 3A9=.479 <86 .7 7330 5 68=5434=06 97.' .7 89@ : 85.4=A"85 D4?494.@ ; A.' .7 8""" .20 B7D6 73 .2045 C@.27"7B@N ' D4D 97.' =796.4.A.0 89@ 60 : 858.0 75D05 60.' 8 : 85.' "4F0 .28.' 73 .20 2546.489 ="05B@ 357C =4?4" 0C : "7@C09.6 ; A.' <050 0 ; B4 ; "0 <4.2 7.205 =4.4\096 .7 0IG 05=460 8.' .20 68C0 .4C0 .20 7334=0 73 C8B466 .58.0O 89D 8"67 .7 8=.' 49 8 C4"4.85@ =8 : 8=4.@ * 1 20 9AC ; 05 73 79.436 496.4.A.0D ; @ 44C8 <86 37A5 .20@ <050 .8F09 357C .20 ; : D@ 73 .20 8.54=4896 9 .20 @085 [A9D05 .20 =79G 6A"8.0 73 : A"04A6 8968 89D 8"054A6 75?A6 37A5 C750 <050 8DD0D 357C .20 : "0 ; 04896 9 @""8L6 .4C0 .20 9AC ; 05 <86 8ABC09.0D .7 343.009 89D 357C .28.' : 0547D =7CC09=0D .20 D46.49=.479 73 .20 B508.05 E89D .20 49305475 # $ 7 $ 89D .20 7.205 # 20 : 79.436 <050 50B85D0D 86 68=50D : 056798B06 89D 375 D46.49=.479L6 68F0 .77F : 50G 0DD09=0 ; 03750 8"" .20 C8B46.58.06 / .20@ : 50G 64D0D 8.' 8""" 69=2 B8C06 73 .20 =45=A6 73 .20 8C : 24.208.50 89D 73 .20 .208.50 86 <050 =0"0G ; 58.0D 49 2797A5 73 89@ D04.@ 20 4964B948 .20 6F49 73 89 0"0 : 289.L6 208D ; 0.<009 .20 89D .20 8"" <4.249 8 B85"89DX 1 6 ' 0 =76 7C : 0@ 49 8 SA8D54B8 4=.75@ 6.89D49B 9085 24C 9 8 B7"D =749 73 .20 $ 3 ^=8.8"7BA0D 49 .20 I, 3 : , a[' .' 46 A94?0568""@ 8B500D .28.' .20 8 ; 7?0E D06=54 ; 0D =7496 <050 6.5A=F 8.' .20 .4C0 <209 7C : 0@ <86 09B8B0D 49 .20 <85 <4.2 .20 : 458.06 DA549B .20 : 57SA606.7562 4 :' 73 966496 467 89D 855s 506 : 0=.49B <27C 86 8"67 =79G =05949B .20 7 ; ?05606 73 .2060 C0D8"6 97.4=0 46 .8F09 99D05 .20 208D 73 .20 + 89D 38C 406 246 C8@ 6830"@ ; 0 4930550D 357C .20 C854.4C0 .@ : 06 73 .20 50?05606 7C : 0@ 46 49 .2060 =8""0D 57E=796A" 97 D7A ; .' ; @ 8 D0=500 .28.' 20 627A"D ' DA549B .20 <85 28?0 : 57E=796A"85 8A.2754.@ 7?05 .20 <27"0 608 89D .7 .20 D46.89=0 73 343.@ C4"06 49"89D 357C .20 =786. 20 8DD4.479 73 .20 .4."0 .257 < 6 67C0 "4B2.' 79 .20 D8.0 <209 .246 2797A5 <86 =7930550D : 489 49 .<7 : 8668B06 ; A.' D7A ; .49B"@ 49.4C8.06 .28. 83.05 .20 4.254D8.4= <85 75 8.' "086.' 83.05 .20 6A ; AB8.479 73 .20 : 458.06 .246 .4."0 <86 B4?09 24C* 1 8C : 54D4A6 C8F06 "0I89D05 0?05A6 86605. .28.' 7C : 0@ 50=04?0D .20 8 : 0""8.479 73 & 83.05 B508.' ?4=.75406 49=0 .20503750 49 .20 : 50609.' D098544 <24=2 <050 A9D7A ; .0D"@ =7490D DA549B .20 <85 <4.2 .20 : 458.06 7C : 0@ 46 8"508D@ 49?06.0D <4.2 .20 98C0 73 8B9A6 B508.05 =50D4.' 46 .7 ; 0 B4?09 .7 .20 8==7A9.' 73 "A.85=2 89D "49@ <27 83345C .28.' 4.' <86 =7930550D 79 24C ; @ A""8*

75 7.205 =7496 73 + 38C4"@ 600 '# +

$ *1 79.43 75 5406.' 73 .20 &7D6 8C79B6.' .20 : 07 : "0 73 208.209 #7C0 89@ <050 .20 : 056796 D0D4=8.0D .7 .20 605?4=0 73 .2760 38"60 D04.406 89D 49 .2045 =75 : 758.0 =8 .0=4.@ .20@ 375C0D 8 =7""0B0 .' 46 27<0?05 .7 ; 0 7 ; 605?0D .28.' .20 49D4?4DA8"6 .2A6 0C : "7@0D M89D <2760 : 549=4 : 8 7 3A9=.479 <86 .7 7330 5 68=5434=06 97.' .7 89@ : 85.4=A"85 D4?494.@ ; A.' .7 8""" .20 B7D6 73 .2045 C@.27"7B@N ' D4D 97.' =796.4.A.0 89@ 60 : 858.0 75D05 60.' 8 : 85.' "4F0 .28.' 73 .20 2546.489 ="05B@ 357C =4?4" 0C : "7@C09.6 ; A.' <050 0 ; B4 ; "0 <4.2 7.205 =4.4\096 .7 0IG 05=460 8.' .20 68C0 .4C0 .20 7334=0 73 C8B466 .58.0O 89D 8"67 .7 8=.' 49 8 C4"4.85@ =8 : 8=4.@ * 1 20 9AC ; 05 73 79.436 496.4.A.0D ; @ 44C8 <86 37A5 .20@ <050 .8F09 357C .20 ; : D@ 73 .20 8.54=4896 9 .20 @085 [A9D05 .20 =79G 6A"8.0 73 : A"04A6 8968 89D 8"054A6 75?A6 37A5 C750 <050 8DD0D 357C .20 : "0 ; 04896 9 @""8L6 .4C0 .20 9AC ; 05 <86 8ABC09.0D .7 343.009 89D 357C .28.' : 0547D =7CC09=0D .20 D46.49=.479 73 .20 B508.05 E89D .20 49305475 # $ 7 $ 89D .20 7.205 # 20 : 79.436 <050 50B85D0D 86 68=50D : 056798B06 89D 375 D46.49=.479L6 68F0 .77F : 50G 0DD09=0 ; 03750 8"" .20 C8B46.58.06 / .20@ : 50G 64D0D 8.' 8""" 69=2 B8C06 73 .20 =45=A6 73 .20 8C : 24.208.50 89D 73 .20 .208.50 86 <050 =0"0G ; 58.0D 49 2797A5 73 89@ D04.@ 20 4964B948 .20 6F49 73 89 0"0 : 289.L6 208D ; 0.<009 .20 ' .20 + ' M8 : 749.0D =8 : N ' 89D .20

$$$) ' 20' :79.436' 8"67' <750' .20'+ ' 89D' 28D' 8"" .20' 0SA4:8B0' 73' B508.' C8B46.58.06' 86' <0"" 86' .20' 68C0' F49D' 73' 50.49A0* 1 9' =7496' <4.2' .20' 496054:.479' 73' #! ' ' <0' 600' 8C79B6.' .20' 6@C;7"6' 73' .20' :5406.277D' .20' 496.5AC09.6' 73' 68=5434=0' 6A=2' 86' .20' 60=06:4.8' .20' "4.AA6' .20' 64C:A"AC' .20' 86:05B4""AC' =# M 00' .2760' <75D6*N 1 750 L6' < 75.' 3A5946206' 50G :50609.8.4796' 73' :79.434=48" 4964B948' ' .20' 8ABA58"' 79' =7496' 73' KA"4A6' .0685' 89D' E' .20' 8ABA58"' 64B96' A94.0D' .7' .20' "0B09D' ?0 5 # +*

$ ' ' M.20' 4B2' 5406.' 75' 2403' 79.43N' <86' .2A6' =8""0D' 97.' 79"@' ;0=8A60' 20' <86' :5064D09.' 73' .20' <27"0' =7""0B0' 73' :5406.6' 75' :79.4336' 2A.' 8"67' ;0=8A60' 20' <86' .20' ADB0' 89D' 6A:0549.09D09.' 73' <28.0?05' 50"8.0D' .7' .20' 50"4B479' 89D' 68=50D' =050C79406' 73' .20' #7C896' <20.205' 49' :A;"4=' 75' 49' :54?8.0# ==75D49B"@' 4.' <86' .20' 8==A6.7C0D' :58=.4=0' 73' .20' 098.0' .7' D0"0B8.0' 4.6' 89.2754.@' 7?05' 8"" C8..056' =7990=.0D' <4.2' .20' 06.8;"4620D' <75624:' 7@ 2045' B7D6' .7' .20' # $ ' ' 89D' 4.' <86' 246' DA.@' .7' "8@ ;03750' .20' 68=05D7.8" ="7""0B0' 73' <24=2' 20' <86' .20' 208D' 8 ' 6A=2' SA06.4796' 86' 85760' 79' .20' 6A;G 0=.' 73' .2045' :0=A"485' 6A:056.4.479' 89D' .7' 50:75.' .2045' 8BB50B8.0' 7:49479' .205079' .7' .20' 098.0*

20' 7?0504B9' # $ ' <86' 8' D4B94.@'73' AC8L6' =508.479' 89D' .20' :54?4"0B0' 73' =79305549B' 4.' 79' 89@' 790' <86' ?06.0D' 8.' 3456.' 49' .20' 0"0=.4?0' =274=0' 73' .20' 8.54=4896' ;A.' 49' :57=066' 73' .4C0' .246' 86' <0"" 86' 7.205' 7334=06' <24=2' 28D' 79=0' ;0"79B0D' 0I="A64?0"@' .7' .20' 97;"06' <86' 7==86' 64798""@' =7930550D' 79' :"0;0489@' =89D4D8.06' ;@' .20' 6A3358B06' 73' .20' :07:"0# 4=057' 86' 43' .7' 49D4G' =8.0' .20' 4CC0960' 493"A09=0' 73' .246' 7334=0' 7?05' .20' <27"0' =7CC79<08".2' 50C85F6' .28.' .0C:"06' 8".856' :098.06' B7D6' 27A606' <08".2' 89D' 375.A90' 73' .20' :07:"0' <050' 6A;0=.' .7' 4.6' :7<05*

a% # $ 'A9D05.20'50:A;"4=' <86' 49D0D' 790' 73' .20' :549=4:8"' :056798B06' 73' .20' 6.8.0 89D' 246'3A9=.4796' <050' 20"D' 49' :4737A9D?090E' 58.479# 9.5A6.0D' 86' 286' ;009' 8"508D@' 7;605?0D' <4.2' .20' D450=.479' 73' 50"4B47A6' C8..056' 73' <24=2' 20' :506=54;0D' .20' =050C79406' 89D' 0I:"8490D' .20' C@6.05406' 4.' <86' .20' 24B2' :5406.' <27' 28D' .20' B7?059C09.' 73' .20' 06.8"6' 89D' .20' 496:0=.479' 73' 0?05@' 75D05' 73' .20' :5406.277D# 0' D4=.8.0D' .20' 385C' 49' <24=2' .20' :A;"4=' 6.8.A.06' <050' .7' ;0' =7A=20D' 89D' :5730660D' .20' 54B2.' 73' :5064D49B' 8.' 8D7:.4796' <86' F00:05' 73' .20' :A;"4=' 8998"6' 50BA"8.0D' .20' =8"09D85' 89D' .77F' =7B94\89=0' 73' =05.849' =8606' 50"8.49B' .7' C85548B06# 7' 24C' 4.' 67"0"@' 8:.05.8490D' .7' B589.' D46:098.4796' 975' <86' 20' 0I=0:.' 49' ?05@' 0I.5875D4985@' =8606' 50SA450D' .7' 896<05' 375' 246' =79DA=:.' 04.205' .7' .20' 098.0' 75' .7' .20' :07:"0# 7507?05' 4.' <86' 8' D4B94.@' 8"<8@6' 20"D' 375' "430' 20' 79' <27C' 4.' <86' 79=0' =7930550D' =79.49A49B' 49' 4.' <4.27A.' 0?09' .20' 375C' 73' 8' 5090<8"' 89D' <4.27A.' 8=F97<"0DB49B' 89' 0SA8" 49' 246' 7334=0# 246' 38=:.' 46' 0?4D09=0D' ;@' .20' =45=AC6.89=0' 73' 0:4D96' 28?49B' ;009' 8""7<0D' .7' 27"D' 4.' 8"790' .7' .20' D8@' 73' 246' D08.2' 8".279B2' .20' :07:"0' <050' D06457A6' .28.' ABA6.A6' 627A"D' 8==0:.' .20' 7334=0' 49' 246' 6.08D' 75' 8.' "086.' 62850' 4.6' 0I05=460' <4.2' .20' 50.450D' .54AC?45# 89437"D

27<0?05' 86' <050' .20'E:5057B8.4?06' 89D' D0=4D0D' 86' <86' .20' 6A:054754.@' 73' :7<05' 09 7@0D' ;@' .20' 2403' 79.43' .2050' 6.4"" <050' ;7A9D6' .7' 246' 8A.2754.@# 20' =79609.' 73' .20' 68=05D7.8" ="7""0B0' <86'49D46:0968;"0'79'60?058" :749.6.7'B4?0'?8"4D4.@' .7' 246' :57=00D49B6' 89D' 8:.08"6' C4B2.';0' C8D0' 79' SA06.4796' 73' :0=A"485'4C:75.89=0' 86' <0"" 357C' 246' D0=464796' 86' 357C' .2760' 73' .20' =7""0B0' .7' .20' :07:"0' 8.' "85 * 1 5866A6' 8==75D49B' .7' 4?@' <86' .20' 3456.'# $ ' ' <27' =79.58?090D' .20' 89=409."8<' <24=2' :5724;4.0D' .28.' 24B2' D4B94G' .85@' 73' 50"4B479' 357C' :57=00D49B' ;0@79D' .20' ;7A9D85406' 73' .8"@# .2056' 83.05<85D6' 8?84"0D' .20C60"?06' 73' .20' 68C0' 50"818.479' 8:D' 8' "8<' M.28.' 73' 8.4948N' <86' :8660D' <24=2' :05C4..0D' .20' &589D' 79.433' .7' D58<' "7.6' 375' .20' :57?49=06' 20' <86' .7'B7?059# 20' =7960=58.479' 73' .246' 24B2"@' :54?4"0B0D' 89D' 018".0D' 7334=05' <86' 8..09D0D' <4.2' =050C79406L73' 8' ?05@' 0I.5875D4985@' D06=54:.479* 1' 2050' 46' 8' B508.' D46.49=.479'.7' ;0' 7;605?0D' ;0.<009' .20' 79.430I' 814CA6' 73' .20' 50:A;"4=' 89D' .20' 68C0' 24B2' 3A9=.479985@' A9D05' .20' 4C:0548" 375C' 73' B7?059C09.*1 KA"4A6' 60685' A94.0D' .246' 7334=0' <4.2' .20' :05:0.A8" D4=.8.75624:' 49' 246' 7<9' :05679# 9D' 357C' .20' :0547D' <209' M:5AD09."@' D0="4949B' .20' "8..05' D46.49=.479N' 20' <86' 49?06.0D' <4.2' .20' 2797A56' 73' 7?0504B9' 79.434=8.0' 89D' 28D' 49G' =50860D' .20' C086A50' 73' 4.6' 8A.2754.@' .20' 3456.' 0C:05756' F97<49B' .20' 4C:75.89=0' 73' 6A=2' 89' 7334=0' 357C' .20' 27"D' <24=2' 4.' 28D' 79' .20' 300"49B6' 73' .20' :07:"0' D4D' 97.' 384" .7' 8..8=2' 4.' .7' .2045' 7<9' :056796' =79 A9=.4?0"@' <4.2' .2045' 7.205' 8..54;A.06' 89D' 49' =79375C4.@' <4.2' 8' 50BA"8.479' C8D0' ;@' 4;054A6' .7' <27C' .20' 6098.0' 28D' @40"D0D' .20' :54?4"0B0' .20' 018C:"0' 73' A649B' .20' .4."0' 73' # +* <86' 37""7<0D' .257AB2' 89' 01G' .09D0D' :75.479' 73' .20' 4C:0548" 605406*

9.4" .20'504B9' 73' 8";49A6' 89D' A:40996' <27' <050' =27609' 86' 749.' C:05756' 8.' 790' 89D' .20' 68C0' .4C0' .20' # $ ' ' <86' 20"D' ;@' .20' :549=4:8"' 67?0504B9' 8"790' 89D' 97.';@' 246' =7 08B90' 75'=7""08BA06' 49' .2760' 96.89=06' <205049' 20' 28D' D00C0D' 4.' 34.' .7' 8667=48.0' 790' 75' C750' <4.2' 24C' 49' .20' B7?059C09.# A.' .20' 7.2056' C4B2.';0' 64C:"@' # C$ ' 89D' .20@' 73.09' 866AC0D' .20' .4."0*

3.05' .20' .4C0' 73' 8";49A6' 89D' A:40996' 4.' <7A"D' 600C' .28.' .20' D4B94.@' 49' SA06.479' <86' D4?4D0D' 8C79B6.' 8"" .20' =7""08BA06' 73' .20' 609475' :549=0' 89D' .28.' 50B85D"066' 73' .20' MB58DA8""@' 38D49BN' :5057B8.4?0D' 73' .20' 6098.0' .20@' 8"" 866AC0D' .7' =8"" .20C60"?06' &589D' 79.4336' 89DE' .7' 6.8C:' .20' D064B98.479' 79' .2045' 506:0=.4?0' C0D8"6' 8"C76.' 86' 8' C8..05' 73' =7A560*

20' 68=05D7.8" D4B94.406' 73' 8B8946C' <050' 50.8490D' 375' 67C0' .4C0' ;@' 0?09' 2546.489' 0CG' :05756' 6.2045' =7496' 605?0' .7' 620<# 79;."066' .246' <86' D790' 357C' C7.4?06' 73' :7"4=@' 89D' 0I:0G' D409=@' M.20' B7?05949B' 5A"0' 73' C76.' :549=06N' 798=:7A9.' 73' .20' 6.8.0' 493"A0900' 89D' .20' <08".2@' 09D7<C09.6' 6.4"" 8..8=20D' .7' .20' 79.434=8.0' 73' #7C0# A.' .27AB2' 83.05' .20' =7C:"0.0' 06.8;G "462C09.' 73' 2546.4894.@' .20' .4."0' 73' # $ ' 7AB2.' 98.A58""@' 89D' =79646.09."@' .7' 28?0';009'8;89D790D';@' .20' 0C:05756"79B';03750' 4.' <86' 4.' D706' 8:.085' .7' 98?0' 3498""@' 89D' 09.450"@' =0860D' 49' .20' 504B9' 73' 4

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' 1 .' <86' .20 75=489' "8< ' 8==75DG 49B' .7' 4=057 ' <24=2' 506=A0D' .20' "4 ; 05.@' 73' .20' =4.4\096' 357C' .20' 57D' 73' .20' "4=.756 ' 89D ' 86' I 5@' 50=75D6 ' + ' ' ' ' ' T 20' 79"@' "8<' <24=2' 600C6' .7' 28?0' ; 009' =85540D' .7' 68?0' .20' ; 8=F6' 73' .20' =4.4\096*U' 09=0' .20' : 76."0' # ' <209' 6=7A5B0D' ; @' 8' =09.A5479 ' 86F0D' .20' SA06.479/ 46'4.' A6.' 75' "8<3A" .7' 6=7A5BO' 6 ' #7C89' =4.4\09' z 1 20' "8<' 46' 0 I : 50660D' ; @' .20' <75D' =7 ' 79' 8' =749' 73' .20' # C ' 38C4"@' 8 ; 7?0' SA7.0D*

+ 1 246 .4."0' 46' 350SA09."@' 37A9D' 79' .2760' C0D8"6' 73' .20 @\89.490 C : 05756 ' <27' <050' 73' .20' 38C4"@' 73' .20' ' ' 89D' .2045' 6A==066756# 246' <75D' 9 x ' M68@6' K7 ; 05.N' D054?06' 4.6' 754B49' 89D' 8D7 : .479' 357C' 89' 8 : 85.C09.' 73' 246' 4C : 0548" : 8"8=0 ' <24=2' 796.89.490' .20' &508.' 28D' =8A60D' .7' ; 0' ; A4". ' : 8?0D' 89D' "490D' <4.2' 8' : 50=47A6' F49D' 73' C85 ; "0 ' 28?49B' 8' 50D' B57A9D' 6 : 7..0D' <4.2' <24.0 ' 89D' <24=2' <86' D06.490D' 375'.20' 3 ' 73' C : 506606 ' <2760' =24"D509' <050' 49' =7960SA09=0' 684D' .7' ; 0' " ' '+ + % ; 7C' 49' .20' : A5 : "0*

" # ' # ' !! / ' : 75.' <4.2' 624 : 6' 49' .20' C4D6.' 73' 4. ' 89D' .20' ?05"{ ; 05' 50=AC ; 09.' 8.' 4.6' C7A.2* 1 00' .8*

1 ' B8.0' 75' 09.589=0' .7' 8' =8C : ' 75' <8""0D' .7<9* 1 20' #7C896 ' <209' .20@' ; A4".' 8' =4.@ ' .58=0D' .20' "490' 73'4.6' 09="76A50' <4.2' 8' : "7AB2 ' 89D' .20' : 05679' 09.5A6.0D' <4.2' .246' 7334=0 ' 8==75DG 49B' .7' .20' : "89' D58<9' 7A. ' "43.0D' A : ' .20' : "7AB2' 8.' .20' : "8=0' <2050' 8' B8.0' <86' 49.09D0D" .' <86' 8"67' .20' =A6.7C' .7' : "8=0' 4C8B06' 73' .20' B7D6' 8.' .20' B8.06' 73' .7<96 ' 89D' 6A ; 60SA09."@' .2760' 73' .20' 0C : 05756' <050' : "8=0D' .2050' 496.08D" 20@' <050' : "8.0D' <4.2' 4579 ' 67' .28.' .20' 090C@' C4B2.' 904.205' ; 508F' 975' 2AC' .20C* 1 9' 8' D09854A6' 73' ABA6.A6' 46' .20' B8.0' 73' 8' < 4"0D' =4.@ ' ; 03750' <24=2' 46' : "8=0D' 89' 0SA06.5489' 6.8.A0' 79' 8' : 0D06.8" ' <4.2' y " " * 40' B8.06' 73' ' 850' 73.09' .7' ; 0' 37A9D' 79' #7C89' =7496 ' 06 : 0=48""@' .2760' 73' .20=' 7"79406* # ' ' 1 20' B8.06' 73' M 560.75489N' ' 8 : : 085 ' <4.2' .<7' 75' C750' .7<056 ' 67C0G .4C06' <4.2' 8' 6.85' 8 ; 7?0' .20C ' 79' =7496' 73' .20" 796.89.490' 24C4"@ ' &58.489 ' 8B9A6' 8\4C96 ' 89D' 4=.75" * 9' 64"?05' =7496' 73' 47="0.489 ' 8 I 4C489 ' 89D' 796.89.490' 2"75A6 ' <4.2' .20' "0B09D' 73' E. .' 46' .20' B8.0' 73' .20' 560.75489' =8C : ' <4.2' 37A5' 67"D4056' 68=5434=49B ; 03750' 4.*

4 ' $' + ' <050' 67C0.4C06' 6A5C7A9.0D' <4.2' .20' 57A9D' 85=2 ' ; A.' C750' 350SA09."@' 6SA850' 49' 375C* 1 00' .20' 0C : "0' 73' K89A6 ' 79' =7496' 73' 047*

#" M49' 67C0' # *N' *' & * 1 ' 20' # ' 1 ' 75' 75.' 73' 6.48 ' 50 : 50G 609.0D' 79' 3456.' 89D' 60=79D' ; 5866' 73' 057 ' <27' 49' .246' 496.89=0' 8 : : 57 : 548.06' .7' 24C60"3' .20' 279795' 73' .2760' 4CC0960' <75F6 ' <24=2 ' 8==75D49B' .7' A0.794A6 ' <050' =8A60D' .7' 20' =7CC09=0D ' 89D' 49' 8' B508.' C086A50' 0I0=A.0D ' 43' 97.' 09.450"@' =7CG : "0.0D ' ; @' .20' C : 0575' "8AD4A6 ' 8.' .20' C7A.2' 73' .20L 4 ; 05*

20' C0D8" 0I24 ; 4.6' 8' 608' : 75. ' <4.2' 60?058" ?0660"6' 49' 4. ' 89D' 8' 50=AC ; 09.' 34BA50' 73' 0 : .A90' 8.' .20' 09.589=0* 1 00' 1 ' # IN

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* 1 # # * H

' # " " * 1 ' : 75.' 8D7590D

<4.2' ?8547A6' 0D434=06 ' 89D' 49' .20' C4DD"0' 73' <24=2' 850' .2500' B8 406" 9' 8' 3456.' ; 5866' 73' 58 89*

T 2050' 850' .2500' .8"489' 608E : 75.6 ' <24=2' 600C' M68@6' =F20"N' .7' 28?0' ="84C0D' 08=2' 375' 4.60"3' .246' .4."0' 73' .20' + ' $' 7 N' A5' B508.' 9AC46C8.46.' .209' 09AC058.06' .20C' 86' 37""7<6/ 1 " ' ' ' 97<' =8""0D' ' ' :' " 1 ' 8.' .2 ' C7A.2' 73' .20' 4 ; 05/ " ' 49' .20' D548.4=' 89D' M83.05' 8 : 34764.0' SA7.8.4796' 357C' #7C89' <54.056N' =79G ="AD06' <4.2' 0I : 506649B' 89' 7 : 49479' 49' <24=2' 246' 508D056' =89' 285D"@' 384" .7' =79=A5 1 .28.' T 8 ' .249B6' DA"@' =7964D050D' 4.' 8 : : 0856' C6.' 57 ; 8 ; "0' .28.' .246' + ' 7 ' 46' .20' : 75.' 73' ' ' ' <24=2' <86' <27""@' .20' <75F' 73' .28.' C : 0575 ' 8==75D49B' .7' .20' .06.4C79@' 73' "49@" 9D' 8".27AB2' 6.48' <86' 8"67' =8""0D' .20' : 75.' 73' 58 89 ' 4.' 46' 97.' "4F0"@' .28.' .20' 098.0' <7A"D' C8F0' ; 786. ' 79' 4.6' =744" B0' 73' 8' : 75.' <24=2' 58 89' 28D' 79"@' 506.750D' 89D' 8ABC09.0D ' 89D' @0.' 90B"0=.' .20' ' : 75.' 73' 09.AC' 0""60' 58460D' 86' 4.' <86' ; @' .28.' : 549=0 ' 8.' 89' 4CC0960' 0I : 0960 ' 357C' .20' ?05@' 37A9D8.4796" A=2' "066' 46' .7' ; 0' 50B85D0D' 86' .20' : 75.' 73' 9=798 ' <24=2' 4.' 8 : : 0856' ; @' =05.849' 496=54 : .4796' <86' 49D0D' 09"85B0D ' 89D' 509D050D' C750' 60=A50 ' 8.' 58 89\6' 7<9' =76. ' ; A.' <24=2' D4D' 97.' ; 085' .20' 2797A5' 73' 246' 98C0*U

20' 375C' 73' .246' : 75.' 73' 58 89 ' 79' .20' C0D8" 09B58?0D' 49' 460"486' M:" [HHN ' 89D' 8"67' 49' 8?05E' =8C : L6' 8 ; 490.' 73' .20' %A009' 73' <0D09 ' 46' 20I8B798"" 28.' 79' 057L6' =749 ' <4.2' .20' 496=54 : .479' 73' # ' ' 46' 9085"@' 57A9D* 1 6 ' 27<0?05' .20L# 7C89' C790@056' <050' 97.' D46G .49BA4620D' 375' .2045' 6F4"" 49' : 056 : 0=.4?0 ' 67' 904.205 ' : 0528 : 6 ' 46' CA=2' 50"489=0' .7' ; 0' : "8=0D' 79' .20' B07C0.54= ' 8==A58=@' 73' .2045' D064B96*

' 1 20' .@ : 0' 73' 8' 608G : 75. ' 75' .20' 85=2' 73' 8' ; 54DB0 ' A9D05908.2' <24=2' 8' ; 78.' 75' ?0660" 46' 6009 ' 79' 8' 3456.' ; 5866' 73' 58 89' M<4.2' .20' 496=54 : .479' 6" " %" " ' 4 =4 : 4" 6" =N' 46' ; @' 67C0' .27AB2.' .7' ; 0' .20' + ' $' : ' ; A.' ; @' 7.2056 ' 89' 85=2' 73' .28.' =0"0 ; 58.0D' ; 54DB0' 73' 6.790' <24=2' .20' C : 0575' =8A60D' .7' ; 0' ; A4".' 7?05' .20' 89A ; 0* 1 ' 00' # ' #) # ' # $ 1 00' # ' '

1 20' =7496' 73' .20' 89=409.6' 28?0' ; 009' .20' C0896' 73' 289D49B' D7<9' .7' 96' .20' 308.A506' 73' 9AC057A6' 67?0504B96' 89D' =0"0 ; 58.0D' : 056798B06*

9D05 .20' &500F6 89D' 7.205 98.4796 <27 37""7<0D' .2045 :7"4=@ 49 .246 :85.4=A"85 .20' 54B2. 73 09B58?49B :75.584.6 75 C790@ <86 ?06.0D' 67"0"@ 49 .20' B7?059C09.# 9D' .20' .@ :06 <24=2' .20' C8B46.58.06 8D7 :.0D' .7' 8..06.' .2045' 6A:0549G .09D09=0' 7?05 .28.' C76.' A603A"# 89D' 4C :75.89.' 64B9 73 =7CC05=0' 89D' .7' 60=A50' .20' 6.89D85D' 89D' <04B2.' 73 .20' =7496' <050' .20' 4C8B06 73 .2045' .A.0"85@' 89D' 98.4798" D04.406' .20' 0C;"0C6 73 .2760' D4?494.406' 75' .20' 6@C;7"6 73 :07:"06 89D' =4.406*

.' 46' D06458;"0' 27<0?05' 49' 75D05' .7' :9.' 79 .2045' BA85D' .2760' <27 850' ;A.' "4.."0' ?0560D' 49 9AC46C8.4=' 6=409=0' .28.' 8' 50 85F' 627A"D' ;8 C8D0' <4.2' 5030509=0' .7' .2760' 89=409.' =7496' <24=2' 0I24;4.' .20' 0334B406 73 :056796' <27' 0I46.0D' "79B' ;03750' .20' 49?09.479' 73 =7498B0' 86 7C05' @.28B7586' AC8' 7C: 4A6' 9=A6 85.496' 89D' 7.2056# 2060' :40=06 850' 97.' =70?8" <4.2' .20' .4C06 49' <24=2' .20' 49D4?4DA8"6 .20@' 50:50609.' 3"7A54620D' ;A.' 850' :A50"@' =7CC0C758.4?0' 89D' 79"@' 605?0' .7' :57?0' 27<' 24B2' CA6.' 28?0' ;009 .20' =2858=.05' 89D' 38C0' 73 C09' <27' <050' .2A6' 2797A50D' 67' "79B' 83.05' .2045' D08.2' ;@' .58G D4.4798" :75.584.6' <24=2' <050' ;0"40?0D' .7' 50G 60C;"0' .20C* 0

20' #7C896' <050' "8.0' 49' 8""7<49B' .20' 4C8B06 73 "4?49B' C09' .7' ;0' :"8=0D' 79' .2045' C790@# A.' 86' .20' #0:A;"4=' 286.090D' .7' 4.6' 38 ' 4.' <86 8' :57C4909.' 7;0=.' <4.2' .2760' 8C;4.47A6' C09' <27' :7660660D' .20C60"?06 73' 86=09D89=@ 49 :7<05' .7' =8A60' C0D8"6 27' ;0' 38;54=8.0D' <4.2' .2045' 0334B406* 1 246' ;0=8C0' 89' 49?8548;"0' =A6.7C'Y 89D' :0=A"485' :54?4"0B0' 73 .20' C:05756' 89D' <0 349D' .28.' 0?09' .2760' A6A5:49B' 8D?09.A5056' <27' 49' D4330509.' :57?49=06 73 .20' 0C:450' 58460D' .20' 6.89D85D' 73' 50?7"." 8B8496.' .20' 504B949B' :549=0' "76.' 97' .4C0' 49' =45=A"8.49B' =7496' ;08549B' .2045' :75.584.6' <2090?05' .20@' 28D' .20' C0896 73 6.54F49B' .20C*

9' .20' 085"405' .4C06' 73' .20' #0:A;"4=' 97' 790 <86' 8""7<0D' .20' :54?4"0B0' 73' =74949B' C790@' 6. '" "066' <86' 4.' :05C4..0D' .7' 6.8C:' $20' :75.584.' 73' 89@' "4?49B' :05679' 79' 8' C0D8"* 1 9' :85.4=A"85' 496.8A=06' .20' 6098.0' ;@' 89' 0I:5066' 75D4989=0' =79=0D0D' .246' 2797A58;"0' D46.49=.479' .7' 67C0' 4 A6.547A6' =2858=.056' $ ' ' ' 9D' <0' F97<' .28.' .20' 790.85@' 54AC?456' 7==8G 64798""@' 7;.8490D' .20' 7334=48" :54?4"0B0' 73' :"8=49B' 79' .20' =7498B0' <4.2' <24=2' .20@' 050' 09.5A6.0D' .20' 208D' 73' 67C0' 89=06.75' 75' 7.205' 73' .20456' 5097<90D' 49' #7C84 6.75@# ?09' @""8' 8""# :7<053A" 86' 20' <86' 97.2' 7?05' .20' "4?06' 89D' "0B46"8.479' 73' 246' =7A9.5@C09' 28D' 97.' .20' 285D4277D' .7' :05:0.A8.0' .20' .584.6' 73' 246' :2@647B97C@;@' .28.' '7?05<24=2' 20' 375' 8' .4C0' 20"D' 334=.8.7548" 89D' A9"4C4.0D' :7<05# .' <86' KA"4A6' 60685' 79' <27C' .246' C85F' 73' 6A:50C8=@' $ ' <86';06.7<0D';@' .20' 098.0' 73' #7C0# 46' 018C:"0' <86' 4C4.8.0D';@' 7C:0@' 89D' 246' 6796' 89D' 6.589B0' .7' 68@' .28.' 6.0C' .@58994=4D0' 85=A6' KA94A6' 5 .A6' 83.05' 86646.G 49B' .7' 6"8@' 60685' 375' .20' "7?0]' 73' 3500D7C' 89D' .7' 506.750' .20' 50:A;"4=' <86' "4F0<460' .20' C89' .7' 8D7:.' .246' ' :58=.4=0' 73' 9AC46C8.4=' :756 .584.A50' 86' <4.9066' .20' =0"0;58.0D' D09854A6' 79' .20' 50?0560' 73' <24=2' 46' .20' 5' ' <4.2' .20

=8:' 73' "4;05.@' 89D' .<7' D8BB056' ="085"@' 6#964?0' .7' .20' 866866498.479' 73' .20' &508.' KA"4A6# 20' 0I8C:"0' .2A6' 60.' 90?05' =0860D' .7' 28?0' 37""7<056 49' .2760' <27' 8..8490D' 67?0504B9' 8A.2754.@' 49' .20' 6.8.0# =.8?4A6' 89D' 246' =7""08BA6' 85F' 9.79@' 89D' 0:4DA6' 97' 6779050;0B89' .2045' .54AC?458.0' .289' .20@' :"8=0D' .2045' "4F0906606' 79' .20' :57DA=.6' 73' .20' #7C89' C49.# 3.05<85D6 86' 67"0' C86.05' 73' .20' #7C89' <75"D' ABA6.A6' =7930550D' .246' :0=A"485' :54?4"0B0' 79' .20' C0C;056 73' 246' 38C4"@' 86' <0' 600' 357C' .20' =7496' 73' 4;054A6' 85=A6' B54::8' 89D' 84A6' 89D' A=4A6 246' 8D7:.0D' B589D6796' <24=2' 506:0=.4?0"@' ;085' .2045' :75.584.6# 9' "4F0' C89905 4;054A6' :"8=0D' .20' 0334B406' 73' 246' 679' 5A6A6' 89D' 83.05<85D6 73' &05C894=A6' 67A' 73' 057' "8AD4A6' 5A6A6' 246' 8D7:.0D' 679' 79' .20' 085"@' C0D8"6' 73' 246' 504B9*

20' #7C89' B7?059C09.' 28?49B';0=7C0' T'8' C7985=2@U' .27AB2' 6.4 ' :50605?49B' 67C0' 7A.G <85D' 620<' 73' 506:0=.' 375' T'50:A;"4=89' 496.4.AG .4796U' 8' 605406' 73' =7496:=7CC09=06' <24=2' ;064D06' 4.6' 7.205' 9AC0574C' ="84C6' .7' 8..09.479' :76606606' .20' C054.' 73' :50609.49B' .7' A6' 49' A949.055A:.0D' 6A==066479' .20' :75.584.6' 73' 549=06' <27' DA549B' 8' :0547D' 73' 343.009' =09.A5406' 504B90D' 7?05' .20' B508.06.' 0C:450' 49' .20' <75"D# 20' :75.584.6' 73' .20' C:05756' 606856' 89D' 7.205' :056798B06' 73' .2045' 38C4"406' .7B0.205' <4.2' C76.' 73' .20' B09058"6' <27' 866AC0D' .20' :A5:"0' 0C;"0C' 73' 4C:0548" 8A.2754.@' 49' D4?056:57?49=06' 73' .28.' ?86.' D7C49479' 375C' 49D00D' 8' 6A4.0' 97.' 79"@' :50=47A6' 89D' 496.5A=.4?0' 49' .20C60"?06' ;A.' 509G D050D' 6.4# C750' ?8"A8;"0' 86' 83375D49B' 8"C76.' .20' 79"@' C0896' 73' 86=05.84949B' .20' :056798" 4D09.4.@' 73' ?8547A6' 6.8.A06' ;A6.6' 89D' 50"40?76' <24=2' <4.27A.' =7C:85467 9' <4.2' C0D8"6' 79' <24=2' 98C06' 850' A94.0D' .7' 0334B4"6' <7A"D' 50C849' .7.8""@' ?74D' 73' 246.754=8" 49.0506.*

! ' + ' 75' ' + ' 20' ' 64D0' 73' 8' =749* 1 00' .20' <75D' *

' 8' :8.54=489' 38C4"@' 89D' 86' 6A=2' 8"<8@6' 50C8490D' A98D7:.0D' ;@' 89@' :"0;0489' 38C4"@# .' <86' D4?4D0D' 49.7' 60?058" ;589=206' .20' 97;"06.' 73' <24=2' 86' 50=75D0D' ;@' 98C0' 79' #7C89' D09854 4' <86' .20') ' (4.2' .20' 0IG =0:.479' 73' 8' 30<' 5850' 50?05606' 4.6' =7496' 8' 49' 64""?05' 850' =7CC79*

20' 37""7<49B' 46' 5850' 89D' 73' 246.754=8" 49.0506./1

*1 + =76# 20';850' 208D' 73' 76E .AC496' .20' =796A"*1 6 ' ! !* ' ' . ' 496=54;0D' <4.249' 8' =57<9' 73' =759E0856*

246' D09854A6' <86' 6.5A=F' ;@' KA94A6' C.96' <27' 83.05';049B' 8D7:.0D';@' 76.AC4A6' ";4""A6' <86' =8""0D') '* ' ! ' 89D' <27' .7' 49D4G =8.0' .20' =796:4=A7A6' 589F' 73' .20' 38C4"@' 49.7' <24=2' 20' <86' 8DC4..0D' 496=54;0D' 79' .2060' =7496' .20' 98C0' 73' # 76.AC4A6' ";A6' <27' 49' .20' @085' 73' #7C0' >[' <24"6.' 86' *@0.' .20' 50:A;"4=' <86' 49' 4.6' 49389=@' B8490D' 8' 64B98" ?4=.75@' 7?05' .20' 8.496' 9085' .20' "8F0' #0B4""96' <209=0' 20' 50=04?0D' .20' 8:.0""8.479' 73' #0B4""09646# 4.A6' 89D' 0I.A6' 85SA494A6' 67A6' 73' '49B' 85SA49' .20' 57AD' .20' =2403' 8A.2756' 73' .20' <85' 28?49B' ;7.2' ;009' 6"849' 49' .28.' ;8.."0' 8==75D49B' .7' .20' =7:47A6' 98558.4?06' 73' .20' #7C89' 246.754896*

20' 37""7<49B' 605?06' .7' 4""A6.58.0' 8' 38;A"796 :8668B0' ;A4".' 79' .20' 8;7?0E98C0D' 38=.' 73' 76.AC4A6L6' ?4=.75@' 86' 50"8.0D' ;@' 479@64A6 73' 8"4=859866A6/1

*1 9' .20' 50?0560' <0' 600' .20' 476=A54' M 86.75' 89D' 7""AIN' <08549B' .20' D46.49=.4?0' =8:6' 73' ' 628:0' .20@' 6.89D' 506.49B' 79' .2045' "89=06' ;@' .20' 64D0' 73' .2045' 275606' <24=2' 850

D549F49B' 8.' 8$:' 8;7?0' .2045' 208D6' 850' 6.856' 89D' ;03750' .20C' 46' 8' =506=09.# 0"7<' <0' 508D' .20' C76.' 4""A6.547A6' ' 73' .20' 38C4"@/ # 6# x*' M A"A6' ";49A6' 679' 73' :A54A6*N

05' .20' 0B4""0964890' ?4=.75@' 8=240?0D' ;@' 76.AC4A6' ";49A6' 7?05'.20' 8.496'89D' .20'6796' 73' 85SA494A6' A:05;A6' 4.' 46' 684D' .20' 476=A54' 8::0850D' 86' .20@' 850' 50:50609.0D' 79' .246' C0D8"' 49' .20' $ ' 73' #7C0' 89D';57AB2.' .20' 49.0""4G B09=0' 73' .246';8.."0' 8.' 2' C7C09.' <209' 79' 8==7A9.' 73' .20' D46.89=0' 97' 790' =7A"D' 86' @0.' 28?0' F97<9' 73' 4.6' 7==A5509=0# 20' 6.75@' B706' 79' .7' 68@' .28.' DA549B' .20' 8=.479 '.<7' @7A9B' C09' <050' 6009' 34B2.49B' ?8"489."@' 79' .<7' <24.0' 275606' 375' .20' #7C896' 89D' .246' 34BC09.' B8?0' 5460' .7' .20' <75624:' 73' .2_' .<49' ;57.2056' 8.' #7C0*1 246 64"?05'=749'<86'6.5A=F' ;@8'C790.8"' .54AC?45' 73' .20' 76.AC48' 38C4"@' 49' C0C75@' 73' 246' =796A"85' 89=06.75L6' B508.' 0I:"74.*

1 2050' 46' 897.205' D09854A6' 73' .246' 38C4"@' <24=2' D7A;."066' 503056' .7' .20' 68C0' 6A;0=.# .' 0I24;4.6' 79' 790' 64D0' .20' 208D' 73' 4898' <4.2' .20' 496=54:.479' $ ' 89D' 79' .20' 50?0560' .20' 0:4G B58:2' # 6# x*' <4.2' .20' .@:0' 73' .2500' 27560C09' 85C0D' <4.2';A=F"056' 89D' 98=06'54D49B' 8.' 3A"" 6:00D' <24"6.' 8' 377.E67"D405' 46' 5A9949B' ;03750' 86' 43' 09D08?7A549B' .7' 06=8:0' .20C*

#7C89' 246.754896' 50"8.0' .28.' 86' 8.' .20' 34B2.' 9085' "8F0' #0B "A6' ?4=.75@' 8.' 790' .4C0' <86' D7A;.3A"' .20' 86.05' 73' .20' 7560' 75D050D' ;46' C09' .7' B4?0' .20' 504B96' .7' .2045' 275606' .28.' .20@' C4B2.' .20' C750' :7<0539 @ =285B0' .20' 090C@' 89D' 4.' <86' ;@' .246' C0896' .28.' .20@' ;57F0' .20' 589F6' 73' .20' 8.496' 89D' .77F' .2045' =8C:*

20' 37""7<49B' D09854' 73' .246' 38C4"@' 850' '89D'5850 1

*1 08D'73' 4898' 7?05'<24=2' 46' :"8=0D' 208D' 73' 8' 6.8B' 89D' ;0249D' 205' 627A"D056' 850' ;7<'89D'SA4?05*1 6 ' '# ' '% ' ' ' 0$;' 20' .7:' 73' 8' 57=F' 75' 24 ' 79' <24=2' 6.89D6' 8' "0B8.0D' C89' <27' 0I.09D6' 246' 54B2.' 289D' 7?05' 8' ?4=.4C' ;A"" ' 49' .20' C4DD"0' ;0.<009' 08=2' 46' 8' "4B2.0D' 8".85*

1 I{# ' 30C8"0'208D' <08549.2 04"89D'<4.2' D46207?0""0D'2845*1 * ' '

' C89'="7.20D' 49'.20' .7B8' 6.50.=206'375.2'246'54B2.'289D'.7<85D6' 8' "0B47985@' 08B"0':"89.0D'9085'24C ';0249D'850' .20'386=06'<4.2'.2045'8I06*

9' =7CC09.49B' 79' .20' 375C05' 73' .2060' .<7' D09854' M # 89D' N' 0F20"=4.06' 4?@'.7'620<' .28.' # 76.AC4A6' ";49A6' <86' =508.0D' 8' . ' ' $ ' 49' .20' 577C' 73' # 7590"4A6' 09.A"A6# 9.4SA85406' M20' B706' 79' .7' 7;605?0N' 850' 73' 7:49479' .28.' 86' 4.' ;0"79B0D' .7' .2060' . ' .7' 6A:0549.09D' .20' 60=A"85' B8C06' .2760' :A;"4=' 620<6' <0500' =0"0;58.0D' ;@' 24C' 75' ;@' 246' 679' 8::749.0D' .7' .20' 68C0' 733=0' 89D' .28.' .246' 2797A5' <86' "79B' 83.05<85D6' 50G =75D0D' 79' .2060' 64"?05'=7496' 73' A"A6# 75' .20' B8C06' 8;7?0EC09.#790D' <050' :05375C0D' 49' 2797A5' 73' :7""7' 89D' 73' 4898' 8==75D49B"@' .20' .20' 4C8B0' 73' .20' "8..05' D04.@' 46' :"8=0D' 79' .20' 7;?0560# 7507?05' .20' .0C:"0' 89D' 8".85' 73' .28.' B7DD066' 6.77D' 79' 7A9.' ?09.490' 89D' .28.' 8.' .2060' B8C06' 73' 4898' 7I09' <050' 4CC7G "8.0D' <0' 28?0' .20' .06.4C79@' 73' 758=0' 49' 246' ' ' /1

/ 0 ' ')) ' ' -)

/ 0 ' ' ' 0 ' / ' . '+ ' ' '

20' .@:0' 73' .20' D09854A6' M 7# *N' 46' .27AB2.' ;@' 5649' .7' 8""AD0' .7' .20' .54AC:2' <24=2' # 76.AC4A6' ";49A6' 7;.8490D' 49' .20' @085' ?*=*' [' 375' 246' ?4=.74 6' 7?05' .20' A64.894' 89D' 8==604' 49' 46:8948'A".05475' 86' 4?@' 89D' .20' ' + '50=75D* ' " ' ' ' -' ;759' 49' 89' 7;6=A50' ?4""8B0' 73' &8A"' <86' 79' 8==7A9.' 73' 246' 50C85F8;"0' ?8"7A5' 89D' 7.205' B77D' SA8"4.406' 8::749.0D';@' 8"05489A6'.7';0' 56030=.' 73' &8A"' 89D' BA85D489' 73' 4.6' 3579.405' 8B8496.' .20

&05C896' <2760' 49=A564796' 20' 8"67' 0330=.4?0"@' 50:50660D' DA549B' .20' 3456.' @0856' 73' &8""409A6L6' 504B9# 28.' :549=0' 28D' 4D508D@' 09.5A6.0D' .7' 24C' .20' =850' 73' 246' 679' 8"7949A6' 8' C85F' 73' =7934D09=0' <24=2' 20' 384.234""@' 50:84D' A9.4"' .20' @285' >[' <209' 20' 866AC0D' .20' .4."0' 73' ' 89D' 8""' .20' 8==A6.7C0D' 2797A56' =79G 90=.0D' .2050<4.2# 20' =7CC09=0C09.' 73' 246' A6A5:8.479' <86' 6A""40D' ;@' 89' 80.' 86' =5A0"' 86' 4.' <86'.584.757A6# 0' =8A60D' 8"7949A6' <27' 28D' .8F09' 503ABO' 49' 7"7B90' .7' ;0' D0"4?050D' A:.' .7' 24C' 89D' 20' :A.' 24C' .7' D08.2' <4.2' @"?89A6' 28' @7A.2L6' :50=0:.75' <27' 28D' ;0=7C0' 246' 090C@# 0' .209' 06.8;"4620D' 246' 504B9' 7?05

&8?D' :849 ' 89D' 54.849 ' 49' 08=2' 73' <24=2' .2500' :57?49=06' .20' :07:"0' 8=F97<"0DB0D' 24C' <4.2' 7@' 86' .2045' C:0575 ' <24"6.' 20 ' ;@ 246' 07A58B0' 89D' <46D7C ' D0309D0D' .20C' 357C' 0?05@' 370 ' 89D ' .279B2' 89' A6A5:05 ' 68?0D' .20' 0C:450' 357C' .2508.090D' D06.5A=.479# .' .20' 2 0 ' 73' .20' #7C89' 85C406' 49' .20' <06. ' 20' D57?0' .20' ;85;854896' ;0@79D' .20' #2490 ' 89D' ; A4".' 375.6' .7' 506.5849' .20C# 246' 6 ' 4 8 ' 86' 20' 46' 6.@"0D' 79' 246' C0D8"6 ' 28?49B' 06.8;"4620D' :A;"4=' .589SA4""4.@ ' 97.'"066' ;@ .20' 493"A09=0' 73' 246' =2858=.05' 375' A6.4=0 ' C7D058.479 ' 89D' 68B8=4.@ ' .289' ;@ .20' :7<05' 73' 246' ?4=.7547A6' 6<75D ' .77F' .20' D4B94.@' 73' =796A# .2500' .4C06 ' 89D' 8667=48.0D' 246' 679' 76.ACA6' <4.2' 24C' 49' .20' B7?059C09. ' A9D05' .20' .4."0' 73' 60685' 89D' ABA6.A6* 1 ' &8""409A6' 28?49B' C8D0' <85' A:79' 24C' <4.2' 3"A=.A8.49B' 6A==066 ' 76.ACA6' .77F' 4=.754996 ' 8' ;58?0' 89D' 8;"0' B09058"' 49.7' =7 08BA0624:' 89D' ;@' .2045' A94.0D' 03375.6 ' 49' 6:4.0' 73' .20' 276.4"4.@' 73' .20' "0B4.4C8.0' C:0575 ' 89D' .20' 9AC057A6' 3 ' <27' <050' .08549B' .20' 0C:450' .7' :40=06 ' .20' :57?49=06' <050' 97;"@' 506=A0D' 357C' .20' 8..8=F6' 73' .20' ;85;857A6' .54;06' .28.' 6<85C0D' 79' .20' 3579.4056' 57<90D' <4.2' 6A==066' 49' 85C6 ' 76.9C96' 504B90D' <4.2' B"'75@' 89D' 2797A5' 7?05' .20' <06.059' :57?49=06 ' A9. ' .20' :0547D' !'<209' 86"48996' 866AC0D' .20' :A5:"0' 49' .20' =4.@' 73' 8@09=0# .' <86' 83.05' ?89SA46249B' .246' 8D?09.A505' 8;7A.' ' > ' .28.' 20' 89D' 246' 679' <050' 866866498.0D' ;@' 246' 7<9' 67"D4056 ' 496.4B8.0D' ;@' 89' 7334=05' 98C0D' 7""4<A6# 2A6' S4054620D' 76.9C96' 83.05' 8' 504B9 ' <24=2 ' 509D050D' 8"4F0' ;54""489.' ;@' 246' :056798# C054.' 89D' 246' C4"4.85@' .8"09.6 ' =8A60D' 24C' A6."@' .7' ;'0' 50B85D0D' 97.' 79"@' 86' ;@' 385' .20' C76.' 4 96.547A6' 73' T' .20' .245.@' .@589.6 U' ;A.' 8"67' 86' 790' <27C' 98.A50' 28D' 375C0D' .7' ;'0' 8' 2057 ' 89D' SA8"4340D' 8.' 79=0' .7' B7?059' 89D' D0309D' 8' 6.8.0*

9' .20' =7496' 73' 76.ACA6' <24=2' 850' 9AC05G 7A6' 06:0=48""@' 49') ' ' 89D'7 ' 89D' ' ;5866' 20' 46' 6.@"0D' ! # ' # ' 1 ! # ' 4 2 ' (1 1 ' (' (' 1Y 1 "67' # =# # # # # :# :# ?7*' <4.2' 7C0G .4C06' # # 75' ' + ' ' + E ' 4 ' g' .20' 50?0560*

7C0' :40=06' 73' 76.9C96' "4F0<460' ;085' 897.205' 208D ' <24=2' <86' 375' 8' "79B' .4C0' 6A:G :760D' .7' 50:50609.' .28.' 73' 246' 679# M 00' 76E' .9CA6' A9475N# """ 246' =7496 ' .27AB2' 73' #7C89' D40 ' <050' 6.5A=F' 49' .20' :57?49=06' 73' &8A"' <2050' 20' 504B90D' 86' C:0575# 46' B7"D' =7496' 850' 73' .20' 24B206.' 5854.@ ' 89D' 790' 46' 0 1 00' F05C89L6' ' - ' '46' =79 0=.A50D' .7' 28?0' ;009' .20' <430' 73' 76.ACA6' ;A.' 97.249B' 46' F97<9' 73' 8' :549=066' 67' 98C0D ' 975' 46' 0?09' 205' 0I46.09=0' :57?0D* 1 20 :40=0' :A;"4620D' ;@' 2433"0.' 357C' 8' # 73' &7".\4A6L46' 6A6:0=.0D' ;@' 08A?846 ' 89D' :5797A9=0D' ;@' =F20" ' 47A90.' 89D' F05C89 ' .7' ;'0' 38"60*

6' .20' 8A.2754.@' 73' 76.9A496' D4D' 97.' 0I.09D' 7?05' .8"@ ' 20' <86' 90?05' 8=F97<"0DB0D' ;@' .20' 098.0' 73' #7C0# 246' =45=AC6.89=0' D4D' 97.' 27<0?05 ' D0.05' 24C' 357C' 49?06.49B' 24C60"3' <4.2' .20' A6A8" .4."06' 73' "0B4.4C8.0' C:05756# 0' 0?09' =8A60D' .20' 6098.7548" C85F' 73' 6# =# 79 C89@' 73' 246' ;5866' C79406' 2A.' 97.' 79' .20' B508.05' :75.479# 46' =7496' B09058""@' 0I24;4.' .20' :75.584.' 8 :' 67C0.4C06' 27<0?05' =57<90D' <4.2' ' ;A.' C750' 5850"@' 46' .20' 208D' =7?050D' <4.2' 8' * 1 ' B508.' 9AC;05' 73' 246' C0D8"6' 600C' .7' 28?0' ;009' 97.' 6.5A=F' ;A.' ' .2056' 0?4D09."@' 50E6.:A=F' 6.4""' 50.849' 50C8496' 73' .20' 4C:506647' 73' :50=0D49B' 0C:05756' 89D' 0C:506606/' 8' =45=AC6.89=0' <24=2' 620<6' .28.' 20' 286.4"@' 50G 6.8C:0D' <4.2' 246' 7<9' T' 4C8B0' 89D' 6A:05G 6=54:.479U' 8' :85.' 73' .20' =A5509.' =749' 73' .20' 0C:450*

' A9475' <86' .20' 679' 73' 76.9C96' 89D' M8==75D49B' .7' =79 0=.A50M' 73' KA948' 798.0# 0' 46' D06=54;0D' ;@' 50;0""4A6' 7 47' 86' 8' C76.' 0"7SA09.' @7A.2' 89D' 67' 6F4"3A" 49' 246' 28589BA06' 89D' D0="8C8.4796' .28.' .20@' <050' 67C0.4C06' .8F09' 375' .2760' 73' .20' =0"0;58.0D' %A49=.4"489# 667=48.0D' ;@' 246' 38.205' 49' .20' B7?059C09.' A9D05' .20' .4."0' 73' 60685' 89D' 6779' 83.05<85D6' <4.2' .20' 6A:50C0' D4B94.@' 73' >[N' .20' @7A9B05' 76.9C96' 46' 83345C0D' ;@' .20' 8A.275' 8;7?0E98C0D' .7' 28?0' :85.8F09' <4.2' 246' 38.205' ;7.2' 49' =4?4" B7?059C09.' 89D' 49' C4"4.85@' =7CC89D# 2A6' A94.0D' .20@' ;8D0' D03489=0' .7' 8"" .20' 03375.6' 73' &8""409A6' .7' =79SA05' .20C' 89D' 20"D' :766066479' 73' .20' .2500' B508.' :57?49=06' 73' &8A"' :849' 89D' 54.849' 375' 60?09' @0856 0.;8.' 46' .7' 68@' A9. ' ' > ' <209' .20@' ;7.2' :054620 ' ;@' .20' 289D6' 73' .20' 67"D4056' A9D05' .2045' =7CC89D*

.' 46' ;@ 97' C0896' =05.849' .28.' .2050' 850' 89@' :40=06' 73' 76.ACA6' .20' 679' 0I.89.' 89D' .2760' <24=2' <050' 375C05"@ 86=54;0D' .7' 24C' 28?0' ;009' 50E8:57:548.0D' .7' 246' 38.205' <4.2' .20' 0I=0:.479' 73' 8' ?05@' 6C8"" 9AC;05' 89D' 0?09' .2760' =8997.' <4.2' :764.4?0' =05.849.@' ;'0' 8..54;A.0D' .7' 24C*

47990.' B4?06' y9 09B58?49B' 86' 73' 76.ACA6' A9475' 73' .20' 75D4985@' 64\0' 49' ;860' 64"?05' ") m' <24=2' 79' .20' 7;?0560' 46' 496=54;0D' ! # ' H' (1 1 ' (' (' 1B ' <4.2' .20' "8A508.0D' 208D' 73' 76.9C96' 609475' 89D' 79' .20' 50?0560' ;0856' .20' "0B09D' 1 4 ' ' <4.2' .20' 58D48.0D' ;A6.' 73' 76.ACA6' .20' 679' 27"D49B' 8' 6=0:.50' 79' 246' 627A"D05* 1 00' 47990.L6' 97.0' 79' =F20"L6' 7:49479' 50"8.4?0' .7' .20' 8""0B0D' C0D8"6' 73' .20' @7A9B05' 76.9C96' 89D' F05C89L6' 894C8DG ?0564796' 79' ;7.2*

20' 208D6' 50:50609.0D' 79' .20' 50?0560' 73' 67C0' =7496' 73' 76.9C96' 609475' C8@' ;'0' <4.2' B508.' :57;8;4"4.@' 50B85D0D' 86' .2760' 73' 856' 75' 73' 05=A"06* # ! * 1 ' # ' # * 1 " ' # ' ' ' # * 1 ' 2 ' # ') ' # # * 1 246' 46' ' $' .20' 98C06' B4?09' ;@' 509=2' 9AC46C8.46.6' .7' ;860' ' 20' <54.056' 73' .28.' 98.479' 28?0' 8D7:.0D' ;7.2' .246' D097C498G .479' 89D' .28.' 73') ' 04.205' 49D46=54C498.0"@' 75' 49' .2045' 09D08?7A5' .7' D46=7?05' .20' D4330509=06' ;0.<009' .20' 98.A50' 73' .20' 8""7@6' <24=2' 375C' .20' C8.0548"6' .2A6' SA8"4340D# # ' 46' 8' =7C:764.479' 73' =7:::05' .49' 89D' "08D' 73' <24=2' 67C0' 73' .20' C790@' 73' .20' 89=409.6' <86' 38;54=8.0D# T .6' 98C0' M68@6 4""49N' 46' D054?0D' 357C' .20' C4I.A50' 73' C0.8"6' 0C:"7@0D' 49' .20' C89A38=.A50' 73' :7.6*U' 1 8?7.' D09406' .28.' .2050' 46' 89@' 64"?05' + :

' *

73' .20' =4.@' 89D' .7' .20' B7?059756' 73' :57?49=48'' .7<96'49' .8"@'' A.' A9D05' .20' 0C:05756' 6A=2' =289B06' .77F' :"8=0' ;7.2'49' .20' 8A.2754.@' 89D' 493"A09=0' <2+=2' 28D' 375C05"@' ;0"79B0D' .7' .20' 3456.' 7334=056' 73' 6.8.0' .28.' 67CD' <050' 50DA=0D' .7' C050' =4:2056' 89D' 7.2056' <050' =8""0D' ;@' 90<' 8::0""8.4796'' KA"4A6' 60685' 8::749.0D' # $ a' 496.08D' 73' 560.756*1 ABA6.A6' <86' .20' 3456.' .7' =79305' .20' .4."0' 73' 5030=.' 79' B7?059756' 73' :57G ?49=06*1 20' .4."0' 73' 5030=.' 46' 350SA09."@' 3799D' 79' "08D09'=7496*1 56030=.4' "8664AC'89D' 56030=.4' 8;CC' 850' 37A9D' 79' 64"?05'=7496' 73' .20' 50:A;G "4=89' C49.' 89D' 73' .20' .54AC?458.0' 73' =.8?4A6' +0:4DA6' 89D' 9.79@*1 5030=.6' 850' 8"67' 09ACOG 58.0D' 8C79B' .20' C8B46.58.06' 73' =7"79406*

$ a' ' a 1 20' =7CC89D05' 73' 8' 98?8'' 85C8C09.' <86'.2A6'=8""0D'' .' 896<056'.7' 7A5'.05C' ' $' ' ! ' <2+=2' A9D05'.20' 50:A;"4=' <86' A6A8""@' 09.5A6.0D' ;@' .20' 6098.0' .7' C09' 73' =796A"85' 75' :560.75489' 589F' 2760' <27' 49' ' 9.79@L6'.4C0' 09 7@0D' .20' C854.4C0' :50G 30=.A50' 28D' 3346' :05C466479' .7' :"8=0' .2045' 98C06' 79' 246' =7496' 86' 375' 0I8C:"0' ' $! ' o' 1 1 ' , ' ((1 ' 4 (' <27' 86' #' +' 75' # $ ' ' ' 850' <4.2' .20' :580G .75489' B8""0@' M.20' 6@C;7'' 73' .2045' :5030=.A50N' .2A6' 496=54;0D' 75' 86' .7' .246' D8@' 49' C854.4C0' 6.8.06' 67' 8C79B6.' .20' #7C896' 49' .20' 3"00.' 73' .20' :5030=.' <2+=2' =79646.0D' 73' 8' ?86.' 9AC;05' 73' ?0660"6' .2050' <86' 790' <2+=2' .77F' :50=0D09=0' 73' 8"'' 7.2056' 86' .20' T' DC458"L6' 624:*U 1 28.';7.2' .20' 7C:=@6'38.205'89D' 679' ="84C0D' .20' 0C:450' 73' .20' 608' 86' 8' =285B0' D0"0B8.0D' .7' 20C' ;@' .20' 6098.0' 46' 627<9' A9D05' D4.30509.' .<"06' 79' <0""E F97<9' D098444' 73' .28.' 38C4"@' <2+=2' D064B98.0' .20' :8509.' 86' '#* ' =76*' <4.2' .20' :57<' 73' 8' B8""0@' 29D' 0I.A6' .20' 679' 86' #$ #' "o ' ' 2' ' :5030=.' 73' .20' 54.462' 3"00.' 46' 50=75D0D' 49' 89' 496=54:.479' 37A9D' 8.' @C90' 49' '0.*1' T'#0:75.' 79' I=8?8.4796' C8D0' 79' .20' 64.0' 73' .20' #7C89' 86.5AC' 8.' @C90 U' :4# ?44*' ;@' # #78=2' C4.2*

$ a' # 1 5030=.' 73' .20' 50E' .7549C# 0' <86' .20' =2403' =7CC89D05' 73' .20' 560.75489' ;89D6' 89D' 86' 8' 24B2' C4"4.85@' 7334=05' 49' 8' C7985=2@' C8@' ;0' .05C0D' 7"790" 73' .20' C:0548"' &A85D# 20' 7334=0' 06.8;"4620D' 86' <0' "0859' 357C' 479' ;@' ABA6.A6' <86' 8.' 3456.' 73' "4..'0' 4C:75.89=0' ;049B':A50"@' C4"4.85@' 89D' B4?09' 79"@' .7' 790' 73' .20' SA06.5489' 5D05# A.' 83.05<85D' .2060' :5030=.6' ;@' .20' =79=09.58.479' 73' .2045' =7275.6' <4.249' .20' :560.75489' =8C:' 79' .20' 7A.6F45.6' 73' #7C0' 509D050D' .20C60"?06' 0SA8"' 49' 508"' :7<05' .7' .20' 0C:05756' .20C60"?06' <2760' =796.89.' =7C:894796' .20@' <050#' 75' 86' 83.05' ABA6.A6' C76.'73'.20' 6068'56' <050' .@589.6' .2045' 60=A54.@' <86' 67"0"@' :"8=0D' 49' .20' 34D0"4.@' 73' .20' :560.75489' 67"D4056' <4.2' <27C' .2045' =7CG C89D05' <86' 89' 7;0=.' 73' B508.05' 8..8=2C09.' .289' .20' 67?0504B9' 24C60"3# 09=0' 4.' <86' .20' =A6.7C' 375' .20' 560.75489# 5030=.6' .7' ;0' =79G 6.89."@' 9085' .20' 0C:05756'575' .20' :57.0=.479' 73' .2045' :056796' 89D' 38.8"' 49D00D' <86' ' :57G .0=.479' .7' 67C0' 73' .2760' <27' .5A6.0D' 49' 4.*1' A549B' .20' 504B9' 73' 796.89.490' .20' &508.' 37A5' 56030=.4' 560.7544' <050' 8::749.0D' .7' <27C' .28.

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C:0575' B8?0' 6A:50C0' =4?4"' 89D' AD4=48'' :7<05' 49' .20' :57?49=06';A.' D0:54?0D' .20C' 73' .20' =7CC89D' 73'.20'85C@' <24=2'754B498""@';0"79B0D' .7' .20C*1 9' C0D8"6' <24=2' =7CC0C758.0') ' .20' C4"4.85@' 34BA50' <24=2' 6.89D6' ;0249D'.20' C:0575' 608.0D' 79' 89' ' 89D' D46.54;A.49B'.20' ' 46' =7964D050D'.7';0' .28.' 73' .20' 560.75489' :5030=.' <27' 8"<8@6' 6.77D' 9085' 246' :549=0' 79' :A;"4=' 7==864796*1 00') a' 89D' '

$ ' 1 20' :5030=.' 73' :57?464796' <86' 8::749.0D' 79"@' 8.' :0547D6' 73' 6=85=4.@' 89D' 73' :506649B' 90=0664.@' <4.2' 50B85D' .7' .20' 6A::"@' 73' 377D' 375' .20' :07:"0#' .' <86' .209' .2045' 06:0=48'' DA.@' .7' .8F0' C086A506' 375' .20' :57C:.06.' :7664;"0' =79?0@89=0' 73' =7C' 357C' .20' :57?49=06' 89D' 904B2;7A549B' 6.8.06' .7' #7C0# 3.05<85D6' .246' D4B94.@' <86' =7930550D' <4.2' B508.05' 0I.09.' 73' :7<05' 79' 7C:0@' 86' 4=057' " ' 4?# +' 4+' ' %' <54.06*1 A;60SA09."@' ABA6.A6' .77F' A:79' 24C60"3' .20' =850' 73' .20' ' 89D' .7' 8?74D' .20' :056798'' .57A;"0' 73' .246' :5030=.A50' 8::749.0D' .<7' :056796' .7' <27C' 20' =7CC4..0D' .20' .86F' 73' D46.54;A.49B' <208.' 89D' 7.205' ?4=.A8"6' .7' .20' :07:"0' M8==75D49B' .7' 479' 866# +' 4?+' :#[>,N*

$ V' -) ' 5030=.' 75' (85D09' 73' .20' 4.@' M73' #7CON*1 9D05' .20' 3500' 50:A;"4=' .2050' <86' 97' 69=2' C8B46.58.0' 0I=0:.' 375' 8' 6275.' 6:8=0' 73' .4C0' <209' .20' =796A"6' <050' 8;609.' 79' 8==7A9.' 73' .20' :0=A"485' =050C79406' =8""0D' ! ' =0"0;58.0D' 79' 7A9.' ";89A6' 8.' .20' ;508F49B' 7A.' 73' 8' <85' 49' 75D05' .28.' #7C0' 627A"D' 97.';0"03.' <4.27A.' 8' B7?059C09.' 89D' 8' C8B46.58.0'" ' ' +' 2#*]"# A.' ABA6.A6' 50E=508.0D' .246' 5;89' 5030=.A50' 89D';46'=7A9G 60""75' 60=0986' <86' .20' 3456.' .7' 34"" 4.*1 20' A546D4=.479' 73' .246' 7334=05' 0I.09D0D' 09.450"@' 7?05' #7C0' 89D' .7' .20' 2A9D50D.2' 6.8D4AC';0@79D' 4.6' <8""6' 89D' 246' 8A.2754.@' ;0=8C0' 8.' "09B.2' 67' =7964D058;"0' 86' .7' 0SA8"' .28.' 73' .20' 50.75489' 5030=.*

9' .20' 50?056O' 73' 8' D09854A6' 73' .20' ' 38C4"@' <0' 600' 8' =A5A"0' =2845';0.<009'.<7' 386=06' 89D' .20' 496=54:.479' * & o ' 5+' # * % ' $ ' ! a' ! '# $ ' 8) 1 2050' 850' 8"67' 0I.89.' =7496' 73' # 0:4D96' 89D' # "89=A6' 73' .20' ' 38C4"@' 79' <2+=2' 46' 496=54;0D' .20' 68C0' D4B94.@' 73' # 0=44W' # <' ;A.' <4.2G 7A.' .20' 4964B948' 73' .20' 386=06# 9' 83.05' .4C06' 27<0?05' .20' 5030=.6' 73' .20' 4.@' 28D' .20' :54?4G "0B0' 73' .20' 386=06 1 00' $ # $ ' 8' C0.8"' ?860' A60D' ;@' .20' #7C89' 8ABA56' 89D' :5406.277D' 8.' .2045' 68=5434=06' 375' 27"D49B' <490' A60D' 49' .20' "4;8.4796# .' 28D' 8' :57C4909.' C7A.2' 89D' 89' 085' 75' 289D"0' "4F0' 7A5' C7D059' 0<056' 89D' 49' 4.' <86' :A.' .20' <490' 75' 7.204' "4SA756' D0D4=8.0D' .7' "4;8.4796*1' A' 27A"' M:# > HM' 7;605?06' .28.' 4.' <86' B090E' 58 @ =8554D' 49' 50"4B47A6' :57=0664796' ;@' 790' 73' .20' 68=5434=48"' C4946.056*

4F0' .20' ' .206' + $ ' <050' 8C79B6.' .20' 68=05D7.8"' 4964B948' 89D' 8".27AB2' .20' 375C05' <86' .20' :549=4:8"' 6@C;7"' 73' .20' 8AB95' @0.' 79' =7496' 73' :79.4336' ;7.2' 850' :57G C46=A7A6"@' 0I24;4.0D*1 00' # $ # # #* "# $ ' % 1 20

K *

:50.75489' B8""0@' <4.2' 684"6 60.* 1 9' .20' 50?0560' 73' 8' 3456.' ;5866' =749 ' 28?49B' 79' 4.6' 7 ;?0560' .2500' 208D6' 8664B90D' .7' # 9.79@ ' =.8?48 ' 89D' ABA6.A6*E 00' F I5' F 8 ' ' :# , ' <2050' .20' C0D8"# 46' 09B58?0D' 89D' 0I :"8490D# 8?05=8C :' 49' I ' ' B4?06' 8' 64C4"85' .@ : 0' <4.2' .246' " 9 D ' ;A.' 904.205' =F20"' 47990.' 75' F05C89 ' C8F06' 89@' 8""96479' .7' 4.*

1 20'50<85D6'75' :54\06'73'B"8D48.756' 89D' <506."056' M8.2"0.60N' <050' :8"C6 ' C790@' 89D' <89D6# 20@' <050' :"8=0D' ;03750' .20' 0@06'73' .20' =79.09D49B' :85.406' 49' .20' C4D6.' 73' .20' =78560' 75' .20' 85098# M 84""89.' 79' ' ' ' :# >, *N 1 20' :54\06' D46.54 ;A.0D' .7' .20' ?4=.756' 49' .20' ?8547A6' :A ;"4=' B8C06' 73' .20' &500F6' 89D' 7C896' <050' D46.49BA4620D' ;@' 9AC054=8# C85F6 ' 7C' 790' .7' .2500' 89D' 0?09' 37A5*

' 8' =0"0 ;58.0D' =4.@' 73' ' 8 ;7A.' .09' C4"06' 357C' #7C0 ' <2050' .20' 4=.8.75' @""8' :"89.0D' 8' #7C89# =7"79@' 97<' =8""0D' 8"06.5498*

' F ' 86' 43' 73' 67C0' 64 ;@# 75' :57 :20.066* 1 00' # '38C4"@* 1 F

1 20'3456.'98C0' 73' .20' .2500 ' ;@' <24=2' 08=2' #7C89' =4.4\09' <86' =8""0D' .77F' 4.6' :"8=0' ;03750' .20' ' 75' 38C4"@' 98C0 ' 375' .20' 68F0' 73' D46.49=.479 ' .28.' .20@' C4B2.' ;0' F97<9' 357C' 7.2056' <27' <050' 73' .20' 68C0' 24B2' 89D' 2797A58 ;"0' 58=0# 3' .2060' :50E 97C498' 67C0' 850' D054?0D' 357C' .20' #7C89' :07 :"0 ' 7.2056' C750' 350SA09."@' 357C' 904B2G ;7A549B' 98.4796*

' 375' .20' 68F0' 73' ;50?4.@ ' <050' 8==A6.7C0D' .7' ;0' <54..09 ' 67C0' <4.2' 8' 649B"0' "0..05'79"@ ' 7.2056' <4.2' .<7 ' 7.2056' <4.2' .2500' "0..056* 1 2A6' .20' 37 7<49 850' D064B98.0D' 79' =7496 ;@' 790"0..05'79"@/1 # :' # ' :' # ' :' # :' ' # :' # :' # :' # :' # :' %# 75' :' # :' # :' # :' # F :' / :' # E ' 9' "4F0' C89905 ' <4.2' .<7' "0..056 ' # ++ :' # ' :' # 1+ ' M8==75D49B' .7' 4B794A6N ' # F+ :' ' E ' 86."@' <4.2' .2500' "0..056 ' 86' # :' # :' #' F :' +' F :'

28.'49' .20'085"406.' .4C06'73'#7C0 ' + ' 7==A:40D' .20' :"8=0' 73' 8' + ' .2050' 850' 693"4=409.' 0I8C :"06' .7' ;0' 37A9D ' 86' <0""# 79' =7496' 86' 49' 89=409.' 8A.2756# 246'46' 8 ;A9D89."@' 620<9' 49' .20' 496.89=06' 73' .20' ' 49B6' ' ' F 1 9' "4F0' C89905' .20' 68C0' A68B0' :50?84"6' 8C79B' .20' #7C89' 38C4"406' <24=2' 375' .20' C76.' :85.' <89.' .20' 1 ^ :89204C' # ' 44* ' :# >H ' 4 *Q

' 850' 67C0.4C06' + ' .7' 790' 38C4"@' 75' 58=0# 2050' 850' 0I.89.' ' 73' .20' 7C4.48' 38C4"@' <24=2' 627<' .246# 9D' :85.4=AG "85"@' 49' .2760' 73' .20' 2097 ;85 ;4' 79' <24=2' 97' 7.205' .289' 75' ' + ' "986A6'46'508D' :7.205<460' .20'=7CC79'98C0' 73' ' 86' ;0"79BG 49B' .7' .20' =.8?48' 38C4"@# 20' + ' 73' ' 46' :0=A"485' .7' .20' !) ' 38C4"@# '46' .20' 3456.' 98C0' 73' .20' ' C4"@' 89D' .20' 98C0' 46' "4F0<460' B4?09' 79' =7496' 73' .20' '38C4"@*

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' 73' 38.2056' 89D' B589D38.2056' 850' 75D49854"@' 50.8490D' 86' # ' * * * # .20' 679' 73' <24=2' .54AC?45' ;@' A"?48 ' ' 46' 49' "4F0' C89905' 98C0D' 79' 8' =749' 73' F I ' # ' # # 9' 7.205' D09854' .20' 68C0' :5r97C498' 73' :8509.6' 89D' 89=06.756' 7==A5' 0*B# # ' # # # * ' 89D' 67' "4F0<460' # % " ' * * * * 1 # # # # # # # * 1 ' # # # # # # * 1 # # # # # # * 1 # # # # # # * 1 # # # # # # * ' 89D' 7.2056' 64C4"85' .7' .2060* 1 9' 38=.' <0' "0859' 357C' =7496' .28.' .20' :5r97C09' 73' 8' B508.' B589D38.205' :86606' D7<9' .7' 8' B508.' B589D=24"D' 86' 49' .20' =860' 73' # # # # # # # # # ' '# + ' 9' "4F0' C89905' # # * * * * * # 0:75* 20' # ' ;0"79B49B' .7' 67C0' 38C4"406' .20' ' ;049B' 7C4..0D' 850' A60D' $' ' ' 86' 8:: 4?8' 79' C0D8"6' 73' .20' "8AD48' 38C4"@' 89D' $! ' 79' .2760' 73' .20' A":4=48' 38C4"@* 1 00' F ' 89D?' '

75' # * 1 00' "7?4' %3 ' =*

' 7'.20' 8.579'75' 5064G D09.* 1 "7?4' # 46* 1 # ' 75' &7?059756' 73' .20' 57?49=06' 73' .20' #7C89' :07 :"0' <050' =8 0D' # ' ;A.' 5064D09.6' 73' .20' 57?49=06' 73' 9BA6.A6' <050' D46.49BC620D' ;@' .20'8: :0""8.479' 73' ' 'M 40A.0989.6' 73' .20' C :0575N ' 75' '# ' # ' 75' ;7.2' .2760' .4."06' =79 7490D' ' ' # ' # 1 9' :57=066' 73' .4C0' .20' 98C0' 73' # ' 75' 5064D09. ' <86' B4?09' 49D00D' .7' .2760' <27' 8DC4946.050D' :A ;"4=' 8338456' 0?09'49' .20' C4975' :57?49=06' 73' .20' 0C :450' ' .209=0' 4.' =8C0' .7' 866' .28.' :57?49=06' <050' D4?4D0D' 49.}' :57=796A"85' 89D' :5C.75489' 89D' 0?09' 49.7' :5m64D48"* #) ' # 1 <7' 67"D4056' 85C0D' <4.2' 6:0856' 6.89D' <4.2' ;89D6' 7490D' 6A : :75.49B' 8' 34BA50' 73' 4=.75@' ' ;0.<009' .20C' 46' 8' =8 :.4?0' 79' 246' F9006* 1 9' .20' 50?0560' 73' 2' .245D' ;5866' 73' 796.89.496' 2"75A6*

=F20"' 7C' <2760' =8.8"7BA0' 73' .20' 40998' =8 ;490.' .20' 8 ;7?0' 46' SA7.0D' 68@6 1 T' 246' 0:4G B58:2' 286' 24.205.7' ;009' A9F97<9# .' 49D4=8.06' ^49' =79 A9=.479' <4.2' .20' .@:00' ="085"@' 097AB2' .28.' .20' D0309=0' 73' .20' =7CC79<08".2' <86' =79G 34D0D' .7' .20' ?8"7A5' 73' .20' 67"D4056*U # ' 1 20' 0I=0""09=0' 73' 9A"246C8.4=6*

5W375EE 5 (75 j z* 1 # ' # 75=# 9' 8' =749' 73' # B54 : :8* 1 # ' # # # 8=* 1 00' ' ' # # # ' 75' # 1 ' # # # # # # 89D' # # # # ' # # # # # "' ; ' # ' + ' + ' + '$ % # 1 E' "79B' <24.0' 57 ;0' ;75D050D' <4.2' :A5 :"0 ' 89D' CA=2' 5060C ;"49B' .20' .7B8# .' <86' <759' ;@' 97 ;"0C09L6=24"D509' ' .28.' 46' .7' 68@ ;@' ;7@6' 357C' .20' .4C0' 73' .2045' 09.0549B' .20' 8B0' 73' 8D7"06=09=0' .7' .2045' 866AC :.479' 73' .20' C89"@' B7<9'/ 89D' ;@' B45"6' .4"'# .20@' <050' C85540D# .' <86' 8"67' A60D' ;@' mD4"06' =096756' .54 ;A906' 73' .20' :07 :"0' 89D' 0?09' ; ' =796A"6' 89D' D4=.8.756' 79

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=05.849' 7==864796' 73' =050C79@.' <209' 4.' <86' "4F0<460' <759' ;@'.20' :5406.6' 89D' 89B956*

1 246' <86' 8'.4."0' <24=2'.20'#7C896' 4CC0D48.0"@' 83.05'.20' 0I:A"6479' 73'.20' F49B6' =7930550D' 79'.20' =796A"' 89D' 7.205' B508.' C8B466 .58.06' <27' 49'.20'"8<' .20' 85C@' 89D' 8C79B6.' .20' :07:"0' "+9 7'.77F'.20' "08D' 75' <27' <050' 8: :749.0D'.7' 89@' 7334=0' 73' D4B94.@' <20.205' 375'.249B6' 68=50D' 75' :573890"' A.' 49'.20' @085' 73' #7C0' H ' 8' C8B46.58.0' <86' =508.0D'.7' <27C'.246' 98C0' <86' .209=0375<85D' 0I="A64?0"@' 8: :57:548.0D" <7' =8A606' "0D'.7' 246' 496.4.A.479" 20' 3456.' <86' .7' 8;8.0'.20' D46=79.09.' 73'.20' 8.54=4896' <4.2'.20'"8<' <24=2' 28D' 509D050D'.20' "0;04896' 0"4B4;"0'.7'.20' =796A"624:' 20'60=79D' <86'.7' :57?4D0' 67C0' =7C:0.09.' :05679' 86' :50G 64D09.' 8.'.20'.54;A98"6' DA549B'.20'.77' 350S909.' 8;609=06' 73'.20' =796A"6' 79' <85"4F0'0I:0D4.4796" .' 3456.' 79"@' 790' # ' <86'0"0=.0D';A.' 79' 8==7A9.' 73'.20' 9AC057A6' 6.589B056' <27C' ;A64G 9066' 73' 0?05@' F49D' D50<' .7' #7C0' 8' 60=79D' <86' 8: :749.0D' <2760' 3A9=.4796' <050' 67"0"@' =793490D' .7'.20' 8DC4946.58.479' 73' A6.4=0' 89D'.246' 7334=05 <86' =8""0D' # ' # ' .7' D46.49BA462' 24C' 357C'.20' 375C05' <27' <86' =8""0D' # ' T-) ' 9' 75' :;7A.'.20' @085' [>' .<7' :560.756' <050' =27609' .7' B7?059' .20' 50=09."@' =79SA050D' :57?49=06' 73' 4=4"@' 89D' 85D4948' 49' .20' 98C0' 73'.20' 50:A;"4=" 9D'.20' 68C0' @085' 64I' :90.756' <050' =508.0D'.7' B7?059' 6A;AB8.0D' :849" .' <86'.2A6'.28.' 86' #7C0' 0I.09D0D' 205' =79SA06.6' ;0@79D' .8"@' 620' 8ABC09.0D' .20' 9AC;05' 73' 205' C8B46.58.06' .7' 54D0' 7?05' 205' .0554.7548"' 8BB589D460C09.6' 89D' .2060' <050' =8""0D' # ' # 1 60685' =796.4G .A.0D'.09' 90.756' 496.08D' 73'.20' 04B2.' <27' 28D' =79.49A0D'.7' :5064D0' 357C'.20'.4C0' 73' @""8* 20' 560.C' <050' D097C498.0D' T 7""08BA06' 73'.20' 796A"689D'.20' 2797A5' 73'.20' 306=06' <86' 0I.09D0D'.7'.20C' 8"67' ;A.' <4.2' 8' "066' 9AC;05' 73="4=.756'.289' 8..09D0D'.20' =796A"6" 2060' C8B46.58.06' <750'.20' 7 ':' 89D' 08=2' .77F' 246' 608.' 79' 2' =A5A"0' =2845' :"8=0D' 79' 89' 0"0?8.0D'.54;A98"" '.20':90.756' 83.05' 28?49B' 0I05=460D'.2045' 3A9=.4796' 8.' #7C0' 375' 2' <27"0' @085' <050' 609.'.7' B7?059'.2045' 506:0=.4?0' :57G ?49=06" M :89204C', *N' 20' DA.406' 73'.2060' C8B46.58.06' <050' :549=4:8""@'.7' 8DC4946.05' A6G .4=0'.7'.20' =4.4\096' 89D'.7' 6.589B056' .7' :5064D0' 8.'.20':A;"4=' B8C06' 89D'.7' 6A:0549.09D'.20' 68=5434=06" KA546D4=.479' 8::05.849D' 86' <0""' .7' .20' :57?49=48" 86'.7'.20' A5;89' :560.756" 20' B7?059C09.8" :7<056' 73'.20' :560.75624:' 49'.20' :57549=06' 0C;58=0D'.20' 54B2.' 73' :A946249B' =54C498"6" 04.205' DA549B'.20' 50:A;"4=' 975' 0?09' A9D05'.20' 0C:05756' <050'.20' :506.756' 49?06.0D' <4.2'.20' 7 ' '49' #7C0' 4.60"3* 1' 9D05' 9B96.A6'.20' :90.756' D46=285B0D'.20' DA.406' 73' :5030=.6' 73'.20' =4.@' 83.05<85D6'.20' 7334=48" 0C:"7@C09.6' 73'.20' :40=.756' <050'.5896G 30550D'.7'.20' A5;89' :56030=.6* # ') 1 20HB7?059C09.' 73'.20' =4.@' 86' 8;7?0' 7;605?0D' <86' 49'.20' 3456.' 496.8900' 09.5A6.0D'.7' 2' 649B"0' C8B46.58.0' =8""0D' 64C:"@' # :' ;A.'.20' 4CC0960' 49=50860' 73' :A;"4=' ;A64A066' 49' #7C0' 6A;60SA09."@' "0D'.7'.20' 8:: 749.C09.' 73' 2' =7""08B40' 375' 24C' 99D05'.20' 98C0' 73' # ' # 1 20 8A.2754.@' 73' .20' # ' 8) ' <86' B508.' 49' #7C0' =7CG :850D' <4.2'.28.' 73' 8"" .20' 7.205' :5.0.756' <27' <050' 73' "8.05' =508.479" 064D06' 6A6.84949B' .20' =796A"85' 3A9=.4796' DA549B' .20' 8;609=0' 73'.20' =796A"6' .20C60"?06' 8' :54?4"0B0' <24=2' .20@' 67C0.4C06' <050' 8""7<0D'.7' 0I05=460' A9D05' .20' 0C:05756' .20' # ') ' :05G 375C0D'.20' 7334=0' 73' 49.57D9049B' 8C;8668D756' 357C'.20' 8""406' 73' #7C0'.7'.20' 6098.0' 89D' 73' 50:"@49B'.7'.2760' 8C;8668D756' 49'.20' 98C0' 73' .28.' 4""A6.547A6' 8660C;"@' .20@' 2085D' 89D' D0.05G C490D' 79' C8..056' 73' :0.4.479' <209'.20' =796A"6' <050' 97.':50609.' 89D' A9D05' 2?F0' =45=AC6.89=06' .246' :580.75') ' ' ' :A.';46' 98C0'.7' 0:46."06' 89D' 0D4=.6" 246' D4B94.@' <86' 0I:506 30D' 79'.20' :A;"4=' C790@*1 20' # ' 8) ' 28D'.20' =850' 73'.20' B8C06' =0"0;58.0D' 49' 2797A5' 73' :7""7' 79' <24=2' 7==86479' ="7.20D' 49'.20'.54AC:2 ';57;0' 20' <86' =85540D' 57A9D'.20' =45=A6' "+ ' ½' 49' 8' SA8D54B8 1 8' C85F' 73' D46.49=.479' <24=2' <86' 83.05<85D6' D0940D' ;@' ABA6.A6'.7'.20'.54;A906' 73'.20':07:"0'8".27AB2' .20@' 28D' 733050D'.7' 0I24;4.'.2060' 620<6'.7'.20' :A;"4=' 8.'.2045' 7<9' 0I:0960" 0' 8"67' 28D'.20' C898B0C09.' 73'.20' ' 75' <4"D';086.' 2A9.49B' 89D'.20' 6:0=.8="06' 49' <24=2' 5850' 37504B9' 894C8"6' <050' D46:"8@0D" 20' ' 75' 0I.5875D4985@' B8C06' "4F0<460' D0?7"?0D' 79'.20' 586.75' 5;89A6'.7'=79DA=.' 8AD' 8.' "09B.2' .20' <27"0' 73'.20' ?8547A6' 306.8"' =0"0;58.4796' 30""' A9D05'.20' 6A:0549.09D09=0' 73'.28.' C8B46.58.0" 20' 98C0' 89D?734' 70' 50C8490D' 49' A60' D7<9'.7' 2' "8.05':0547D' 73'.20' 0C:450' 89D' 0?09' 49' 79G 6.89.497:"0'.2050' <050' 60?058" :5.0.756' <2760' 3A9=.4796' <050' 06:0=48""@' =7990=.0D' <4.2'.20' :A;"4=' B8C06" :89204C' 5' 44" :" ,>' 04' 0 1 20 5;8S' 90.756' D4D' 97.' 6.54F0' C790@* # ' # ' 67' =8""0D';0=8A60' 20' 8DC4946.050D'.20' "8<'.7' 37504B9056' 8.' #7C0' 375' 86'.20' 6.8.0' 49=50860D' C89@' 98.4?06' 73' 37504B9' =7A9.5406' 6A;0=.'.7'.20':7<05' 73'.20' #7C896' =8C0'.7' 5064D0' 8.' 75'.7' ?464.'.20' T'0.0598"' =4.@*U # 1 ' 34BA50' 50:50609.49B'.246' 24B2' 7334=05' 73'.20' 50:A;"4=' 8::0856' 79' =7496' 73'.20' # ' 38C4"@' 6.89349B' 49'.20'.7B8' <4.2' 54B2.';89D' 9:43.0D';0.<009'.20' "0B47985@' 08B"0' 89D'.20' 386=06' <4.2' 8I0* # #" # " ' ' + 1 20' C:0575' 49'.20'.7B8' 89D' A:6.89DG 49B' B4?06' 246' 54B2.';8AD'.7' 790' 73'.20' 580.75489' 67"D4056' M75' 4C:0548"';7D@EBA85DN' <27';7"D6' 49' 246' "03.' 289D'.20' 08B"0' 73'.20' #7C89' "0B4796" 9' 64"?05' 73' "8AD4A6* 246' 46'.20' 60=79D' 73'.<7' C0D8"6';7.2' 73' .2'0C'4""A6.547A6'86'=79345C8.75@'73'246.754=8"38=.6' .20' 3456.'496=54;0D' # 3750' # 7' M600' :" '73'.246' 4=.47985@N'620<49B'.20'C89905'49' <24=2' "8AD4A6' <86':50609.0D'.7'.20' BA85D' <27' 8=F97<"0DB0D' 24C' 375' C:0575' 89D':"8=0D' 24C' A9D05'.2045':57.0=.479" 20':50609.' D09854A6' 286' 375' 4.6' 6A;0=.'.20':8.5798B0' 89D' 38?7A5' <24=2'.20' 68C0' C:0575' B589.0D' 49' 246'.A59'.7' .20' 5.0.754896' 79'.20' 7==86479' 73'.2045'.8F49B' .20' 78.2' 73' 34D0"4.@'.7' 24C* 1 20' T' 560.754896' 50=04?0D' M.28.' 46'.7' 68@' 50=04?0D' 49.7' 8""00

[>* # *1 # *

' +' ' -T (# ' # '

' ') 1 <7 34BA50Ó 73'

3' 8..8=2' 8' 6240"D' .7' 8' :8"C ' 79' <24=2'

40' 496=54;0D' ?75*' G' % ! ' "9! ' # '

%' 9' .20' 50?0560' 73' 8' B7"D' =749' 73'

47="0.489* 1 9' 8' C0D8"' 73' 8"* 844C489AO'

.20' 68CO' "0B09D' 8: :0856 ' 2A.' 8' 649B"0' 34BA50' 73'

4=.75@' 496=54;06' ?7*' GG ' 79' .20' 6240"D*

9' .20' 7<05' C :450 ' 86' 286' ;009' 8"508D@'

7;605?0D' 99D05' .20 y 08D' 73' # * ! ' 7 2 4 2 2 '

.2060' ?7.4?0' "0B09D6' 850' =79.49A8""@ 50=A5549B' '

.20' ?7<6' .20C60"?06' ;049B' =85540D' 375<85D' 0?09'

;0@79D' .20' .05C* 246' 46' 0I :50660OD' ;@' .20'

<75D' ':' 375' 496.89=0 ' ?7.46' G ' CA".46' GG '

75' ;@' .20' <75D' ' ' 375' 018C :"0 ' 64=' G ' 64=*' GG

9' 0:4B58 :26' 73' .246' F49D ' 4C85D ' 49' 246'

' ' -) ' 50C85F6' .28.' T 8C79B' .2760'

C0DF"6 ' 79' <24=2' 8""A6479' 46' C8D0' .7' '

' 89D' ' .2050' 850' 6=85=0"@'

89@ C750' =A547A6' .289' .2760' 73' 47="0.489' 89D' 73'

8I4C489' 246' =7""08BA0 ' <24=2' 28?0' 375' .2045'

"0B09D' # 4 446' G ' o ! ' 6 6 1 89DA54' 286'

SA7.0D' .<7' 73' .2060' C0D8"6 ' ;A.' .2050' <050'

C750' .289' .245.@' ?8540.406' 49' .20' =8;490.' 73'

.20' ; ; t' D0' #7.20"49 ' 7C0' ;085' .20' .@ : 0' 73'

KA : 4.05' 6.89D49B' ' 7.2 : 56' 7.' 05=A"06' 8"67' 6.89DG

49B* ' 4=.75@' 608.0D' 46' 6009' 79' 60?058" ' 27"DG

49B' <4.2' .20' "0c' 289D' 8' ;A=F"05' 506.49B' 79' 205'

F900 ' 89D' <4.2' 205' 54B2.' 289D' 496=54;49B' 79' .246'

;A=F"05 ' ! ' 6 ' 75' ?7I' G ' .2056 ' "86."@ '

50 : 50609.' .<7' 4=.75406 ' <27' 6A6.849' 8' ;A=F"05 '

79' <24=2' <0' 508D' 27 * G ' # o ' 89D' 67C0.4C06'

?7I*' +*' + + +*' 2060' C0D8"6' 850' 67' CA=2' .20'

C750' 50C85F8;"0 ' 86' .20' ?7<6' 375C' .20' "0B09D'

89D' 97.' .20' 496=54: .479 ' 89D' 86' .20@' 850' 50G

: 08.0D' 79' .2760' <2050' <0' 8B849' 508D' .20C' 49'

.20' ;A=F"05*

' + +*' " ' & A : 4.05'

34..49B ' <4.2' .2A9D05;7".' 89D' ' 246' "0B09D'

89D' .@ : 0' 8 : : 085' 79' 8' ?05@' 5850' B7"D' =749' 73'

47="0989 ' <27' =0"0;58.0D' .20' ' '

.20' .<09.40.2' @085' 73' 246' 504B9' ;049B' ;009' =7CG

: "0.0D' * *' H H* 1 89DA54' 89D' 8 "89.*

' * 1 2K' 49389.' 05=A"06'

6.589B"49B' .<7' 605 : 09.6*' 9' 2' 37A5.2' ;5866' 73'

&8"*' 8I4C489A6*' 246' 3490' 89D' 50C85F8;"0'

"4..'0' =749 ' 49' .20' C : 0548"' 8;490.' 8.' 40998 '

<86' 3456.' 97.4=0D' ;@' =F20"' 49' 246' F3 ' '

' ' 9D' .20' 68CO' B508.' 9AC46C8.46.' 49'

246' # ' ' ' .2A6' 0I : "8496' .20' 0 : 4B58 : 2' I

T <7' C7D06' M20' 7;605?06N' 6ABB06.' .20C60"?06*'

.' 46' =8""0D' # ' 4==' 86' 79' =7496' 73'

* 0?059O' <0' 508D' ' ' 75' 4.'

46' # *' =47 ' 375' 79' =7496' 73' .28.' ?05@'

8B0 ' ?4*' .28.' 73' 47="0.489' 89D' 8I4C49489'

05=A"06 ' <0' 349D' 4.' <54..09' *' *'

<24=2' C8@' 20' 20"D' =05.849"@' .7' C089' .7'

4=4*

* 1 2760' <27' <050' .20' 3456.' "+ %'

.7' D7' 89@' : 85.4=A"85' .249B' 73' : A;"4=' 4C : 75.89=0'

75' <27' ;750' 89@' 7334=0' 3456.' <050' 97.0D' ;@'

<54.056' 8==75D49B"@' 89D' . ' C0C75@' 73' .20'

0?09.' 6.5A=F' 79' =7496 ' 86 *' # ' # WO'

*' ' 64C4"85' 496.89=0' 46' 508D' 79' 8'

D09854A6' 73' .20' ! '38C4"@' 600' # *' *'

75' / ' ' '# '- - 1 9'

7.205' =7496' .20' <75D' + ' 7==A56/ +*

*

' #' *' *' *' *' *' F ' '

' ' ' # '$ ' 20'

560.75' 0I.A6' 794A6' <86' .20' $ ' <27' =0"0G

;58.0D' .20' 7.4?0' &8C06 ' 89D' *' # *'

*' P' # *' # *' ' 'F '

' ! ' ! '# :' .28.' 46' .7' 68@'

20'$ '496.4.A.0D' .20' ! '4

*' # + (#6 ' *'

' 8' 9' 8' .245D' ;5866' 73' 8I4CA6' 60685

*' # + (8 F' ' E

' # *' 3 ' x * 1 *' *'

' & ' *' *' *' # *'

*' ' ' ' ' ' '

! ' '< '# '# + '-

' 54 (4 : 4 1 ' # *' 9'

=7496' 73' 58 89* 1 ' ' '

' 9' 8' =749' 73' 796.89.496' ;"7596

*' # + ' # + ' # + '

+ (#6 i ' ' *' 75' *' 75'

*' 75' *' 75' 8.' 34D*' "09B.2'

*' # + '-

+ ' ' <86' 8' 98C0' 73' D4B94.@'

0?09' 49' .20' C76.' 3"79546249B' D8@6' 73' .20' 50G

: A;"4=* .' <86' 89' 2797585@' 8 : : 0""8.479' B4?09'

.7' 24C' <27' .77F' .20' "08D' 73' .20' B508.05' 89D'

"0660S';7@6 8 : : 749.0D' .7' : 05375C' 8' : 85.' 49' .20'

B8CO' 73' 57@' " ' ' 7 % ' '+ '

$' ' 3 ' <86 ' 49' .20' 085205' .4C06 ' .20'

D4403' 73' .20' SA06.5489' 5D05*' 9D05' .20'

0C : 450 ' 89D' 357C' .20' ?05@' =7CC09=0C09.'

73' .28.' C7985=24=8*' 375C' 73' B7?059C09. ' .246'

.4."0 ' 8".27AB2' 64C : "@' 2797585@' 8 : : 0856' .7' 28?0'

;009' B4?09 ' 80' 89' 8 : 898B0 ' .7' 6A=2' @7A9B'

: 549=06' 73' .20' 4C : 0548"' 38C4"@' 86' <050' D06.490D'

.7' 504B9 ' 89D' <86' 67C0.4C06' =7930550D' 79'

.20C' 8.' 8' ?05@' t25"@' 8B0*' 20' D4B94.@' 49'

=05.849' 496.89=06' 8==7C : 8940D' .28.' 73' ' '

.' 46' 8' C85F' 7 ' D46.49=.479' 73' <24=2' .20'

C0C7548"' 46' 37A9D' : 05 : 0.A8.0D ' 04.205' D450=."@'

75' 49D450=."@' 79' .20' C0D8"6' D0D4=8.0D' .7' .2060'

@7A.23A*' 20456' 73' .20' .25790*' 7C0.4C06 ' 86' 49'

.20' =860' 73' ' ' 89D' ' 6796' 73' *'

B54 : : 8 ' 8D7 : .0D' ;@' 9BA6.96 ' .<7' : 549=06'

<050' 2797A50D' .7B0.205' <4.2' .246' .4."0*' 20'

.@ : 06' <24=2' ;085' 5030509=0' .7' 4.' : 50609.' .7' 96'

A6A8""@' 99D05' .20' 3456.' 504B96 ' 27560C09 ' <4.2'

6 : 0856 ' 86' 49' 057' 89D' 5A686 ' 4.A6 ' 7C4.489

^ 456.' ;5866' 73' &0.8*Q

89D' &0.8*' A.' 83.05' &0.8 ' .20' # + '

- ' <86' 97' "79B05' 50 : 50609.0D' ;@' 89'

0SA06.5489' 34BA50 ' ;A.' 8 : : 0850D' 79' 377.' 49' 8'

9A"4.85@' 28;4.' 04.205' ;@' .20' 64D0' 73'.<7' 0964B96 '

89D' 27"D49B' .20' 286.8' : A58' 89D' 8' 6275.' <89D ' 86

*

49' "0I# 0?0596 89D' 8I4CA6 ' 75' 27"D49B' 8' B"7 ;0' 49' "03.' ; 89D' 89D' 8' 8?0"49' 49' . ;0' 54B2. ' 86' 49' &75D489A6' 496' 89D' ;4"4: : A6' 99*' 75' . ;0' :549=0' 6.89D49B ' 49' 8' C4"4.85 ' ;8 ;4. ' ;7"D49B' 8' 6=0 : .50 ' <4.2' .2500' 6.89D85D6 ' 86' 79' 3456.' ; 5866' 73' 48DAC09489A6 ' 73' <24=2' 89' 018C : "0' 46' 2050

B4?09# 2050' 850' 60?058# 6"4B2.' ?8540.406' 73' .246' =749 ' 49' <24=2' 48DAC04A8996' 27"D6' 8"67' 8' 8?0"49 ' 75' .20' 286.8' : A58' 49' .20' 54B2.' 289D ' 8' B"7 ;0' 49' .20' "03. ' 86' 49' .20' @7A9B05 24"4 :' 89D' AC0548996 ' 89D' <4.2' 8' =8 : .4?0' 8.' 246' 300. ' 86' 79' 8' 5850' C0D8""479' 73' 8"7949A6'ą 75' 27"D49B' 8' C4"4.85@' 6.89D85D'49' .20'54B2.' 89D' 8'6 : 085' 50?0560D' 49' .20' "03.' 289D ' 75' <4.2') ' 89D' 8?0 9 ' 75' 286.8' : A58 ' 86' 49' 05099496' 89D' AC0548996 ' 75' 27"D49B' 8' C4"4.85@' 0964B9' 49' .20' 54B2.' 89D' .20' 286.8' 49' .20' "03.' 289D ' 9085' .7' <24=2' 8' 68=50D' 6.89D85D' 46' 67C0.4C06' : "89.0D ' 86' 49' 76.4"489A6' "86."@ ' .20' 340SA09."@' 50=A5549B' "0B09D' 73' (# 8==7C : 89406' .20' A996A8# 89D' 6=85=0"@' 8 : : 57 : 448.0' .@ : 0' 73' 8' 5' 608.0D ' 27"D49B' 89' 7"4?0' ;589=2' 49' 205' 54B2.' 289D ' 89D' 506.49B' 205' "03.' 85C' 79' .20' 28=F' 73' .20'.2845 ' 86' 46' 6009' 79' .20' =7496' 73' 05099496' 89D' 76.4 8996' 8"790* 9' 8' 64"'?05' =749' 73' 8"7949A6 ' 679' 73' &8""409A6 ' <0'349D' .20' "0B09D' 73' 6 8==7C : 89@49B' . ;0' .@ : 0' 73' 8' C4"4.85@' 34BA50' MO?4D09."@' 49.09D0D' 375' .28.' 73' .20' @7A9B' : 549=0N ' 6.89D49B ' 97. ' 27<0'?05' M86' 46' =7CC79"@' .20' =860' 79' =7496' 73' .20' 7<05' C : 450N ' 27"D49B' 8' C4"4.85@' 6.89D85D ' ; 9.' <4.2' 6 : 085' 89D' ; A=F"05' 49' 246' "03.' 289D ' 89D' =57<949B' 8' .57 : 2@' <4.2' 246' 54B2.* 1 ' ' =749' 73' '7 627<6' .20' + $' ' 3 ' 27"D49B' 8B' 7"4?0' ;589=2 ' 89D' .20

(# + '- ' 1 9' 8' ?05@' 5850' 64"?05' =749 ' ;08549B' 79' 4.6' 7 ; ?0560' .20' 98F0D' 208D' 73' 4 496.96 ' 89D' 79' .20' 50?0560' .<7' 27560C09' B8""7 : 49B ' .246' "0B09D' 8 : : 0856 ' <4.2' .20' "0..056' 7# # " ' -' 8.' .20' ; 7..7C# 20'375C05'50=04?0D' .20' 2797A56' <209' 20' <86' , ' M?# =# aN ' .20' "8..05' <209' 20' <86' , [' @0856' 7"D' M?*=# [N# 75' .20' 0C : 0575' 8 ; 7?0E98C0D' 28?49B' D06.490D' .2060' 6796' 73' B54 : : 8' M<27C' 20' 28D' 8D7 : .0DN' .7' ;0' 246' 6A=G =0667' 56' 49' .200' 0C : 450 ' 4.' ; 0=8C0' .20' D0"4B2.' 73' .20' SA06.5489' 5D05' .7' =8""# .20C' # + ' - ' " ' ' 3+ %' <050' .20' 4964B948' 73' .20' 549=06' 73' .20' 7A.2/ 600' 8' D09854A6' 73' ABA6.A6 ' 79' .20' 50?0560' 73' <24=2' .20' .<7' 806856 ' ' 89D' 850' 6.89D49B ' ?04"0D' 89D' .7B8.0D ' 08=2' 27"D49B' .20' 8 ; 7?0E98C0D' D06=54 : .479' 73' 85C6*

*1 * H

*' *1 <7'54B2.' 289D6' 7490D ' 27"D' 8' C4"4.85@' 0964B9 ' 3410D' 49.7' 8' 624 : L6' : 57<*1 0=79D' ;5866' 73' 7CC7DA6# 246' =749' 79' 4.6' 7 ; ?0560' ; 0856' .20' @799B' 208D' 73' 7CC7DA6 ' 89D' .20' 496=54 : .479' *' &# *' & # *' # = # .6' D8.0' 46' 8664B90D' .7' .20' @085' aH ' = , N ' <209' .20' .4."0' 73' # ' 89D' .20' D4B94.@' 73' .20' 54 ; A94.479' 7<05' M #* *N' ; 0B89' .7' ;0' 8DD0D' .7' .28.' 73' #' &# *' J=*' <24=2' 28D' : 50?47A6' .7' .28.' : 0547D' 8 : : 0850D' 79' .20' =7496' 73' .28.' 0C : 0575# .' <86' 8 ; 7A.' .20' 68C0' .4C0' .28.' 20' .77F' 546 : 498' .7' <430* 1 20' C08949B' 73' 8' .@ : 0' 67' A996A8#' 86' 89' 8==7C : 894C09.' .7' .20' "0B09D' 46' 97.' 0I : "8490D' ; @' =F20"' .257AB2' 20' SA7.06' .20' =749' 357C' .20' 40998' =8 ; 490.*

20' .4."0' 73' 549=0 : 6' KA?09.A.46 ' <24=2' 8.' .20' ; 89949B' <86' 8==A6.7C0D' .7' ;0' ; 06.7<0D' 79"@' 79' .20' @7A9B' : 549=06' <27' <050' 86' @0.' 79"@' 606856 ' 89D' 79' 8=.A8""@' 8 : : 749.0D' 6A==066756 ' <86' 8.' 8"'8.05' : 0547D' 8==0 : .0D' 0?09' ; @' .20' ABA6.4 .20C60"?06# T' 7"A6489 U' 68@6 4C85D ' T' 46 ' ; 0"40?0 ' . ; 0' 3456.' 79' <2760' C0D8"6' # + ' - ' 8 : : 0856 ' 79' .20' 50?0560' 73' 8' 208D' <24=2' 286' 49' .20' "0B09D' .20' .4."0' 73' + :' ; A.' 49' .20' "7<05' 0C : 450' 8' .27A689D' 018C : "06' 73' 4.' 850' 37A9D*U

' # ' # *1 856' 20"C0.0D ' <8"F49B ' <4.2' 6 : 085' 49' 54B2.' 289D' 89D' .57 : 2@' 79' 246' "03.' 627A"D05* 1 9' 8' ' =749' 73' 8109.4..6*

' D0D4=8.479' .7' ' 86' .20' # ' 73' .20' #7C89' C : 450 ' <86' 8' 90<' .4."0' 375' .2045' &7D' 73' (85 ' =508.0D' ; @' .20' 9B09A4.@' 73' 8109.4A6 ' <27' 28D' 8"508D@' 496=54 ; 0D' 790' 73' 246' 64"?05' =7496' .7' '# + ' +

' *1 546 : 96 334685' 49' 8' C4"4.85@' 28 ; 4. ' 6.89D49B' <4.2' 6 : 085' 89D' 6240"D# 9' 8' .245D' ; 5866# 7' C89@' =7496' 73' 546 : 96' <4.2' .246' 496=54 : .479' 850' 01.89. ' .28.' 4.' <7A"D' 01=00D' .20' ; 799 '73' 5086798 ; "0' ;0"403' .7' 6A : : 760' 9 (' <54..09' 78 C46.8F0' 375' 06 : 0=48""@' 86' .2050' 850' C0D8"6' <4.2' .246' 0 : 4B58 : 2' <24=2' @0.' D43305' 49' .@ : 0' 357C' .2760' <24=2' 0124 ; 4.' .20' <75D' ▫ 246' 0 : 4B58 : 2' 600C6' .7' 7==A5' 79"@' 49' .20' C49.' 73' 546 : 96 ' 375' 89DA5496 ' <27' : 57DA=06' 790' 64C4"85"@' 496=54 ; 0D' 8C79B' .20' B7"D' =7496' 73' 796.89.490' .20' @7A9B05 ' D58<6' 246' 8A.2754.@' 357C' 85D949' 79"@' 89D' 4.' <86' 6009' ; @' 97' 790' 0"60# 86."@' .2050' 850' .20' =7496' 73' &58.489' 496=54 ; 0D' 4 4 4? ' 5< 46*' T ' 628""# 97.' M68@6' =F20"N ' : 0528 : 6 ' 600C' .7' B7' ?54D0' 73' .20' C85F ' 43' ' 01 : 5066' C@' 7 : 49479' .28.' ; @' .20' + + ' 7 2050' 49' SA06.479' 850' .7' ;0' A9D056.77D' .2760' : 549=4 : "06' 75' .28.' D06=54 : E' .47 ' 73' @7A.2 ' 50SA450D' 49' =8C : 6' ; @' 546 : 96 ' <2760' 4C8B0' 46' 50 : 50609.0D' ; @' .20' C4"4.85@' 34BA50' 79' .20' 50?0560' 73' .246' =749*U' 7<' B508."@' D46.49BA4620D' ; @' <85"4F0' D00D6' <86' .20' @7A.2' 73' .246' .5A"@' 97 ; "0' ; 9.' 4""E38.0D' 00685' .20' : 09' 73' 246.75@' 286' <4.2' 6A3340409.' ="0859066' : 57?0D*

0 1 0' <86' =8""0D' 546=A6' <27' <86' .20' 0"D06.' ; 7C# .' 46' .20' =7B97C09' 73' .20' 60 ; 48 ' 9664D48 ' 89D' 85SA4.48' 38C4"406*

0 ' ' 89' 79489' ; @' ; 45.2 ' 89D' 73' 97' 4B97 ; "0' 38C4"@' <86' 8 : : 749.0D' 5030=.

.; D5' C7586606' ' 89D' 779@49B' ;46' 85C6' 49.7' .20' &0C89' 386.906606' ' ;A4".' 8' <8"'' 357C' .20' #2490' .7' .20' 89A;0'' 4=.75' 49' 84'' .2060' 0I:0D4.4796' 89D' 09=7A9.056' ; 7.2' <4.2' 37504B9' 89D' D7C06.4= 090C406' 20' 09 7@0D'.54AC:28'' 2797A56' 8.' #7C0' * ' ' 79' <24=2' 7==86479' 86' 46' 620<9' ;@' 246' =7496' 20' D46.54;A.0D' .; ' =79B48549C' 89D' .508.0D' .20' :07:"0' <4.2' C8B9434=09.' 627<6'' 9' SA0''49B' .20' 6A;60SA09.' 50?7".' 73' 8.AC49A6' 57=A"A6' 89D' 7976A6' <27' 28D' 60?09.@' A6A5:0D' .20' :9SD0' A9D05' 246' 504B9' 20' 960D' 246' B77D' 375.A90' <4.2' 50C85F8;"0' C7D058.479' 89D' 29C894.@'' 89@' 89D' 6.A:09D796' <050' .20' <75F6' <24=2' .246' 0?05' 8=.4?0' 549=0' =8A60D' .7' ;0' 0330=.0D' ;@' .20' "8;7A5' 73' 246' 67"D4056' 83.05' 28?49B' 506.750D' :08=0' .7' .20' <75"D'' A.' .20' .508.@' ;0.<009' #7C0' 89D' 05648' 28?49B' ;009' ;57F09' ;@' T' .20' &508.' ' 49B U' 57;A6' :50:850D' 375' <85' 8B849' 79' 8' B589D' 89D' D0=464?0' 6=8"0' ' ;A.' 246' 54B4D' 89D' 0I8=.' D46=4:"490' 89D' =05.849' 0I:50664796' <24=2' 28D' A9BA85D0D"@' 06=8:0D' 24C' 506:0=.49B' .20' C4"4.85@' :57?7F0D' 246' 7<9' .577:6' .7' CA.49@' 89D' .20@' 866866498.0D' 24C' 79' .20' C85=2' 49' .20' C79.2' 73' ABA6.' ' > >'' 57;96' 28D' 504B90D' 64I' @0856' 89D' 37A5' C79.26' ' 89D' 246' D08.2' <86' D0:"750D' 97.' 79"@' ;@' .20' '' 098.0' 89D' :07:"0' ;A.' 8"67' ;@' .20' ?05@' 67"D4056' <2760' D46=79.09.' 8.' 246' 60?054.@' 89D' 08"7A6@' 73' 246' :5030509=0' 375' =4?4'' 7?05' C4"4.85@' B7?059C09.' 28D' :57C:.0D' .246' CA5D057A6' 8..8=F' 79' .20' "4 6 73' .2045' C:0575'' 46' 6A:05475' B094A6' ;7.2' 49' .20' =7A9=4'' 89D' 49' .20' 340"D' 28D' 49D00D' :"8=0D' 24C' 79' 8' "0?0'' 8.' "086.' <4.2' .20' ;06.' 89D' 8;"06.' :549=06' 73' .20' #7C89' C:450' 89D' .20' 0A"7B4AC' 496=54;0D' 79' 246' .7C;' 8.' 246' 98.4?0' .7<9' 73' 45C49C' <2050' 20' D40D' 30' 385'6275.' 73' A6.4=0' .7' 246' C0C75@' 49' D064B98.49B' 24C' C050"@' 86' .20' ?89SA46205' 73' .20';85;857A6' 98.4796' 3A5' 246' <46D7C' :57;4.@' B77D' C758"6' 89D' D4649.0506.0DG 9066' 28D' 06.8;"4620D' 375' 24C' 8' C750' ?8"4D' ="84C' .7';0'=8""0D' T' .20' 8.205' 73' 246' 7A9.5@ U' .289' =7A"D' 0?05';0' .5A"@' 8D?89=0D' 375' 89' ABA6.A6' '75' 0?09' 375' 8' 58 89*

57;A6' 46' 6.@"0D' 79' 246' =7496 / ! # ' " ' # * $ ' ' *1 ' ' ' ' ' ' ' ' *1 (' ' *1 ' ' ' ' ' ' ' ' *1 ' ' ' ' ' ' ' ' *

20' B7"D' 89D' 64"?05' 73' .246' C:0575' 850' 5850' ' 246';5866' C790@' 73' .20' .245D' 375C' 46' 0I.50C0"@' 7CC79'' 08A?846' 6.8.06' .28.' .20' ;;t' D0' #7.20"49' 28D' 375C0D' 8' 60.' 73' .20C' 8C7A9.49B' .7' 97' "066' .289' .<7' .27A689D' 49' 9AC;05' <4.2' D4330509=06'' 90' 73' .20' C76.' 49.0506.49B' <4.2' .20' 50?0560' 73'*?4# 6' # $!' ' 57;A6' 79' 27560;8=F' 6:08549B' 89' 090C@' 46' 2050' B4?09*

7:46=A6' 49' 246' "430' 73' 57;A6' M='' 44*N' 50"8.06' .28.' .246' C:0575' <86' =8"'' 0D' 4 % ' 89D' 8"67

;@' .20' 7.205'=7B97C498' 73'# 5 'F ' 89D' # ' ;@' .20' 6098.0'' 790' 73' .2060' 2797585@' 8:0:0""8.4796' 27<0?05' 850' .7' ;0' 37A9D' 79' 246' =7496'' A.' <0' D7' 508D' 79' 67C0' 73' 246' C0D8"6' ! ' & ! ' 89D' 8"67' ! ' 4 ' 7507?05' 49' .20' 577C' 3 246' 7.205' C750' 9698'' .4."06' <0' 600' 79' 67C0' =7496' 73' .246' :549=0' ?4# 6' # $! ' ! ' ! ' & ' <4.2' 246' 208D' 58D48.0D' 8?0"49' 49' 246' 54B2.' 89D' 8' 6240"D' 49' 246' "03.' 289D'' 97.205' :40=0' 73' 57;96L6' C790@' 46' 496=54;0D' ! ' $! ' # $ 20' $ ' 73' .246' C:0575' 8:0856' 79' =7496' ;A.' 205' 98C0' 46' A9F97<9'' 47990.' D06=54;06' 8' ?05@' 5850' ;579\0' C0D8""479' 79' .20' 7;?0560' 73' <24=2' 850' .20' ;08D6' 64D0';@' 64D0' " = % 73' #) ' ' 8 ' @' F ' 620' 46' =8""0D' - ' # 'a';A.' ; $ ' 357C' <27C' .58D8' SA7.06' D706' 97.' :573066' .7' 28?0' D46=7?050D' .20' 98C0* 1' * ' 68@6' T' @' 246' <430' # " o ' 57;96' 28D' 60?058'' =24"D509' <2760' 98C06' 850' 97.' F97<9'' ' .28.' 46' 86=05.8490D' 46' .28.' .20@' 06.8;"4620D' .20C60"?06' 49' .20' =4.@' 73' #7C0*U # '' # 1 '' 4 ?4?6' '' :'' # " ' 4 ' # ' F 1 00' ' T$ ' 38C4"@* # '' # 1 # 0!6 # " " 0' 1<' ! ' # ' ' ' ' 89D' 8' SA8D54B8' 73' 0"0:289.6' 79' 8' =749'73' 8I09.4A6* # ' ' 1 246' .05C' <86' 960D' ;@' .20' #7C896' 49' 0I:5066' 5030509=0' .7' 8' 67"0C9' :57B5066' 75' :57=066479* 1 00' ' ' # 0

1 246' 38C4"@' 6CD' .7';0' 73' 899?489' 754B49' <86' 73' .20' :"0;0489' 75D05' 86' 8:0856' 357C' 4.6' 98C0';049B' 8667=48.0D' <4.2' .20' .54;A98.0' 73' .20' :0D:"0'' .6' =7496' <24=2' 850' 5850' 73305';A.' .<7' ?8540.406' ;7.2' 64"?05'' 20' 3456.' 89D

58506.' 286' 79' .20' 7;?0560' .20' "8A508.0D' 208D' 73' KA:4.05' <4.2' .20' C85F' 73' .20' 6098.0L6' 8A.2754.@' '' = * ' 79' .20' 50?0560' 46' ' % ' o ' % ' 89D' - ' F + ' 75' F + ' 46' .@:4340D' <8"F49B' <4.2' '89=0' 89D' ;A=F"05' 58460D' ' 8' 605:09.' ;03750' 205' 54649B' 357C' .20' B57A9D* 1 00' * ' 3 :44"@' 8"67' 600' - ' F +

2050' 46' 8' 60558.0D' D09854A6' 73' .246' 38C4"@' ;08549B' .20' 68C0' "0B09D' 79' 4.6' 50?0560' ;A.' <4.2' .20' .@:0' 73' KA97' 46:4.8' 49' 8';4B8' 8.' 39 ' 6:00D' 89D' 0I24;4.49B' 79' 4.6' 7;?0560' .20' 208D' 73' KA97' 46:4.8' 86' 50=7B9468;"0' ;@' .20' ? ' 208DG D5066* 1 20' "0..05' % ' 49' .20' "0B09D' 73' .20' 50?0560' ="84C6' 8' <75D' 75' .<7' 73' 7;605?8.479'' 8?05E' =8C:' 286' 0I:50660D' 246' 7:49 79' .28.' 4.' 49D4=8.06' ! ' .20' :5406.' 75' 85=2E:5406.' 73' KA97' 46:4.8'' A.' 68@6' =F20"' T' <209' .28.' "0859OD' 89.4SA85@' <57.0' .7' .20' 8;?'0' 0330=.' 4.' =7A"D' 97.' 28?0' 7==A550D' .7' 24C' .28.' 79' =05.849' 7.205' M=796A"85M' =7496' .20' 98C06' 73' 8' C89' 46' 49' "4F0' C89905' 37""7<0D';@' .20' "0..05' * ' 86' # & ' *1 8<' *1 *

[# * # *1 # '

' * $' ! 1 20503750' 49' .20' 68C0' <8@' ,*' # *' ! ' 46' 8"67' .7' ;0' 0I :"8490D ' 89D' .20' *' 46' 49' 8"'* :57 ; 8 ; 4"4.@' .7' ;0' 508D' ! N .' 46' D7A ; .34*' <27' .246' *' 57=4"4A6' <86*

*' # 8 1 ' ' ' $ '

4 6' *' ' ' ' :*:*' ' 8' "0B09D' 57A9D' .20' 208D' 73' 58 89' 79' 8' =79.7C48.0' C0D8*' =8.8"7BA0D' ;@' =F ; D*' 20' <75D6' ' ' 89D' # 850' .7' ;0' 508D' 8.' 3A"'" "09B.2' 79' =7496' 73' 4=494A6' 609475' 89D' 73' 796.89.490' .20' &508.*

' 790' <27' A9D05' .20' #0 : A ; "4=' <86' 609.' ;@' .20' =796A"6' .7' B7?059' 8' :57?49=0' ' 375' <2=2' :A5 : 760' 20' <86' 49?06.0D' <4.2' :7<056' 8"C76.' 86' 0I.5875D4985@' 86' .2760' <2=2' 8 : : 05G .8490D' .7' .20' =7969"624 :' 4.60"3* 1 8C06' 73' :57E' =796A"6' 89D' : 57 : 5 r .756' <050' + ' 79' =7496' 73' #7C89' 38C4"406' A9D05' .20' 8A.2754.@' 73' .20' 6098.0*' 2A6' <0' 600' 79' D09854' 73' .20' ' ++ ' ' ' - ' ' 89D' F ') ' 38C4"406 ' .20' +' 6*7*' 8DD0D' .7' .20' .4."0' 73' ' ' .7B0.205' 67C0.4C06' <4.2' .20' 98C06' 73' .20' :57?49=06' <2760' 8348456' .2760' C8B46.0548"' D0"0B8.06' 8DC4946.050D ' 86' 49' .20' =860' 73' 4=4"@* 20' # 'B7?0590D' .20' :57?49=0' .7' <2=2' 20' <86' 8 : : 749.0D ' 8==75D49B' .7' .20' #7C89' "8<6*' 20' @085' 73' .20' :57=796948.0' D8.0D' 4.6' =7CC09=0C09.' 357C' .20' .4C0' .28.' .246' C8B46.58.0' C8D0' 246' 7334=48*' 09.5@' 9 : 79' 246' :57?49=48"' B7?059C09.*' .' .20' 0I : 458.479' 73' .20' @085' 20' 5064B90D' ;46' =285B0' <2=2' 49="AD0D' .20' =7CC89D' 73' .20' 67"D4056' 49.7' .20' 289D6' 73' 246' 6A==06675' 43' 8554?0D ' 89D' 49' .245.@' D8@6' SA4..0D' .20' :57?49=0*' 3' .20' 6A==06675' <86' 97.' @0.' 8554?0D' .20' :57=796A"' "03.' 246' "40A.0989.' .7' 8=.' DA549B' .20' 49.05?8"' ' 29D' 79' 246' 50.A59' .7' #7C0' 509D050D' 89' 8==7A9.' 73' 246' 8DC4946.Q .479' .7' .20' 6098.0* 1 2060' C8B46.58.06' 09 7@0D' 49' .2045' 506 : 0=.4?0' :57?49=06' .20' 68C0' 2797A56' 86' .20' =7964D6' D4D' ' #7C0*' ' :57E' =796A"6' 73' :57?49=06' <050' =8 0D' 50=.756' 75' : 50G 64D09.6' 73' .20' #7C89' : 07 : "0' ' .20@' <050' 8..09D0D' 79' 6.8.0' 7==8647 96' ; @' .<0"?0' "4=.756' 85C0D' <4.2' 386=06' 89D' 8I06' 43' .20@' 28D' 605?0D' .20' =79G 6A"8.0 ' 7.205<460' ;@' 64I' 79"@*' 20' 208D6' 73' :57=796A"6' <050' 97.' 86' 8' C8..05' 73' =A6.7C ' 09B58?09' 79' =7496' ' ; A.' .2045'.4."06' <050' 50=75D0D' 79' .20' :57DA=.6' 73' .20' C49. ' 89D' .20@' 850' 50 : 50G 609.0D ' 49' S98D54B r ' ; 08549B' .20' 4?75@' 6=0 : .50 ' 86' .20' 6@C ; 7"' 73' :57=796A"85' B7?059C09.' 79' =7496' 73' .20' 05?4"48 ' 0I.48 ' 89D' 7648' 38C4"406* SK05' .20' 0C : 450' .20' + ' <86' : 50G 605?0D/' 89D' <4.2' .20' 6.579B05' 508679' 375' 4.6' =79.49A89=0' .28.' 86' .20' D7C49479' 73' #7C0' 49=50860D' 49' 0I.09.' 4.' ; 0=8C0' 50SA464.0' .7' CA".4 : "@' .20' 9AC ; 05' 73' 7334=056' 49?06.0D' <4.2' 67A9D49B' .4."06' 89D' 85C0D' <4.2' .20' 3A 06.' 8A.27G 54.@' 375' .20' B7?059C09.' 73' .0554.75406' 8.' 8' D46G .89=0' C750' 75' "066' 50C7.0' 357C' .20' B508.' =09.50' 73' 6A : 50C0' : 7<05*' 57C' .20' : 0547D' <209' ABA6.A6' D4?4D0D' .20' 8DC4946.58.479' 73' .20' 0C : 450' ; 0.<009' 24C60"3' 89D' .20' 6098.0 ' .20'"8..05' 609.' .7' .2760' : 57?49=06' <2=2' 28D' ; 009' =79G =0D0D' ; @' .20' C : 0575' .7' .2045' =850' B7?059756' <27' A9D05' .20' 98C06' 73' : 57=796A"6' 75' : 57G : 5 r .756' 8DC4946.050D' A6.4=0' .2050' ' ; A.' .2060' 6098.7548"' 50 : 50609.8.4?06' 20"D' 97' C4"4.85@' =7CG C89D' 975' 89@' =79.57"' 7?05' .20' 50?09A0' ; 7.2 <24=2' <050' 0I="A64?0"@' =7934900D' .7' .20' 67?0G 504B9I6' 7334=056* 1 T 9D05' .20' C : 05756' M68@6' =F20"N' .20' : 57=796A"85' D4B94.@' 6779' ; 0=8C0' : 05 : 0.A8*' 49' .2045' : 056796 ' 75' 49' .2760' 73' .2045' D06.490D' 6A==066756*' @' 8A.2754.@' 73' .20' 6098.0 ' "8AD4A6' D0=500D' .28.' 057' r 685'627A"D' : 766066' : 57=796A"85' : 7<05' " ' ⅋' 7A.' 73' .20' A546D4=.479' 73' .20' =4.@*' 9.7949A6' 496' <86' C8D0' ; @' 8D5489 ' 8.' 790' 89D' .20' 68C0' .4C0 ' 246' =7"'08BA0' 49' : 57=796A"85' B7?059C09.' 89D' 49' .20' .54 ; 994.489' : 7<05*' 9D' Z' 64C4"85' : 54?4"0B0' <86' =7930550D' 49' 246' .A59 ' ; @' 9._E' 949A6' 496' 79' 246' 8D7 : .0D' 679' *' A50"4A6*tŁ T 2050' <050' .20503750' M8DD6' .20' 68C0' <54.05N' .2500' F49D6' 73' : 57=796A"8.06' 8C79B' .20' #7C896' 73' .2060' .20' 3456.' <050' .20' 75D4985@' 7906' <27' <09.' 7A.' .7' B7?059' : 57?49=06' 28?G 49B' 8=SA450D' .20' 7334=0' 04.205' ;@' "7. ' 75' ; @' 8B500C09. ' 75' 6A ; 60SA09."@' ; @' .20' C466479' 73' .20' : 549=0' 24C60"3*' 20' 60=79D' <86' 89' 0IG .5875D4985@' : 57=7969"624 : ' .7' <2=2 ' 375' 8' =05G .849' : 0547D' 73' .4C0 ' B508.05' : 7<05 ' .289' A6A8""@' ; 0"79B0D' .7' : 57=796A"6 ' 89D' 0I.09D49B' 7?05' C750' : 57?49=06 ' <86' 09.5A6.0D*' 20' .245D' <86' : 05G : 0.A8"' 89D' 4.6' 8A.2754.@' : 50?84"0D' .257AB27A.' 8"'" .20' : 57?49=06 ' 89D' .246 ' .20503750 ' <86' D0=500D' ; @' ABA6.A6' .7' 8 ' C : 05756 ' 89D' ; @' .20C' 350SA09."@' .7' .20' .06846 ' 89D' .7' .20' D06.490D' 6A==066756' .7' .20' .25790*Ł 1 7' ?44*#' *

20' : 57=796A"8.0' 73' .20' ' 89D' ' ' 46' 60"D7C' 508D' 79' .20' C79AC09.8*' 496=54 : .4796' 73' 89.4SA4.@' 04.205' 79' C85 ; "0' 75' ; 5866*' 3' 6A=2' =7496' 6.4"'* 30<05' 49' 9AC ; 05 ' 86' 8DD' .20' .4."0' 73' : 57=796A"' .7' .28.' 73' 0C : 0575' .20' 37"'"7<G 49B' "46.' 46' 3A594620D' ; @' =F20"' / 1 =7 *' 4C *' : *' : *' *' 49' 7.2056' " 0' 1 ' (' (' (4 ' ' 9' =7496' 73' 47="0.489* =76*' *' : *' : *' *' 79' 7.2056' " 0' 94"* 1 2*' 1 *1 *1 :*' :*' *' 9' =7496' 73' 8I4C489' 05=A"06* *' *' :*' :*' *' 9' =7496' 73' 796.89.496' 2"7C6* *' *' *' *' 9' =7496' 73' 4=494A6' 609475* *' *' *' *1 *' *' *' *' 9 4"*' *' *' *' *1 *' *' *' *' *' *' :*' *' 9' =7496' 73' 796.89.490' .20' &508.* # ' ; 7C' 'HH '49' "4=48' 50"8.0D' .7' KA"489' .20' : 76.8.0 ' <27' 2797A50D' 24C' <4.2' ?8547A6' D4B94.406' ' 20' <86' =285B0D' ; @' K7?489' .7' =79DA=.' .20' D08D' ; 7D@' 73' .28.' 0C : 0575' .7' 856A6' 375' 49.05C09.*' A.' 86' .20' 5AC7A5' : 50?84"0D' .28.' KA"489' 28D' C8D0' =274=0' 73' 24C' 86' 246' 6A==06675' .7' .20' .25790' 57=7 : 4A6' 50.450D' 3456.' 49.7' 20567E' 90696' gA54=8' 83.05<85D6' .7' 28"=0D79' ' 8.' "09B.2' 28?49B' : 57=00D0D' .7' 796.89.497 : "0' 20' .77F' 8D?89.8B0' 73' .20' F97<9' 99 : 7 : 72 4.@' 73' 8"096' .7' 866ACO' .20' .4."0' 73' ABA6.A6' 49' .28.' =4.@' *' *' H [* A.' 8".27AB2' 8.' 3456.' 6A==0663A"' 49' .246' 866AC : .479' 246' : 54D0' 0I.75.479' 89D' =580".@' : "A9B0D' 24C' 49.7' C49' ' ;@' 509D0549B' 246' 7<9' B7?059C09.' 496A : : 75.8 ; "0*' 8"096' 28?49B' ; 009' 7490D' ; @' .20' "0B4796' 73' .20' 086. ' <27' 28D' 50C8490D' 384.234K' .7' 246' =8A60' 09=7A9.050D' 57=7 : 4A6' 8.' 8=7"48' 49' 25@B48' ' ?89SA4620D

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=0D0D' ;@' 8' 4=.75@' 50=75D49B' .20' 38=.' 73' 246' 28?49B' 60.' 7A.' 357C' #7C0' 79' 246' 6A==0663A" 0I:0D4.479' 8B8496.'.20' 0564896' 9 ' >H,N" 3' .20' .<7' 7.2056' 790' 46' 8' C0D8""479' ;0854 9B' 79' 4.6' 7;?0560' .20' :75.584.6' 38=0' .7' 38=0' 73' "0I89D05' 88D' 8C808' 246' C7.205' <4.2' 8' =75G 506:79D49B'"0B09D' 89D' 79' .20' 50?0560' # # " ! ' & 4" ' .20' .@:0' 89' 0SA06.5489' 34BA50' 73' .20' C4N0575' 246' 54B2.' 289D' 5846OD' 89D' 8' 6:085' 49' 246' "035' 8' 4=.75@' B749B' ;03750' 24C' 27"D49B' 7A.' 8' "8A50" =57<9' 89D' M79' 67C0' 50?05606N 67"D4056' 37""7<49B' 75' :50=0D49B" 7.2' .2060' 850' 620<9' ;@' =F20" .7' ;0' C0C7548"6' 73' "0I89D05L6' 28?G 49B' C85=20D' 89' 85C@' 8B8496.'.20' &05C896' <27' =576649B' .20' #2490' 9 ' >H N' 28D' C8D0' D0G ?86.8.49B' 49=A5647 96' A:79' .20' &8""4=' ;75D056' 73' .28.'54?05* 1 064D06' .20' .05C' # $ ' <0' 349D' .28.'73' + 4 47' 89D' 73' $! " ' A60D' 375' 8' 64C4"85' :A5:760' 73' 49D4=8.479' 'Y89D' <209' .20' 0C:0575' 50.A590D' .7' .20' =8:4.8" 83.05' 8' <85' 75' 8' ?4=.75@' 246' 09.5@' <86' D097.0D' ;@' .20' 496=54:.4?0' D46.49=.479' 73' 1 00' .20' <75D6* " # " # + 8 1 674" ! ' :" 4" 9' 8' =749' 73' A50"489* # 5' ' 1 20'89=409.'6.75@' 73' C89' ;049B' 375C0D' ;@' 57C0.20A6' 89D' 894C8.0D' ;@' 4905?8' 46' C8D0' .2k' 50?0560' .@:0' 73' 8' ;579\0' C0D8""479' 73' 9.79 49A6' 4A6" 9' .246' ;08A.43.4" 6:0=4C09' 73' .20' 7598C09.8" C49.' 73' #7C0' 49' 205' ;06.' D8@6' 73' 9AC46C8.4=' 85.' 57C0.20A6' 8:: 0856' 608.0D' 79' 8' 57=F' =79ER .=C:"8.49B' .20' 50=09.' <75F' 73' 246' 289D6' 8' 98F0D' 2AC89' 34BA50' :"8=0D' ;03750' 24C' "4F0' 8' 6.8.A0" 0249D' .246' 4C8B0' D46.49BA4628;"0' ;@' 205' 20"C0.' 89D' .20' 60B46' 46' 6009' 4905?8' B4?49B' 30' .7' 4.' ;@' :"8=49B' 8' ;A..053"@' M0C;"0C' 73' @6 67A"N A:7A' 4.6' 208D" 085' .20' B7DD066' 46' 8' .50W' 57A9D' <24=2' 8' 605 409.' 286' 09.<490D' 4.60' 1' 6@C;7" 73' .28.':5AD09=0' <24=2' 50BA"8.06' 8' .20' 8=.479 6' 73' .20' <460' D8AB2.05' 73' K7?0* ==75D49B' .7' .20' <0""EF97<9' 49.05:50.8.479' 73' .20' C@.2" 6@=20' 89D' 7?0' 64B943@' .20' A9479' 73' .20' 67A" <4.2' .20' ;7D@' 209=0' 6@=20' 46' 350SA09."@' D0:4=.0D' <4.2' 8' ;A..053"@' 8;7?0' 205' 208D*1 20' 8;7?0' C0D8""479' 46' SA7.0D' ;@ =F20"' 86' 357C' .20' A60AC' ";894' 89D' 86' ;08549B' 79' 4.6' 7;?0560' .20' "8A508.0D' 208D' 73' .20' 0C:0575' <4.2' 496=54:.479' ! ' ' :4?8" 3 *1 "49' 8"67' 8664B96' 8' C0D8""479' 73' ;5866' 50:50609.49B' .20' 68C0' 6A;0=.' 89D' <4.27A.' "0B09D' .7' 9.79 49A6' 4A6' 86' :50G 605?0D' 49' .20' 7609C' 73' .20' 8.4=89* ' 7<0?05' D46BA460D' 49' .20' 38;A"7A6' C86F' 73' 208.209' C@.27"7B@' 89D' 73' 89=409.':70.5@' 57C0.20A6L6'508"=2858=.05'8:: 0856'.7'28?0' ;009' :57:05"@' 50=7B9460D' ;@' .20' &500F6' 8C79B6.' <27C' 246' 98C0' :8660D' :57?05;48""@' 375' .28.' 73' 8' 6F4"3A" 89D' 49B0947A6' C89" 20' 98C0' 73' 57C0.20A6' 8"67' 64B94306' 8':7..05';0=8A60' 20' <86' 684D' .7' 0I=0" 49' <75F6' C8D0' 73' <24.0' ="8@" 9' 09B58?0D' 6.790' 50:50609.6' 24C' C7D0""49B' .8.A06" 20' 98C0' "4F0<460' C0896' 375064B2.' 89D' .20' 49D4?4DA8" <27' ;750' 4.' <86' 0?4D09."@' 38C7A6' 49' 246' .4C0' 375' .20' 9AC;05' A.4"4.@' 89D' 49B09A4.@' 73' 246' 49?09.4796*1 0B05' D054?06' 357C' <54.49B6' "066' 34BA58.4?0' 89D' 0I.58?8B89.'.289' .20' D58C86' 73' 89=409.' &500=0' .28.' 57C0.20A6' <86' .20 #) # * 3456.' .7' 496.5A=.' .20' 66@54896' 49' 86.5797C@' .28.' 20' =7C:50209D0D' .20' 98.A50' 73' .2A9D05' 89D' .28.' 4.' <86' 357C' 246' F97<"0DB0' 73' =8A606' <4.2' 50B85D' .7' 8.C76:2054=' :2097C098' .28.' 20' B8490D' .20' D89B057A6' 50:A.8.479' 73' 28?49B' 6.7"09' KA:4.05L6' 7<9' "4B2.949B*1 7==285.' 8"67' B"0896' 357C' .20' <54.49B6' 73' .20' 89=409.6' .28.' 57C0.20A6' <86' .20' 8A.275' 73' C0D4=490' D4?4G 98.479' CA64=' 89D' 7.205' 85.6' 73' C89' 49' 8' =4?4"4\0D' 6.8.0*" # " # + I(' B508.' B589D679* 1' " ' ' " " " " #61 $' " " ' ' 1 5' ' '# ' ' ' + j' ' ' # + ' ' ') + ' M8' B589D=24"DL6' B589DG 679N" 7' 79' 8' =749' 73' 8"4BA"8' =" 4 *' ! !' 1 ' (, ' # + 5' # & ' # ' * 1 246' "0B09D' 8==7CG :8940 6' .20' .@:0' 73' 8' C89' 89D' 8' <7C89' 6.89D49B' 38=0' .7' 38=0' 89D' 749 49B' 289D6' 79' B7"D' 89D' 64"?05' 73' 858=8""8' 89D' "89.4""8* .5A=F' DA549B' .20' "430E.4C0' 73' 0?0C6' 49' 2797A5' 73' 246' 0"D06.' 679L6' C85548B0' 9 ' > >N' .246' =749' 620<6' .20' 27:0' 09.05.8490D' ;@' .28.' C:0575' 73' C8"0' D06=09D89.6' 357C' .246' A9479' .7' :05:0.A8.0' .20' 0C:450' 49' 246' 38C4"@' 86' .20' D09854A6' <4.2' ' + ' 8"67' 605?06' .7' D0C796.58.0 1 8' 27:0' ;"4B2.0D' ;@' .20' 0?09.1 8' C85548B0' 509D050D' 38.8""@' PC46058;"0' .7' .20' <430' ;@' .20' 8.57=47A6' ;5A.8"4.@' 73' .20' 2A6;89D*1 00' " # * # " 75' # # " # " 57E' :5m.75' 73' 354=8*1 00' ' ' # " *1# + F # + *1 C79B' .20' C8B46.0548" :05G 6798B06' 0C:"7@0D' 49' .20' B7?059C09.' 73' .20' D4330509.':57?49=06' 73' .20' #7C89' 0C:450' 89D' 73' <27C' C09.479' 46' C8D0' 79' =7496' 850' .20' 57:580.756' .7' 27C' 354""" 5m.75489' :7<05' 89D' D4B94.@' <86' 0I.09D0D' <4.249' .20' 6:2050' 73' .2045' 8DC4946.58.479" 6' .20' .0554.7540 6' 73' .20' 50G :A;"4=' 49=50860D' 67' <86' .20' 90=0664.@' 375=0D' A:79' 205' 73' 49=508649B' 49' :57:75.479' .20' 9AC;05' 73' :57?49=48" 7344=056' 89D' =7960SA09."@' C8B46G .58.06' <050' 609.';@' .20' 6098.0' <4.2' .20' .4."06' 73' :57=796A" 89D' :57:560.75' 8==75D49B' .7' .20' 06.4C8.0D' 4C:75.89=0' 04.205' 375' 0I.09.' 75' 375' 64.98.479' 73' .20' :85.4=A"85' :764.479' 73' =7A9.5@' 6A;0=.0D' .7' #7C89' D7C498.479" 20' 79"@' D43"0509=0' ;0.<009' .20' 50"8.4?0' :764.479' 73' .20' :57=796A"85' 89D' .20' :57:90.75489' B7?059756' =79G 646.0D' 49' .20' 375C05' 28?49B' 89' 8..09D89=0' 73' .<0"?0' "4=.756' 89D' .20' "8..05';A.' 641' 89D' .28.' .20' 50.49A0' 89D' 67"D405@' 73' .20' :57=796A" <050' B09058""@'.20' C750' 9AC057A6" 20'+ + 86' <0"" 86' .20' :57=796A"6' ;@' <27C' .20' "85B05' :57?49=06' <050' 5A"0D' 850' 37A9D' 50=75D0D' 79' C89@' =7496' 73' 38C4"406' B4?09' ;@' 7404" 89D' 84""89.* # & " # + ' 0309D05* 1O # ' # & " 79' =7496' 73' &75D489' "'6 # # ,' MA9D056.89D', *N' E " " " " * *1 KA:4.05' 628F49B' 246' .2A9D05;7".' 7?05' 8' ;85;8548G' "@49B' :576.58.0' 79' .20' B57A9D* 246' 64"?05' =749' 73' " A50"4A6' 496=54;0D' M86' ;@' 8667=48.49B' .20' "0B09D' <4.2' .20' .@:0' <4"" 8::085N' .7' - + ' '. $ ' <86' 6.C="4' 4:

% *1 ' #' .20' @085' 73' 2546.' , ' <209' .20' \"05C896' 28?49B' 8B849' 50?7".0D' 8B8496.' #7C0' .20' C:0575' 60.' A.' 49' ABA6.' 79'8'C4"4.85@ 0I:0G D4.479' .7' &05C89@' <4.2' 246' 679' 7CC7DA6'# 246' 46' .20' 3456.' .4C0' .20' 496=54:.479' 73' E :?7I '8::0856'49'.20' C:0548"' 605406'# 3.05G <85D6' <0' 349D' 4.' 7490D' 67C0.4C06'.7' .20' <75D' "7?4' 8.' 7.2056'.7' .20' <75D' $: ' 89D' 0?09'.7' 4 4' 8==75D49B'.7' .20' =274=0' C8D0' ;@' .20' 504B949B' :549=0' 73' 8' :85.4=A"85' =28C:479' 357C' 8C79B6.' .20' ?8547A6' B7D6' 73' 246' 89.2079*1' I8C:"06' 73' .246'F49D' 850' .7' ;0' 37A9D' 79' =7496' 73' "0I'# 0?05A6' 0:.'# 0?05A6' 858=8""8' &75D489A6' 4A6' 7"A6489A6' 0C4"48996' 8"0E "489A6' &8""409A6' 76.9CA6' 0.54=A6' 47=\"0E' .48AA6' 8"'# 8I4C489A6' &8"'# 8I4C489A6' 796.89.49A6' 8B9* ' %' # 0 1 j# :*1 6' 79' 8' D09854A6' 73' .20' ' '38C4"@' <4.2' .20' 0:46 B58:2' # ' 7S# :*' <24=2' 84 89.'504"6' # 0 ' # ' 75' # :' ;A.' <24=2' =F20"# 68@6' 46' C76.' "4F0"@' .7' C089' 57E 0 '# + *1 20 .4."0' 73' 57SA606.75' 0I:50660D' 86' 8;7?0' 97.' A9350SA09."@' 8::0856' 79' =7496' 73' #7C89' 38C4"406* # 0 *1 20SA.06.756'89D':57S9606.756' <050' .20' :8@C86.046EB09058"# 73' .20' #7C89' "0B4796' 98@' 0?09' .20' ;A6496066' 73' .20' =749BD' =8C0' 8"67' A9D05'.2045' =850'# 9D' 49' .20' 0?09.7 73' 8' SA806.75' D@49B' 75' "08?49B' 246' :57?49=0' .20' :57SA606.75' 8=. '49' ;46' 577C* # ' .20' :57<' 75' 3750' :85.' 73' 8' 624:*1 246' 34BA50' 79' =7"7948"# =7496' 49D5=8.06' 8' =4.@' 64.A8.0D' 79' .20' 608E=786.*1 .' 46' 8' 6@C;7"# 73' C854.4C0' :7<05' 86' 79' =7496' 73' # 9.79@' 89D' 73' .20' 7C:0@6* # & ' 850' 6009' 79' ;5866' =7496' 73' C89@' #7C89' 38C4"406' <24=2' 850' .209=0' D097C498.0D' *1 20@' 850' 8"67' 37A9D' 79' C0D8"6' 73' KA"4A" ' 60685' ABA6.A6' 06:86489' M<4.2' 8' 6.85' 8;7?0' 89D' =76# 49*N' 89D' 8D5489*1 "67' <4.2' .20' B7DD066' ' 6.89D49B' 79' 75' 9085' 86' 49' 4.A6' 7C4.489' 05?8' 48 89' 8D5489' 9.7949A6' 4A6' # A50"4A6' 0?05A6' &8""409A6'# 9' 8' 60=79D' ;5866' 73' 7CC7DA6' 9##$! "!#!' 4?? 46N' 8' "0B47985@' 08B"0' 6A::75.0D' ;@' .<7' 54B2.' 289D6' 7490D' 46' 6009' :"89.0D' 79' .20' :57<' 73' 8' B8""0@* 20' :57<' 73' 8' B8""0@' <4.2' .20' 34BA50' 73' 0"4=4.@' 73' 75.A90' 73' 60.4.48' 73' 0:.A90' 73' 4905?8' 89D' 73' #7C0' 46' 6009' 79' =7496' 73' 06:86489' 8D5489' 74C97DA6' 9.7949A6' 4A6' 0?0C6' 76.ACA6' 24"4:' 89D' &8""409A6'# 1 20' 68C0' 7;0=.' 79' <24=2' 6.89D6' 8' ' 8::0856' 79' C0D8"6' 73' ABA6.A6' 06:86489' 89D' 4.A6*1 00' !" $! ' !! / ' * # #'# # 57'6 ' ' 0*1 75' .20' 50.A59' 73' .20' C:0575* # # # # 'F 1#* '6'# $ Pu' ?8'# # 'F ' '6 ' *1 00' # # S'# # '6*' =* # + ' D8AB2.05' 73' KA:4.05' 89D' 0506' 89D' .20' <430' 73' "A.7' ;@' <27C' 8==75D49B'.7' .20' 38;"0' 620' <86' 375=4;"@' 27C0' 8<8@' 357C' 998' 75' 7A9.' 0.98' 89D' =79?0@0D'.7' 246' 4930598"# F49BD7C' 5 *'# $ 50.0*1 84 89.' 49' 2' # # *1 # # [a' 60"0=.479' 73' ;5866' C0D8 4796' 357C' .20' ;;t' 0' 8C:L6' =8;490.' B4?06' 357C' 8' =749' 73' @\4=A6' <4.2' &500F' 496=54:.479' 8' :75.584.' 73' 8A6.498' 609'# A9D05'.20' .@:0' 73' 57605:490' <4.2' 0506' 79' .20' 50?0560' 49' 6085=2' 73' 205' "76.' D8AB2.05'# 4 49' M49' 246' 4 ' 3 ' .'# 4'# :4'# I"4I*' H N' B4?06' .20' 5C50560' 73' 8' =749' 73' 9.7949A6' 4A6' <4.2' "0B09D' 73' ! ! ' " ' 4444'# 89D' .@:0' 73' .<7' <7C09' 6.89D49B' 790' 27"D49B' =759E0856' .20' 7.205' 8' B"7;A"85' 34BA50' 89D' 20' 49.05:50.6' .20' D0?4=0' 86' 37 7<6/1 T' 57G 605:490' 286' ;009' 37A9D' 8B849' ;@ 0506' <27' 46' =2858=.05460D' ;@' .20' 0856' 73' =7C' <24=2' 620' 27"D6' 49' 205' 54B2.' 289D'# 20' D8AB2.05' 27"D6' 49' 205' "03.' 289D' .20' :7C0B5898.0' 73' <24=2' 620' 28D' 08.09' 89D' <24=2' <86' .20' =8A60' 73' 205' 97.' ;049B' :05C4..0D' 8"<8@6' .7' 50C849' 49' 208?09*U 1 (4.2' .20' 3750B749B' 0I=0:.479' .20' 34BA50' 73' 57605:490' D706' 97.' 8::085' 79' 89@' =749' 73' #7C89' D40'# A.' .20' C0D4D6' 73' @58=A60' :50609.' 205' 4C8B0' .20' 4=4"4896' <75624:44' 205' 86' 8' B7DD066' 89D' 6<08549B' 34D0"4.@' .7' .2045' :57C4606' ;@' 205' 98C0* # '# &'# ' *1 7' .20' 375064B2.' 73' .20' C:0575*1 #$ ' *' # ' 75' # ' # *1 20' :57?4D09=0' 75' .7' .20' :57?4D09=0' 73' .20' B7D6* # ' M 57?4D09=0N*1 (4.2' 8"'' .2045' ?4=06' 37 406' 89D' B5766' 69:056.4.4796' M49D00D' 49' 6:4.0' 73' .20CN' .20' #7C896' 6.4 '8::085' .7' 28?0' =2054620D' 8' ;0"403' 49' .20' :05:0.A8"# 89D' D450=.' 49.05:764.479' 73' .20' B7D6' <4.2' 506:0=.' .7' 2AC89' 8348456*1 C79B' .20' ?8547A6' C79AC09.6' <24=2' 8..06.' .246' 50"4B47A6' 300"49B' 75' 8.' "086.' .246' :57G 3066479' 73' 50"4B479' 79' .20' :85.' 73' ;7.2' :549=06' 89D' :07:"0' 9790' 850' C750' =796:4=A7A6' .289' 3.760' .7' ;0' 37A9D' 79' .2045' + '=7496' 375'4.' 46' .7' ;0' 7;605?0D'.28.' :50?47A6' .7' .20' 6A;6.4.A.479' 73' .20' C7985=24=8"# 375' .20' 50:A;"4=89' 375C' 73' B7?059C09.' .28.' 8 0B754=8"# D4?494.@' <2760' 98C0' 46' D054?0D' 3.7C'+ ' M.7' 3750600N' 46' 97.' 6009' 04.205' 79' C0.8"# 75' 79' C85;"0* 1 20' 3456.' =749' 79' <24=2' .20' 98C0' 73' # 8::0856' 46' 8' A94SA0' 790' 73' 6C8"'' ;5866' 28?49B' 79' 790' 64D0' 8' 58D48.0D' 208D' 6A557A9D0D' <4.2' .20' 496=54:.479' 5?76' 5? 4?6" $' 89D' 79' .20' 7.205' 89' 8".85' "4B2.0D' <4.2' #$! ' " / ' 57C' .20' =7CC09=0C09.' 73' .20' 504B9' 73' 9BA6.A6' 89D' 83.05<85D6' .20' <75D6' # ' 89D' # ' $' ' 4 ' =8C0' ?05@' 350G SA09."@' 49.7' A60' 89D' .20' 8==7C:89@49B' 6@C;7"6' <050' B508."@' CA".4:"40D' 4967CA=2' .28.' ' ' 49' 246' 60=79D' 48"7BA0' 0I24;4.6' .<0"?0' ?8540.406' 73' .@:06' .8F09' 357C' 50?05606' 73' D4330509.' 0C:05756L' =7496' 375' 8DA"8.479' 6779' :57=00D0D' .7' "8?462'A:79':549=06'8 '.20'8..54;A.06' 73'D4?494.@* 1 57?4D09=0' 9#$! $! ' $ A' 27<0?05' 46' 73.0906.' D0:4=.0D' A9D05' .20' 375C' 73' 8' 30C8"0' ="7.20D' 49' 8' C8.5796' B7<9' 27"D49B' 49' 205' "03.' 289D' 8' =7CA=7:4m' 75' .20' 286.8' :858' 89D' 49' 205' 54B2.' 8' 6275.' <89D' <4.2' <24=2' 620' 04.205' .7A=206' 75' :749.6' .7' 8' B"7;0'# 7C0.4C06' 620' 27"D6' .246' B"7;0' 49' 205' 54B2.' 289D' 8.' 7.2056' 4.' "406' 8.' 205' 300.'# 246'.@:0' 46' 49.09D0D' .7' C85F' .20' :7<05' 89D' <46D7C' 73' .20' 0C:0575' <27' 5A"0D' .20' #7C89' <75"D*1 9' 8' 3456.' ;5866' 73' "0189D05' 0?0C6' 496=54;0D'# $! ! '

46' 8' <7C89' 506.49B' 205' 54B2.' 289D' 79' 89' 89=275 ' 89D' 27"D49B' .<7' =759E0856' 7?05' 89' 8".85* 1 9' 8' 60=79D' ;5866' 73' AC0548AA6' .20' ! ' $' ' , + ' 27"D6' 8' =7CA=7 : 4 r' 49' 205' 54B2.' 289D* 1 .205' .@ : 06 ' : 0=A"485' .7' =05.849' 0C : 05756' 89D' 0?09.6 ' <4""' ;0' 374CD' D06=54 ; 0D' ;0"7<*

*' *' *' ' "4B2.0D' 8".85* 1 246' 46' .20' "0B09D' 89D' .@ : 0' 8""AD0D' .7' 8 ; 7?0' 86' 375C49B' .20' 50?0560' 73' 8' C4DD"0' ;5866' 73' KA"4A6' m685* 1 ' 0""0549' <86' .20' 3456.' .7' : A ; "462' 4. ' 49' 246' = ' ' = ' M?7"' 4' :' , a N ' 89D' =F20' SA7.06' .20' =749' 357C' .20' <75F' 73' .28.' B508.' 509=2' 9AC46C8.46.' 86' 89' 0?4D09=0' .28.' ! ' <86' 89' 8..54 ; A.0' 8"C76.' 0I=" A64?0"@' 8664B90D' .7' .20' B7D6' A.' 8.' .20' 68C0' .4C0 ' 20' D09406' .20' =7550=.9066' 73' 0""0549L6' 86605.479' .28.' .20' <75D' ! ' =7A : "0D' <4.2' .20' 34BA50' 73' 89' 8".85' <86 ' 49' .20' 8B0' 73' KA"4A6 ' 8' C85F' 73' =7960=58.479 ' T 375' M68@6' .20' &05C89' C0D8""46.N' <0' 8"67' 600' ; 7.2' 73' .20C' =79 7490D' 79' =7496' 73' &8" ; 8' 89D' 4.0""4A6*U' 246' 46' .20' 085"406.' #7C89' =749' 24.205.7' 37A9D' <24=2' 0I24 ; 4.6' 6A=2' 8' 50?0560 ' ; A.' 4.' 46' =7CC79' 79' .2760' 73' . ' $$

*' *' *' 9'8".85* 1 9860079D' ; 5866' =749' 506.750D' ; @ 06 : 86489*

@' .20' 7"D' C86.056' 74' .20' 9AC46C8.4=' 6=409=0' 4.' <86' .27AB2.' .28.' .246' 89D' 7.205' =7496' 28?49B' 79' .20' 7 ; ?0560' 8' 58D48.0D' 208D' 73' ABA6.A6 ' <4.2' .20' 496=54 : .479' 94??6' & ' # $ ' <050' 6.5A=F' 49' .20' "430E.4C0' 73' ABA6.A6 ' 89D' .28.' ; @' .20' .@ : 0' 73' .20' 50?0560' .20' .0C : "0' 73' K89A6' <86' 50 : 50609.0D 1 .28.' .0C : "0' ; 04BB' =760D' 49' =7960SA09=0' 73' m685' 28?49B ' ; @' 246' # 3 !.' 2 4 ' 506.750D' : 08=0' .7' .20' <75"D' 2060' =7496 ' .20503750 ' 86' # '0I : 506606' 246' 7 A947 4 <050' 6.5A=F' 49' .20' @085' 73' #7C0' >[' 49' .20' 58D48.0D' 208D' 89D' "0B09D' C??6' 5& ' 79' .20' 7 ; ?0560' 3A""@' : 57?0' .28.' .20@' <050' 6.5A=F' 83.05' .28.' 0C : 0575L6' D08.2' ' 89D' .28.' .20' .@ : 0' 73' .20' 50?0560' 46' 97.' .20' .0C : "0' 73' K89A6 ' 46' 6A334=409."@' 620<9 ' ; @' .28.' 50C85F8 ; "0' 89D' A94SA0' =749' 73' KA"4A6' m685' 8 ; 7?0' D06=54 ; 0D' 357C' 0 0549 1 8' =749' ?05@' "4F0' .20' 790' 97<' 49' SA06.479 ' 0I=0 : ' .28.' 79' .20' 7 ; ?0560' 46' 508D' 4?76' 4?44?6') #' .' 46' F97<9 ' 27<0?05 ' .28.' .246' 4=.8.75' 90?05' 62A.' .20' .0C : "0' 73' K89A6* 1 20' .@ : 0 ' .20503750 ' 50 : 50609.6' 89' 8".85 ' 86' 97.' 79"@' 4.6' 375C' 6ABB06.6 ' ; A.' 86' <0' C7507?05' : 05=04?0' 4.' CA6.' ; 0' 357C' .20' =4509CE' ?6.89=0 ' 73' .28. ' 79' .20' 8 ; 7?0ECO9.4790D' =749' 73' KA"4A6 ' ; 049B' "4B2.0D' 2050' 840' "4F0<460' =7496' 73' .20' A64.89409' =7"79@' 73' C054.8' M 054D8N ' <24=2' 2@' .2045' B508.' 64C4"4.AD0' =7557 ; 758.0' .246' 7 : 49479* 1 00' *!

.' 8 : : 0856' .28.' .20' #7C896' 97.' 79"@' 496=5420D' =7496 ' ; A.' 050=.0D' 6.8.A06' .7' .20' 57?4D09=0' 73' .20' &7D6' 9' 246' ' 09.4."0D' + ' 0 ' ') ' 6 ' ' M, ' 44* ' :' , [N ' &5A.05 ' 83.05' 746685D' 286' : A ; "4620D' 8' 286E50"403 ' <24=2' 50 : 50609.6' 8' &7DD066' =57<90D' <4.2' "8A50"' 20' 27"D6' 49' 205' 54B2.' 289D' 8' F49D' 73' ; 8.79 ' .20' "03.' 289D' 46' <89.49B' / 8.' 205' 300.' 850' 6009 ' 79' 790' 64D0 ' 8' 2759' 73' : "09.@ ' 89D' 79' .20' 7.205' 8' ; 86F0.' 73' 3"7<056/' 79' .20' ; 860' <0' 508D' # ! ! $

*1 0BA49' 49' 246' F ' ' ++ ' M : ' , N' 286' B4?09' A6' .20' 09B58?49B' 73' 8' ; 08A.43A'' B7"D' =749 ' 79' .20' 7 ; ?0560' 73' <24=2' 46' .20' 208D' 73' 0 : .4C' 0?05A6' <4.2' .20' 0 : 4B58 : 2' * ' #! ' ' 89D' 79' .20' 50?0560' 8' 208D' 64C4"85' .7' .28.' 73' 0DA68 ' <4.2' .20' <75D' (* ! ! 1 9' 5030509=0' .7' .246' 50C85F8 ; "0' C0D8" ' ; 7.2' 0BA49' 89D' 84""89.' =7964D05' 4.' .7' C089 ' 49' 89' 8""0B754=8" 60960 ' .28.' 4905?8' 46' .20' &7DD066' 73' 5AD09=0' 75' 73' # ' <24=2' 46' 49D4=8.0D' ; @' .20' 208D' 73' 0DA68 ' 68=50D' .7' 205 ' 89D' <24=2' 620' ; 750' 833410D5' 4.' .7' 205' .0B46* 1 =F20' ' 8 : : 0856' .7' ; 0' 73' .20' 68C0' 7 : 49479 ' 89D' 503056' .7' 7.205' C0D8"6' 73' 0?05A6' 49' =79345C8.479' .205073*

*' F4 ' *' *' * * 1 9' 8' 3456.' ; 5866' 73' *' A50"4A6*' 246' C0D8" ' 0A"7B4649B' .20' C : 0575' 375' 246' 375064B2.' "! % ' 46' 5850 ' 89D' 4.6' .@ : 0' ?05@' 50G C85F8 ; "0*' 20' C : 0575' 6.89D6' 79' 89' 06.48D0 ' 8DD506649B' 246' 67"D4056*' 20' 580.75489' : 5030=.' 6.89D6' =" 760' ; 0249D' 24C*' 20' .577 : 6' 850' =7CG : 760D' 73' =8?8"5@' 86' <0"*' 86' 49389.5@ ' 86' 46' 620<9' ; @' 37A5' C4"4.85@' 34BA506 ' 89D' ; @' 8' 27560' <2760' 208D' 8 : : 0856' 8C4D6.' .20C* 1 "8?05=8C : " ' 6 ' F % B"0896' .20' 0I : "898G .479' 73' .246' 3490' C0D8"' 357C' 790' 73' .20' 68C0' 0C : 0575L6' M600' :' ' 73' .246' 4=.47985@N ' <24=2 ' <4.2' .20' "0B09D' *' *' =76*' *' 50G : 50609.6L49' .20' .@ : 0' 73' 4.6' 50?0560' .20' 7 ' 75' : 8668B0' 73' .20' C : 0575' <4.2' 246' .577 : 6' 7?05 8' ; 54DB0' 73' ; 78.6*' 6' .20' 75D0549B' 73' ; 54DB06' .7' ; 0' =796.59=.0D' <2090?05' .20@' <050' 900D3A" ' ; 0"79B0D' : 0=A"485"@' .7' .20' + ' 0C7' 73' .20' 504B949B' : 549=0 ' 67' 85=A6' A50"4A6' 46' D0 : 4=.0D' 49' .20' 8=.' 73' 28589BA49B' 246' 67"D4056 ' 79' .20' : 50609.' =749 ' 49' <24=2' 20' <7A"D' 600C' .7' ; 0' 0I275.49B' .20C' B4 89."@' .7' ; 58?0' .20' D89B056' 73' <85 ' 649=0' 79' 246' : 85.' 97' C0896' <050' 90B"0=.0D' .28.' 2AC89' : 5AD09=0' =7A"D' 6ABB06. ' .7' 096A50' 6A==066' .7' .20' #7C89' 85C6*

*' &' "! ' *N 1 ' P 246' "0B09D' 8 : : 0856' 79' 8' 3456.' ; 5866' 73' 759E' C7DA6 ' <4.2' .20' .@ : 0' 73' 8' 624 : ' <2760' .<7' 68' 6' 850' 0I : 89D0D* 1 84""89.*

?09' .28.' C796.05' 73' =5A0".@ ' 89D' 73' ; 5AG .8"4\0D' ?7"A : .A7A69066' 46' 97.' <4.27A.' .20' 246G .754=8" 2797A5' 73' 28?49B ' 8C4D6.' 8' 504B9' 73' 8.57=4.406' 89D' 49D0=09=406 ' ; 009' .20' 8A.275' 73' 89' 06.8 ; "462C09.' 8D?89.8B07A6"@' A603A" 375' .20' 6A : : "@' 73' : 57?464796' .7' #7C0' 89D' .7' .8"@* 1 ' T' 20' 3"00.' 73' "0189D548' M68@6' 50?405 ' SA7.49B' 8C : 54D4A6' 86' 246' 8A.2754.@ N' <86' .20' 8=.=A6.7C0D' ?024="0' 375' =79?0@49B' .24.205' .20' =7C' 73' B@ : .' 7CC7DA6' 0C : "7@0D' 8' 64C4"85' 790' 8.' 85.28B0' 375' .20' .5896 : 75.' 73' B5849' 357C' 354=8 ' 49' 75D05' .28.' 49' =860' 73' 900D ' .20' 790' C4B2.' 6A : : "@' <28.' .20' 7.205' 384"0D' .7' ; 549B' A.' 2050' 8B849' 20' 6 : 74"0D' .246' 508"" @' "8AD8 ; "0' 496.4.A.479 ' ; @' .20' 54D4=A"7A6' ?894.@' <24=2' 20' C49B"0D' <4.2' 4y' 49' =289B49B' .20' 98C0' 73' 85.28B7' 49.7' .28.' 73' ' ' ' 89D' 49' =8A649B' .20' 3"00.' .7' ; 0' =8""04' $ ' $' ' ' ; a' ' =F20"' =7964D056' .246' =749' .7' 50305' .7' .20' 354=89' 3"00.' D06.490D' 375' .20' : A5 : 760' 8 ; 7?0' D06=54 ; 0D' 89D' <24=2' <86' 06.8 ; "4620D' ; @' 7CG C7DA6' 49' .20' @085' 73' #7C0' a ' 9 ' , a , N*

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' &*1 ' <7C89' 6.89D49B' <4.2' .20' :57 ; 76=46' 73' 89' 0"0 : 289.' 79' 205' 208D' 89D' 8.' 205' 300.' 8' "479 ' D46 : "8@6' 8' 646.5AC' 49' 205 "03.' 289D# : : 764.0' 46' 8' 98F0D' DBA50' 73' 05G =A"06 ' <2760' 377.' 46' :"8=0D' 79' .20' :57<' 73' 8' ?0660" ' 89D' <2760' "03.' 289D' 27"D6' 8' ="A ; ' ; 7.2' 34BA506 ' 6@C ; 7"4=8"# 73' 05=A"06' 89D' 354=8 ' 749' 54B2.' 289D6' <4.2' 08=2' 7.205*

246' "0B09D' 89D' .@ : 0 ' 79' 8' "85B0' ; 5866' 73' 7CC7DA6 ' 46' 50B85D0D' ; @' .20' "08590D' 86' 50G 30554 9B' .7' .20' =89' 3"00.' 73' =7C' .5896 : 75.6 ' 8""AD0D' .7' 49' .20' :50=0D49B' =749 ' 89D' <2 4=2' 46' 8"67' ; 0"40?0D' .7' ; 0' 5030550D' .7' 49' 8' C0D8""479' 73' .20' 68C0' 0C : 0575# M 00' ?7 46' % !>"!$ A / ' 20' 0"0 : 689.L6' 208D' .20' 646.5AC ' .20' "479 ' 850' 8..54 ; A.0' :0=A"485' .7' B@ : .' 89D' .7' 354=8' :57 : 05 ' <24=2' <050' .20' B5898540 6' 73' #7C0# A.' 7CC7DA6' 28?49B' 609.' 246' 624 : 6' 375' 3504B2.6' 73' =759' 46' 79' .246' =749' 50 : 50609.0D' : 8@49B' <75624 :' .7' 05=A"06 ' 89D' 20' 24C60"3' : "89.6' 246' 377.' 79' .20' :57<' 73' 790' 73' .20' ?0660"6 ' 86' 43' 620<49B' =850' 375' 246' 90<' =7"79@*

& # *1 <7' 34BA506' 49' .20' .7B8' 6.89D49B ' 790' : 50609.49B' 8' B"7 ; 0' .7' .20' 7.205 ' ; 0.<009' .20C' 46' 8' 5ADD05# 9' 8' 3456.' ; 5866' 73' 4.A6*

6' .20' =749' 79' <24=2' .246' 3490' 246.754=8"# 50?0560' 8 : : 0856' 46' 50=7B9460D' 86' B09A490' ; @' 47990.' 89D' F05C89 ' 8".27AB2' A997.4=0D' ; @' =F20" ' <0' 628""# 2050' 8 : : 09D' 89' 0I : "898.479' 73' .20' .@ : 0' 357C' 8?05=8C : L6' 7CC09.8540 6' 79' .20' 8 ; 490.' 73' %A009' 2546.489/1 T 246' C0D8"# <86' 6.5A=F' 49' : 5846 0' 73' .20' 57?4D09=0 ' 75' 375064B2.' 73' .20' C : 0575 ' .28.' 46' .7' 68@' 73' 4.A6 ' <27' .7' 89942 4"8.0' 38=.4796 ' 89D' .7' : 50?09.' .20' 7==A5509=0' 73' 0?05@' .249B' =8"=A"G 8.0D' .7' D46.A5 ; ' .20' : A ; "4=' .589SA4""4.@ ' 28D' 86 67G =48.0D' 246' ; 57.205' 7C4.489' <4.2' 24C60"3' 49' .20' B7?059C09.' 73' .20' 0C : 450# 75 ' 8==75D49B' .7' A0.794A6' M49' 246' $ ' $' ' =28 : ' 4I*N' ' + + + 0 ' + 9D' .246' 20' D4D' D7A ; ."066' .7' B58.43@' .20' ; 84 2.@' 89D' 8C ; 4.47A6' D46G : 764.479' 73' 7C4.489 ' <27 ' 86' .20' 68C0' <54.05' M4 :' ` ' =# 44*N 68@6 ' 0 ' 7 ') ' ' ' + + ' + ' ' $ ' ' 8 E' 7' D46 : 57?0' .246' 37A'' =285B0' 73' 28?49B' 38"6434 0D' 246' 38.205L6' <4""# <86 ' .20503750 ' .20' :57?4D09.' : 7"4=@ 73' .20' C : 0575 ' ; @' 628549B' .20' 4C : 0548"# 492054.89=0' <4.2' 246' A9<75.2@' ; 57.205# 9D' 8==75D49B"@' 79' .246' C0D8"# 4.A6' 89D' 7C4.489' 850' 50 : 50609.0D

* , 86' .8F49B' 08=2' 7.205' ; @' .20' 289D ' 89D' .7B0.205' 6A : : 75.49B' 8' B"7 ; 0' ") ' ' 73' .20' #7C89' <75"DN ' A9D05' <24=2' 46' :"8=0D' 8' 5ADD05 ' .7' C85F' M.28.' '50=4 : 57=4.@M' .2045' ' =79=75D' 49' .20' B7?059C09.' 73' .20' 6.8.0# 9' .246' =749' <0' 600' 790' 73' .20' .<7' 34BA506' <0854 9B' 8' ' & ' M=75798' 58D48.8N* 1 @' 67C0' 89.4SA8540 6' .246' .@ : 0' 46' D06=54 ; 0D' 86' 50 : 50609.49B' 06 : 86489' D0"4?0549B' 7?05' 8' B"7 ; 0' .7' 246' 679' 4.A6 ' 86' 8' 6@C ; 7"# 73' 09.5A6.49B' 24C' <4.2' .20' C898B0C09.' 73' 6.8.0' 8342456# A.' .246' 6A : : 764G .479' 46' 97.' 27C0' 7A.' 04.205' ; @' .20' =7A9.0989=06' 73' .20' .<7' 34BA506 ' <2402' 850' ; 7.2' .2760' 73' @7A9B' C09 ' 75' ; @' .20' 8664B9C09.' 73' .20' C0D8"# .7' .20' 504B9' 73' 4.A6*

' # # # ' + ' ' ' ' ' ' ' ' 5' + ' 0 ' + ' ' ' + ' ' 0) ' 0$ ' $ ' ! ' 89D' """# " ' / - .' 46' 49' .20' 8 ; 7?0' .05C6' .28.' =F20"# ' ' ' ?7"# ?4# : # [N ' D06=54 ; 06' 8' =749' 73' 8D5489 ' 49' 3456.' 89D' 60=79D' ; 5866 ' 86' 357C' .20' C : 0548"# 8 ; 490.' 8.' 40998 ' ?4*!.20' C8B9434=09.' =7""0=.479' 7?05' .20' 6830' F00 : 49B' 89D' 85589B0C09.' 73' <24=2' .28.' C76.' 8 ; "0' 89D' AD4=47A6' 94A946C8.4=' 89.4SA85@' : 5064D0D* 1 20' 68C0' 50C85F8 ; "0' .@ : 0' 73' .20' #7C89' # $! ! ' 46' B4?09' 49' 89D' =7CC09.0D' 79' 3456.' ; @' 546.89' " ' ; ' .7C# 4# : # >N ' 89D' 83.05<85D6' ; @' 0D5A64' M?7"# ?4# : # HH ' ! - ' A.' 4.' 46' 97.' 49="AD0D' 49' 474C0.L6' 6 ' 975' 49' F05E' C89L6' 8.8"7BA0*

9' .20' D06=54 : .4796' 506 : 0=.4?0"@' C8D0' ; @' 58' 89 ' 0D5A64 ' 89D' =F20" ' .2050' 850' 67C0' C4975' : 749.6' 73' D4330509=0' ' ; A.' 8"" 8B500' 8 ; 7A.' .20' .7B8.0D' 34BA50' 6.89D49B ' <4.2' 54B2.' 289D' 0I G .09D0D' .7<85D6' 89' 08B"0' <24=2' 8 : : 0856' 3"@49B' D7<9' <4.2' 67C0.249B' 49' 246' .8"796' 04.205' 8' ; 589=2' 75' 8' <89D' 75' 6=0 : .50* 1 546.89' M83.05' 7 ; 605?49B' .28.' 9.7947' ABA6.497' 46' <579B' 49' 86=54 ; 49B' .246' C0D8"# .7' 58' 89 ' 89D' 49' 6 : 08F49B' 73' .20' ; 45D' 97.' 86' 89' 08B"0' ; A.' 86' 8' D7?0 N' 68@6 ' T'# ' ' ' ' ' ' ' + =' I ; ' 0 ' =$= =' P' ' + ' ' . ' ' ' ' ' ' ' + ' ' #', + ' ' ' ' '+ = ' ' + ' ' ' + ' - + N' 0' .209' SA7.06' 96.8.4A6' 79' .20' 6A ; 0=.' .7' .20' 0330=.' 73' 620<49B' 4.' .7' ; 0' .28.' &500F' <54.05L6' 7 : 49479 ' .28.' V'.20' 8B"0' 46' .20' 64B9' 73' .20' 57?4D09=0' 89D' .20' 7?0' 73' K9 : 4.05' .7<85D6' C89F49D*U' 246' 600C6' 8' 30"4=4.7A6' 0I : "898.479' 73' 89' 7.205G <460' 7 ; 6=A50' 6A ; 0=.' ' 89D' 6A : : 7649B' .20' B508.' &05C89' C0D8""46.' 97.' .7' 28?0' ; 009' D0=04?0D' ; @' .20' 6 : 0=4C096' 4CC0D48.0"@' A9D05' 246' 7<9' 0@0' .20' =749' 46' 89' 49.0506.49B' 89D' =A547A6' 8D A9=.' .7' .20' "0B09D' 73' # ! $! ' 1 .' C8@' ; 0' 86' <0"" ' 27<0?05' .7' ; 8DD' .28.' 0D5A64' =79G 64D056' .20' 34BA50' .7' ; 0' 97.' .28.' 73' 8D5489 ' ; A.' 73' 89' ABA5o' <27' 6.89D6' 49' .20' 8=.' 73' .8F49B' .20' 8A6 : 4=06 ' 375' 67C0' : A5 : 7606' 73' 6A : 05G 6.4.47A6' 49SA45@' 49.7' 3A.A50' 0?09.6 ' .7' <24=2' .28.' 0C : 0575 ' <86' B508."@' 8DD4=.0D* 1 479' 68@6' .28.' 8D5489' <86' CA=2' 8DD4=.0D' .7' D4?498.479' 89D' .20' A60' 73' C8B4=' 49' 68=50D' (*)*$!% *

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2060' .<7' 34BA506' M68@6 8?05=8C:N' 850' D0G 64B90D' .7' 50:50609.' .20' 098.0' 89D' 05?8*1 20' 50:A;"4=' M75'C750':57:05"@'6:08F49B'.20'4C:0548" C7985=2@N';0B89'.7';508.20'8B849'89D'.7'50=7?05' 357C' .20' 03.0=.6' 73' :86.' =8"8C4.406' 83.05' .20' D08.2' 73' 7C4.489' A9D05' 05?8' .20' 0I=0""09.' :549=0' <27' 6A==00D0D' .28.' =5A0" .@589.* 9'38=.' 05?8' 97.' 79"@' 49' 246' 7<9':05679' 509D050D' B508.' 605?4=06' .7' .20' 6.8.0' ;A.' 8"67' ;@' 246' =274=0' 73' 8' 6A==06675' 86' .20' :A;"4=' 49.0506.' 50SA450D" 8?49B' 97' =24"D' 73' 246' 7<9' 20' 8D7:.0D' ":496' 58 89' <27' 357C' 246' ?45.A06' 89D' B508.' SA8"4.406' <86' C76.' <75.2@' 73' ;049B' 60"0=.0D' 375' 67' B"7547A6' 8' D06.49@* 05?8' <24"6.' "4?49B' .5896C4..0D' .7' 58 89' 8"" .20' 54B2.6' 73' 0C:450' <24=2' 20' 28D' 24C60"3' 50=04?0D' 357C' .20' 6098.0' 375' 05?8' 28D' ;009' =27609' ;@' .20' 6098.0' <27' 28D' :"8=0D' .20' 6A:50C0' :7<05' 49' 246' 289D6' 86' .20' <75.2406.' .7' <24=2' .20@' =7A"D' ;0' =7934D0D* ==75D49B"@' .20' :50609.' C0D8" 46' C8D0' .7' ;085' .20' 496=54:.479' 73'

73' 8=48' 79' ;5866' 73' 24"4:' .20' 0"D05*

8?05=8C:' 49' 246' =7CC09.85' 79' .20' %A009' 73' <0D09L6' =8;490.' 68@6' 49' 5030509=0' .7' .246' =749//1T' 8=48' <86' .20' 60=79D':57?49=0'M 7064B' <86' .20' 3456.N .28.' 6.5A=F' 8' C0D8" 49' 2797A5' 73' 24"4:* .' 46' D8.0D' 73' .20 @085',* 20' .@:0' =79646.6' 73' 8' 34BA50' 6.89D49B' ="7.20D' 83.05' .20' C899905' 73' .20' 8=4896' 89D' 50:50609.49B' .20' B094A6' 73' .28.' :57?49=0* 20' 27"D6' 8' 8=489' 6<75D' 49' .20'54B2.'89D'8'6.89D85D'49'.20'"03.'289D' 79' <24=2' 46' C85F0D' .20' 9AC;05' I444*U' 84""89.' 49' 246' =7"79406' B4?06' 8' C0D8" 73'4 C4"489A6' <4.2' # . * ?44*' 89D' 8' 30C8"0' 34BA50' 27"D49B' 89' 0964B9' C85F0D' I444*'*89D' 8' 9AC;05' ?' ;049B' 49' .20' 340"D' 73' .20' =749* A' 20' 9AC;056' M68@6 8?05=8C:N' 64B943@' .28.' .20' ?0.05896' 73' .20' 343.2' "0B479' =8 0D' 8=0D79489' 89D' 73' .20' .245.009.2' =8""0D' 4 28D' ;009':"8=0D' 49' .20' :57?49=0' 73' 8=48';@' .20' C:0575' 24"4:* 2060' "0B4796' 357C' .20' .4C0' 73' 58 89' <050' 8"C76.' 8"<8@6' 6.8.4790D' 49' .28.' :57?49=0*U

9' 8' C0D8" 73' 58 8996' 0=4A6' B4?09';@' :89204C' 49' 246' 97.06' 79' KA"489L6' T 606856' U' .20' . '# 866AC06' 89' A:54B2.':76.A50' 6.89D49B' <4.2' 54B2.'289D'0"0?8.0D';0.<009' 89' 08B"0' 89D' 8' "479*

. * *1 246 ?86.' 89D' ?05@' 97.0D' :57?49=0' 86' 286' 8"508D@' ;009' 7;605?0D' M:* HH N' =7C:50209D0D' <4.249' 4.6' "4C4.6' 97.' 79"@' .20' C7D0C' 5896@"?8948' (8""8=248' 89D' 7"D8?48';A.' 8"67' :85.' 73' A9B85@* 7<' CA=2' .77' 83.05' 4.6' D085"@' :A5=2860D' 8=SA464.479' ;@' .20' ?4=.7547A6' 85C6' 73' 58 89' 4.' <86' .20' =850' 73' C:0548" #7C0' .7' =4?4"4\0' 89D' 8D759' 4.' 46' 620<9';@'?8547A6'50C8496 73' 4.6' 8=F97<"0DB0D' 4C:75.89=0' 49' 6=A":.A50D' C85;"06' 89D' 496=54;0D' 6.7906' 49':A;"4=' 578D6' 89D' 0D434706' 49' .20' 5A496' 73' 58 89L6';54DB0' 89D' 7.205' C79AC09.6* A.' 8".27AB2' .20' 98C0' 73' 8=48' 89D' .20' C0C75@' 73' 4.6' =79SA06.:850' 50=75D0D' 79' C89@' =7496' 73' #7C89' D40' 6.5A=F' 49' 8"" .20' .2500' C0.8"6' @0.' 4.' D706' 97.' 8::085' .28.' 89@' 73' 4.6' =4.406' 75' D46.54=.6' <050' 8DC4..0D' .7' :85.8F0' 73' =7"7948" 75' CA94=4:8" :54?4"0BO6' 975' .28.' 89@' :40=06' 73' C790@' <050' 6.5A=F' <4.249' .20' :57?49=06' 4.60"3' A9.4" .20' 504B9' 73' 24"4:' 609475' <27' <86' .20' 3456.' 0C:0575' .28.' =289B0D' 4.6' :7"4.4=8" =79G D4.479' 357C' 6A;AB8.479' .7' 3500E=4.4\09624:' 850' B8?0' 4.' 4CCA94.406' <24=2' :"8=0D' 4.6' 4928;4.89.6' 79' 89' 0SA8"4.@' 86' .7' 54B2.6' <4.2' .20' #7C896' .20C60"?06*1 20' C:0548" &500F' :40=06' <24=2' ;085' .20' 98C0' 73' .246' =7A9.5@' 49' &500F' <050' 38;54=8.0D' 0"60<2050' 49' C0C75@' 73' .20' 8D?89G .8B06' <24=2' .20' #7C896' 28D' B8490D' 7?05' .20' 8=4896" T' .' 286' 97.';009':7664;"0U' 68@6" 0994G' " '?7"" 44':", N' T'.7' 86=05.849' :764.4?0"@' .20' :"8=06' <2050' .2760' :40=06' <050' =7490D" " 06.494 86=54;06' .20C' .7' .20' 6"0' 73' 50.0' 89D';0"40?06' .20C' .7' 28?0';009' 6.5A=F' 49' .20' =4.@' 73' 28"8668*U' 0' .246' 27<0?05' 86' 4.' C8@' 4.' <86' 99D05' 24"4:' 609475' .28.' 4.';0B89' .7' A60' 8.49' "0B09D6" 9D' 357C' 97.8.4796' 73' @0856' <24=2' 8::085' 79' .20' 0I05BA0' 73' .2060' =7496' 6A=2' 86' =*' .20' 4930509=0' 600C6' <85589.0D' .28.' 28?49B' ;009' 509D050D' 3500' A9D05' 24"4:' 89D' 8DC4..0D';@' 24C' .7' 62850' 49' .20' 4CCA94.406' 73' .20' - 8 89D' .2A6' .7' ;0':"8=0D' 79' .20' 377.49B' 73' #7C89' =4.4\096' .20' 09.450':57?49=0' 7A.' 73' B58.03A" 50C0C;589=0' 73' ;09034.6' .2050;@' =7930550D' A:79' 4.' 8D7:.0D' .20' :"89' 73' =7C:A.49B' D8.06' 357C' .28.' :0547D' 86' ;049B' .20' 6058' 73' 4.6' "4;058.479* 20' C85F6' 73' @0856' 8:::085' 79' =7496' 73' .20'.<7' 242?:6' 89D' .8=4"48' 8"67' 79' =7496' 73' 0=4A6' .5A6=4 8' 050994A6' 76. 489A6' &8 A6' 7"9E' 648996'5 C4"489A6' 8"0548996'609*'89D'&8""40996' 89D' .20@' ;0B49' 49' .20' @085' 73' #7C0' , > ;049B' .20' 37A5.2' @085' 73' 24"4:' 609475L6' 504B9' 49' <24=2' 86' C8@';0' B8.2050D' 357C' n764CA6' .28.' 0C:0575' 506=A0D' 8=48' 357C' .20' 49=A564796' 73' .20' 85:4*1 9' .20' =7496' 73' 24"4:' 79"@' * 44*' 89D' 49*' 850' 09B58?0D" 9D05' 58 89A6' 0=4A6' .246':57?49=0' 6.5A=F' =7496' <4.2' .20' @0856' 4444*' 89D' *' 896<0549B' .7' .20' @0856' 73' #7C0' , H' 89D' , ' 49' <24=2' "86.' 0=4A6' :054620D*1 2050' 46' 8' C0D8""479' 73' 0I.50C0' 5854.@' 6.5A=F' A9D05' 7"A648996' M86' B4?09';@' 570"4=2' ':* ,H N' <24=2' ;0856' 375' "0B09D' 86' .20' ! $ '3 73' .246' 8=489' C58* 1 20' 90I.' <24=2' 850' 97.0D' 850' .20' @0856' ?4*' 89D' ?44*' 99D05' 50;* &8 A6' 8B500G 49B' <4.2' .20' @0856' 73' .20' 4.@', [' 89D', 49' <24=2' "86.' &8 A6' <86' 6"849*1 A.' 86' 8=48' 49' .20' 68C0' @085' ?44*' 73' 4.6' W058' 496=54;0D' =7496' .7' 76.4"489A6' &8 96' *334C 48996' 89D' &8"E 0996' .20' 38=.' 620<6' .28.' 8' .2060' :549=06' 504B90D' 49' .20' =7A560' 73' .28.' @085/ ?4*' .28.' 76.4"489A6' D40D' 8.' .20' ;0B49949B' 73' .20' @085' 73' .246' C58' .28.' &8 A6' <86' :A.' .7' D08.2' 67C0' C79.26' 83.04<85D6' .28.' 4 C4"489A6' <86' F4""0D' 83.05' .2500' C79.26' C750' "86."@' .28.' 8"05489A6' 89D' &8" 09A6' <050' :57="84C0D' 0C:05756' 8.' .20

=0"0;58.0D' 6.508C' 86' <0"" 86' .20' <75624:' 73' 058:46'357C' B@:.1 .80 4"0' ;049B' 8==75D49B' .7' 85C094D06' .20' KA:4.05' 73' .20' B@:.4896*' 20'4C8B06' 73' 54?056' <050'0I24;4.0D'79' 89=409.' =7496' <4.2' ;085D6' A962759'89D' <4.2' D4620?0""0D' 2845' 86' 49' .20' 496.89=0' 73' .20' 4"0' 4.60"3' 79' B@:.489'C0D8"6* 7596' <050'8::09D0D'.7' .20' 208D6' 73' .2060'0334B406' 86' D097.49B' .20'D4330509.' C7A.26' .257AB2' <24=2' 8' 54?05' D0;7A=20D' 49.7' .20' 608/' 8==75D49B"@' 45B4" =8""6' .20' #2490) a' A.' .20' 4"0' 286' 60?058" 27596' 8664B90D' .7' 4.' ;0=8A60' 4.' <86' 684D' .7' ;589=2' 49.7' 60?09'85C6' 86' 45B4" 24C60"3'649B6'/1

, ' + ' ' 8' + ' '
G,9 '?4*',* *Q

20'=7C9=7:4r'628D7<6'375.2'.20'305.4"4.@' 89D' .20'8;A9D89=0'73'8""' 35A4.6' 73' .20'085.2*Q
' ' ' ' , 1 9'60=79D' 89D'.245D';5866'73'.246'=7"79@' D0D4=8.0D' 49'.20' 3456.' 496.89=0' .7' "8AD4A6' 4.6' 37A9D05' 89D' 83.05<85D6'49'6A==06647 9'.7' 057'89D'.7' 8D5489' .20'.@:0'73' ') ' ' 46'8==7C:89 40D' <4.2'37A5'75'34?0'C4"4.85@'6.89D85D6':"8=0D';0249D' .20'7109* 1 20"0B09D'46'" o'#! o'75'# o ' ' ' # 1 9'8'?05@'5850'89D'3490' "85B0';5866'73' 24"4:'609475' <4.2'.20'"0B09D' =A3334'4' .2050'850'.20'=7"7946.' 89D' 7109';A.'97.'.20'C4"4.85@'0964B96*

L'^ 20'=7"7946.'75'C750':57:05"@'.20':79.433' BA4D49B'8':"7AB2'.08C'73'7109'5030 56'.7'.20' 754B49'89D'89.4SA4.@'73'.20'60.."0C09.* 20' C4"4.85@'0964B96'850'49.57DA=0D':;0=8A60'97.'79"@' =4.4\096'357C'#7C0';A.'?0.0589'6'357C'8"0B479* (050'609.'.7' .7"0C846';@' "8AD4A6*Q

.'46'D7A;.58*" <20.205'.246'C0D8"73' .7"0C846' 286';009'=7550=."@'=7:40D'86'28?49B@4A0'C4"4.85@' 0964B96* 0""0549'286'B4?05.'<7'=7496'73'.246' =7"79@'790'<4.2'.20'208D'73' "8AD4A6'89D'.20' 7.205'<4.2'.20'208D'73' 057*1 9'.20'50?0560' 73'08=2'73'.2060';0249D'.20'=7"7946.'8.':"7AB2' 8::085'$ 'C4"4.85@'6.89D85D6* 9D'79' .20' 6SA850'73'08=2'73'.2060'6.89D85D6'850'6009' =05.849'9AC;056'97.'?464;"0'79' .20'C0D8"6' :A;"4620D';@' 8 "89.* 2060'9AC058"6'620<' .20' 0B4796' <209=0' <050'D583.0D'.20'?0.0589' 67"D4056' <27' <050'609.'.7' # ' .7' 375C' .28.'=7"79@* .'600C6'.28.'4.'46'.20'?4.2'51.2' +4.2'89D' I44.2' 0B4796' <24=2' 850'C85F0D' .205079* 0?05.20"066'8DD6' 0""0549'4.'46' ?05@' :7664;"0'.28.'.20'"86.'.<7'9AC;056' <050' 79"@'+* 89D' I5*' .20'A94.'<24=2'8::8509."@' .05C498.06';7.2'.2760'9AC;056';049B':0528:6' 79"@'.20'"8.5"'490'73'.20'6SA8506'49'<24=2' .20@'850'09="760D*1 BS '.7C* 44* :* I4* 89D' >'<24=2'600'375'89'0I:"898.479'73'.20' ' 73'.2060'=7496*Q

') 1 9'8'3456.';5866'73' 8"05489A6' 6.5A=F'8.' .7"0C846'.20'.@:0'73'.20'50?0560'46' @;0"0' <27' 608.0D';0.<009'.<7'"4796'<2402' 850'8.'205'300.'27"D6'49'205'54B2.'289D'67C0D' .249B'<24=2'5060C;"06'89'49389.'49'6<8DD"49B' ="7.206*'0249D'.20'=2845'73'.20'B7DD066'46'8' =8DA=0A6'<49B0D*100'0""0549'=' 4* + ' I14* 7* ':* H>a*

. ' 1 9'8'5850'60=79D';5866' D0D4=8.0D'.7' 8"05489'.20':07:"0'73'.246'=7"79@'

28?0'6.8C:0D'.20'4C8B0'73'.20'2A9.05EB7DD066' <4.249'8'.0C:"0'73'.<7'=7"AC96'57A9D'<24=2' 850'.20'64B96'73'.20'n7D48=*

^ 246'46'790'73'.20'=7496'6.5A=F';@'.20'04.@' 73' .7"0C846'A9D05' 8"05489'<24"6.'20'<86' 09B8B0D'49'.20' 056489'<85*1 @'.20'.0C:"0' 89D'4.6'4D7"'4.'620<6'.28.' 4898'<86'8D750D'49' SA8"4.@'73' ';@'.20':07:"0'73'.246' =7"79@*1 20.<0"?0'64B96'73'.20'n7D48=' 503055498'.7'86.5797C@'600C6'.7'28?0';009' 49.57DA=0D'49.7'.246'.@:0'49'C0C75@'73'8'6=409=0' 49'<24=2'.2045'M 27094=489N' 89=06.756'<050' 8==75D49B'.7' .58;7'89D' "49@';:50E0C4909."@' 6F4""0D*Q

, + ' ' ;) ?' <4.2'54B2.' 289D' 0"0?8.0D'89D'27"D49B'.20'50496'49'246'"03.'79'8' 60=79D';5866'73' 858=8""8'<4.2'"0B09D'" o ! ' # o !

^ 246'8::0856'49.09D0D'.7'5t=75D'.20'8554?8"' 73'.20'8;7?0'98C0D' C:0575'8.' .7"0C846' 375'20'46'50:50609.0D'86'89'0SA06.5489'89D'49'.20' B85;'73'8':8=434=8.75'A6.'86'=7496'73'#7C89'D40' 0I24;4.'.20'09.5@'73' C:05756'49.7'#7C0'4.60"3*' 246'8"67'8B5006'<4.2'<28.' 057D489A6'50"8.06' 73' 858=8""8L6'8D?09.' 89D'67 7A59'49' @548/ <209'79'246'C4"4.85@'0I:0D4.479'8B849.' 5C0948' 89D'85.248'20'?464.0D' 9.47=2'89D'C76.':57G ;8;"@' .7"0C846'<24=2'46'64.A8.0D';0.<009'.20' 375C05':"8=0'89D' @548*Q

, + ' ' ;) ?*1 9'0I8=."@'64C4"85' .@:0'89D'"0B09D'M.7'.28.'73' 858=8""8L6N 8::0856' 79'8'60=79D';5866';08549B'79'4.6'7;?0560'.20' :75.584.'89D'.4."06'73' "0I89D05' 0?0576*

^ .5A=F'49'=79B58.A"8.479'.7'.28.' C:0575'79' 246'28?49B'D0308.0D'89D'D46:0560D'.20'49?8D49B' *85C406'73' 05648'89D'M86' 8C:54D4A6'.06.43406N' ?89SA4620D'.2045';7<053A"'49B' 5.8I05I06*' 20' 0SA06.5489'34BA50'46'?40<0D';@' 84""89.'86'50G "8.49B'97.'.7' "0I89D05' 0?0576';A.'58.205'.7' 8'6.8.90'58460D'8.' .7"0C846'.7' 858=8""8L6' 2797A5'M89D'50:50609.0D'79'.20':50=0D49B'=749N* 75' "0I89D05'8==75D49B'.7' 057D489A6'.77F' .20'98C0'73' 0?05A6'357C'50?0509=0'375'246' 89=06.75' 0:.4C4A6' 0?05A6'89D'=8""0D'24C60"3' .20'679'73' 858=8"48':57306649B'.7'28?0'<79'246' C89@'.57:2406'73'6A==066'7?05'.20';85;854896' A9D05'.20'8A6:4=06'89D'.A.0"8B0'73'.2760'.<7' C:057560**

! '6.89D49B'="7.20D'49'.20'6.7"8'<4.2' 86'A6A8"'.20'5ADD05'89D'=759A=7:480'79'8'6C8"" ;5866'73' 8D5489*

^ 20'C89@'=7496'73'.246'=7"79@'D0D4=8.0D'.7' 8D5489'83375D'89'49D4=8.479'.28.'67C0'649BA"85' ;09034.'28D';009'=7930550D'@'.28.'CA9434=09.' C:0575'79' .7"0C846* 75.A90'375C6'.20' .@:0'73'.20'50?0560'86'8'B7DD066'<75624::0D';@' .20'4928;4.89.6'73'.20'=4.@'89D'8"67'86'8'38?7A54.0' 7;0=.'73' 8D5489L6'?09058.479*Q

9'89'0"0B89.'60=79D';5866'496=54;0D'.7' 858=8""6'6.89D6' 75.A90'86'D064B98.0D';@'205 8==A6.7C0D'8..54;A.06'89D'V<4.2'.20' '79' V205'208D* 0249D'46'8'6C8"" 34BA50'73' 4=.75@' :"8=0D'79'!=4::.A6'75'=7"AC9'01.09D49B'8'=57<9' 7?05'.20'208D'73'.20'&7DD066*1 2050'46'8'64C4"85' .@:0'73' 75.A90'=57<90D';@' 4=.75@':"8=0D'79' 8'=4::A6'79'8'60=79D';5866'73' 8"05489A6'<4.2' .20'67"0'8DD4.479'73'8' <49B0D'=8DA=0A6'49'.20

K * 1 * * 1 * a

* 1 246 "0B08D' 8 : : 0856 ' <4.2' 8' ?8540.@' 73' .@ : 06 ' 49' 0?05@' C0.8"' 89D' 375C ' 79' =7496 73' 8A6.498' .20' @7A9B05 ' <430' 73' " A50"4A6 ' 89D' 3' A=4""8 ' <430' 73' " 05A_* 1 (20.205' .20' 3' 73' .2060' .<7' : 549=06606' 46' ; 786.0D' 73' 79' .2060' C0D8"6' 80075D49B' .7' .20' =A6.7C' 73' =7445.' 3"8..05@z' 75' <20.205 ' 83.05' .20' C899905' 49' <2402' <0' 27"D' A :' : 549=06 ' 86' <46249B' .7' 20' <28.' .20@' 7AB2.' .7' ;0z' 46' 8' SA06.479' <0' : 506ACO' 97.' .7' D0=4D0* 1 (0' 28?0' 6009' .28.' 0?09' .20' =7496 ' 73' 8D5489' C8F0' 8' ?8A9.' 73' 246' + ' 8' ="84C' .7' =7CC09D8.479' <2+=2' 97' 790' "066' .23C' 20' 28D' 06.82"462=D' 375' 24C60"3* Ÿ ' 4 1 246' 375C' 73' "0B09D' ;@' <2+=2' .20' 8..54 ; A.06' 7 ' D04340D' C7D06.@' 850' C750' ="760"@' 4D09.4340D' <4.2' .2 t' : 05679' 73' .20' C : 5066' .289' .20@' 850' 49' .20' : 50?47A6"@' =4.0D' 496.89=06 ' 8 : : 0856' <4.2' .20' A6A8"' .@ : 0' 73' 8' ?04"0D' <7C89 ' 79' =7496' 73' 5 ; 4898 ' 589S94""498 ' 8B948' 5 ; 4=8" 9D' 8"67 ' ; @' 89' 498 : : 57 : 548.0' 76.09.8.479 ' 43' 97.' ; @' 8' C46.8F0' 73' .20' C790@046 ' .20' 68C0' 50?0560' 46' 37A9D' 79' C0D8"6' 73' &75D489A6 * ' 58 89A6' 0=4A6 ?' 76.4"489A6 ' 7"A6489A6* # 8 ' 75' # 1 9389.6' 73' ; 7.2' 60106' 49' .20' 85C6' 73' 30C8"06 ' 75' 6.89D49B' ; @' .20' 64D0' 73' <7C09 ' 8 : : 085' 79' C89@' =7496' 73' .20' C : 0548"' 605406 ' 06 : 0=48""@' 73' .20' 58 89' 89D' 9.79490' 38C4"406* 1 00' ' ' 75' $ # ' 1 246' .05C' <4""' ; 0' : 0528 : 6' C76.' 64B9434=89."@' 509D050D' ; @' .20' 9B"462' : 25860' T 2854.@' &45"6 U' .20' 7 ; 0=.6' 73' 89' 496.4.A.479' ; @' 9.7949A6' 4A6 ' 49' 2797A5' 73' 246' <430' 8A6.498' 609475 ' 89D' =8""0D' ! ' 83.05' .28.' C : 5066"' <7' *73' .2060' 9# ' ' 850' 6009' 6.89D49B' ; 03750' .20' C6 : 0575' 79' 8' B7"D' C0D8"' 73' 58 89 ' <2+=2' .2A6' =7CC0C758.06' .20' 64B98"' "4 ; 058"4.@' 73' .28.' B508.' : 549=0' 49' =796.4.A.49B' 89D' 8# 4B949B' .257AB27A.' .8"@' : 05C8909.' 3A9D6' 375' .20' C849.84989=0' 89D' 0DA=8.479' 73' D06.4.A.0' =24"D509 ' ; 7.2' B45"6' 89D' ; 7@6* ' *EEE ' 030509=0 286' 8"508D@' ; 009' C8D0' .7' .2060' ; 090?7"09.' 496.4G .A.4796 ' 37A9D0D' ; @' .20' C : 0575' 2E8 89 ' <27'.77F' A9D05' 246' : 57.0=.479' 89D' 6A : : 75.' 6A=2' =24"D509' 86' <050' 75 : 2896 ' 75' 28D' ; 009' D0605.0D' 9.7949A6' 4A6' 37""7<0D' .246' 0I=0""09.' 018C : "0 ' 89D' 49' 2797A5' 73' 246' <430 ' 8A6.498' 609475 ' =8A60D' 8' B508.' 9AC ; 05' 73' : 775' B45"6' 89D' @7A9B' <7C09' .7' ; 0' ; 57AB2.' A : ' 8.' .20' 0I : 0960' 73' .20' 6.8.0' 20' C0C75@' 73' .246' 496.4.A.479 ' <24=2' 503"0=.6' 0SA8" 2797A5' 79' .20' C : 0575' 89D' 79' .20' C : 5066 ' 46' : 50605?0D' 79' C0D8"6' 49' B7"D' 89D' 64"?05+ 1 20 7 ; ?0560' 46' 4960=4 ; 0D' ! ' &' % ! ' 8==7C6 : 89@49B' .20' 208D' 73' 8A6.498"' ! 9' .20' 50?0560' 9.7949A6' 46' 50 : 50609.0D' 64..49B' 79' 89' 06.58D0' 49' .20' 8..4.AD0' 73' 0I.09D49B' 246' 85C6' .7' 8' =24"D' <27C' 790' 73' .20' : 07 : "0' : 50609.6' .7' 24C"' 8A6.498' 28D' : 57C460D' .7' C89@' D46.50660D' : 056 6796' .28.' 620' <7A"D' .8F0' =850' 73' .2045' =24"D509L6 0DA=8.479' 89D' 3A.A50' 49.0506.6 ' 620' 28D' 0?09' B4?09' .2060' A9375.A98.0' 49389.8' 205' 7<9' 98C0' 86' 8' 3A5.205' 866A589=0' 73' 205' B09057A6' 49.09.4796' 49' .2045' ;028"3' 86' <0' : 05=04?0' ; @' W.20' "0B09D' 73' # ' 8A6.49489 r" .' 600C6' 0?4D09.' 27<G 0?05' .28.' .246' 496.4.A.479' <86' 97.' =894"0D' 49.7' ¥0330=.' A9.4"' 83.05' 205' D08.2' 86' <0"" 357C' .20' <75D ' <2+=2' 8997A9=06' .28.' 8A6.498' 28D' 8"508D@' 50=04?0D' .20' 2797A56' 73' .20' : 7.207646 1 86' 357C' .28.' : 8668B0' 49' KA"4A6' 8 : 4.7"49A6 ' <2+=2' 68@6 T' 9.7949A6' 8 : : 57 : 548.0D' 8' 3A9D' 375' .20' 9A5.A50' 73' 8' 9AC ; 05' 73' B45"6' <27C' 20' =8""0D' ! ' 49' 2797A5' 73' 8A6.498*U 1 .' 46' 8"67' 684D' .28.' 85=A6' A50"4A6' 375C0D' 8' 64C4"85' 06.8 ; "462G C09.' 49' =7C : "4C09.' .7' 246' <430 ' .20' @7A9B05' 8A6.498* 7' 8' 64C4"85' 496.4.A.479' 375' .20' =24"D509' 73' =4.4\096 ' <27' M8==75D49B' .7' "49@' .20' @7A9B05N' <050' 97A54620D' 89D' : 57?4D0D' 375 ' 8.' .20' : A ; "4=' =76. ' A9D05' 9.7949A6' 4A6 ' 8' ; 579\0' C0D8""479' 46' =7964D050D' .7' 50305 ' 79' <2+=2' 6.89D6' 8' 30C8"0' 34BA50 ' 27"D49B' 8' MD44"D' BAD' 8' B"7 ; 0 ' 89D' 28?49B' 8.' 205' 300.' .<7' =24"D509 ' <4.2' .20' 496=54 : .479' ' ' =76"' EEE 00' # ' 75' # ' M600' $ % 1 24"D509' 8.' .20' ; 5086. ' 75' 49' .20' 85C6 ' 75' 8.' .20' 300.' 73' .2045' C7.205' 850' 6009' 79' ?8547A6' =7496' 73' .20' C : 0548"' 605406 1 6A=2' 86' 73' A=4""8 ' K'A"48' 7C98 ' 8A6.498 ' .8=4"48 ' 5 ; 4=8 ' <4.2' 0 : 4B58 : 26' 73' # " ! ' ' 89D' % % ' o "! ' ' 98F0D' ; 7@' 64.6' 79' 8' B"7 ; 0 ' ; 0.<009' 60?09' 6.856' M.20' % 79' 8' D09854A6' 73' 7C4.48 ' <430' 73' 7C4.489 ' 49' C0C75@' 73' 8' 679' .20@' 28D' "76.' 00' 4<6' ' ' % ' ' ; 7@' 64..49B' 79' 8' B78. ' <4.2' .20' 0 : 4B58 : 2' ! ' ' 89D' 897.205' 608.0D' 79' .20' 68C0' 894C8"' <4.2' "0B09D' 73' "7?4' 3 % ' 8 : : 085' ?79' =7496' 73' &8 409A6' 8"7949A6 ' 89D' 8"05489A6' A9* 1 00' ! ' - ' ' ' + # ' 1 ' <49B0D' ; 7@' M600' A : 4D7N' 8 : G : 0856' 49' .20' 8508' 73' 8' =749' 73' .20' - ' 38C4"@ ' 89D' 46' 608.0D' 79' 8' B78.' 49' 8' D09854A6' 73' .20' 68C0' 38C4"@* 1 00' - # 1 ' ; 7@' 86' .20' 64B9' 73' ! ' 75' 73' A==066479 ' 8 : : 0856' 79' C0D8"6' 73' .20' 8A6.4986 ' A=4""8 ' 546 : 498 ' 7C98 ' 6068 ' SA4"48 8C608 ' 5 ; 4898 ' .5A6=4""8 ' 89D' 7.205' 1 20' 68C0' 34BA50' 46' 89' 49D0I' 73' 854.86 ' 79' =7496' 73' 8D5489 ' 858=8""8 ' "8B8 ; 8"A6 ' 0.54=A6' # ' 1 7A5' ; 7@6 ' <4.2' .20' 8..54G ; A.06' 73' .20' 6086796' 73' .20' @085 ' 79' 3456.' ; 5866' 73' 7CC7DA6 ' 858=8""8 ' 89D' 7.205' C : 05756 * 89D' ; 9' 8' 6C8"" ; 5866' 73' 858A64A6*EEE 00 ' ! # + 1 20' 34BA50' 73' .<7' D8BB056 ' 75' : 74B985D6 ' <4.2' .20' + ' 75' =8 :' 73' "4 ; 05.@ ' 8 : : 085' 79' =7496' 73' 5A.A6* 1 00' ! ' * # 1 20' =7C ; 8.' 73' 8' "479' <4.2' 8' 6.8B ' 79' 8' 64"?05' =749' 73' .20' # ' 38C4"@ ' 46' 50B85D0D' 86' 8""A64?0' .7' 67C0' =0"0 ; 58.479' 73' .20' 60=A"85' B8C06' " ' % # ' "% ' D8AB2.05' 73' .20' C : 0575' 5=8D4A6 ' 646.05' 73' 207D764A6' .20' 60=79D' 89D' .20' <430' 73' 85=48976 ' <86' ; 7C' 8.' 796.89.4G 97 : "0' 9 ' HaaN"' ? 246' : 549=066' <86' 8667=48.0D' 49' .20' 4C : 0548"' B7?058C0A.' ; @' 205' ; 57.205' 357C' <27C' 620' 50=04?0D' .20' 589F' 89D' .4."0' 73' ' 9 ' , N" A"=20548L6' 246.754=8"' =2858=.05' 46' .28.' 73' 8' <7C89 ' 86' ?45.A7A6' 86' 620' <86' ; 08A.4344" ' 97' "066' D46.49BA4620D' 375' =2854.@' 89D' ; 09034=09=0' .289' 375' 6<00.9066' 73' .0C : 05' 89D' 8338 ; 4"4.@' 73' C899056" 28.' 205' : 40.@ ' 27<0?05' : 85.77F' 73' .20' 86=0.4=' .849.' 73' .20' 8B0' 49' <24=2' 620' "4?0D' 46' 6.579B"@' 49D4=8.0D' ; @' .20' A9=79 AB8"' =79D4.479

M009A' 8B500D' 79' 8"" 289D6' .28.' .20' # ' $') '& ' CA=2' 350SA09.0D ' 86' 8' 675.' 73'0I=289B0 ' 2@' .20' =7CC05=48" 89D' ; 89F49B'="86606' 73' #7C0" 1 00'F) ' 0 :89204C' "# ' 44*' :" , aN' =79.09D6' .28.' .20' # ') '75'F) ' 7AB2.' 97.' .7' 20' =79G 37A9D0D' <4.2' .20'790'=796.5A=. '49'.20' ' .7' <24=2' 4=057' 503056*

20' 7; 0=.' 50:50609.0D' 79' C0D8"6' 73' .20' '89D' F) ' 38C4"406" "77F6' C750' "4F0' 89' 8".85' 8D7590D' <4.2' 6=A": .A50D' 3"7<056' .289' .20' .54; A98"" 75' 608.' 73' 8' :560.75" A.' .20' <27"0' C8..05' 50C8496' 4957"?0D' 49' 7; 6=A54.@ ' 89D' 46' .77' CA=2' 8667=48.0D' <4.2' 38; A"7A6' 246.75@ '£89D' .77' "4.."0' <4.2' 0?09.6' 73' 89@' 4C:75.89=0 ' .7' 50:8@' 75' .7' D0605?0' .20' "08590D' 506085=206' 89D' =79 0=.A506' <24=2' 28?0' ; 009' ; 06.7<0D' 79' 4.*

%E

246"0..05' M.20' 64I.009.2' 73' .20' 8.49' 8": 28; 0.N' ; @' 4.60"3' 64B94304 / : ' 75' / ' 75' / ' 75' / 0 ' 75' / ' ; 0=8A60' %" 46' 67C0.4C06' : A.' 375' =" 79' 085"@' D098544 ' 86' % " 375' " 49' .20' ' 38C4"@*

%" 75' % " / 0 1 AAC?45' 75 %A8.A75?45' %A49SA0998"46 ' 8' C8B46.58.0' : 0=A"485' .7' 67C0' #7C89' =7"79406 ' 67' =8""0D' ; 0=8A60' .20' .05C' 73' 246' B7?059C09.' <86' "4C4.0D' .7' 34?0' @0856*" <7' 75' 37A5' 83' .2060' C8B46.58.06' <050' 0"0=.0D' 8==75D49B' .7' .20' 64\0' 73' .20' =7"7948" (/: 0 ' <86' 8"67" .20' 98C0' 73' .20' #7C89' =0967564 * <27' 0105=460D' .2045' 7334=0' 375' 34?0' @0856*

%" " / ' ' 1 8C0' 73' 8' C89* %" " " " " / ' ' ' ' # ' + 1 00' 246' 494.48"6' 8C79B' .20' D09854" 73' .20' 00=4"48' 38C4 * 1 2060' 850' .20" :5097C09 ' 6A598C0 ' 89D' SA8"4.406' 73' / ' ' F + ' <27' 605?0D' 86' 796A" ?*=" ' 89D' <86' 8' =79.0C:7585@' 73' 7C:0@' .20' &508.* 0' <86' .20' 98.A58" 679' 73' " 7590"4A6' =4:47' 864=8 ' ; A.' 8D7:.0D' ; @' %" 0.0""96 4A6' 79.4301' 8I4CA6

%" " / ' . 1 20'%9C6.75' "0=.*

%" #" #" " " " " / ' ; ' ' ' ') ' '

%* " / 1 9097C0989D98C0*

%" " " " 05' " / ' 1 ' M0.N' ' ' !) 1 5097C09' 89D' 98C0' 506:0=.4?0"@' 73' .<7' C09*

%" " / ' # ' 75' # ' 75' # 1 %AC6.75' 73' .20' 5.0.75 ' 75' 73 9 ' V

%' #" #" %" #" " / ' # + ' ') ' M0.N' / ' '

%" # *" / '# 1 20'%A006.75' 73' .20' 57?49=0*

%" # " " 75 " / '# * 1 ' 20' 57=796A"L6' %A606.75*

%%" / 0 1 j j"" 9" / 0 ' ' 1 %A49S909846' 375' .20' 60=79D' .4C0* % " / 1 20' 37A5.2' : 85.' 73' 8' #7C89' ' .28.' 46' .7' 68@' .2500' 1 00' % " / 1 8C0' 73' 8' C89*

% # & " , / 1 E' 98.479' 75' .54; 0' 375C05"@' 4928; 4.G 49B' .28.' : 85.' 73' 4A7:0' 97<' =8""0D' 720C48 ' 86' .20' ' 7==A:40D' .20' C7D0C' 758?48 ' 89D' .20' =7A9.5@' ; 75D0549B' A:79' A6.548" / ' 8==0:.0D' F49B6' 8.' .20' 289D6' 73' .20E #DC89' C:05756 ' 89D' 350SA09.' C09.479' 46' C8D0' 73' .20C' 49' .20' 8998"6' 73' .20' 504B9' 73' 85=A6' A50"4A6*

% * 1 00' * 6' S? 46' % # ' * 1 00' + ' 0

% # & ' $ 7' # " " " A' 60=79D' ; 5866' 73' &8"; 8' 75' 79' 7.2056* % # & " " " M3456.' 89D' 60=79D' ; 5866N' e75' % # & ' # * ' 75' + + + x' * ' <4.2' .@:06' 73' 8' .54AC:28"" 85=2* 1 2060' "0B09D6' 50305' .7' .20' 50C466479' C8D0' ; @' .20' C:0575' 8; 7?0' 98C0D ' 04.205' 73' 8' .8I' = 0D' .20' 375.40.2 ' 75' 73' .20' 375.40.2' : 85.' 73' =05.849' 4C:76.6*

=F20"L6' 50C85F6' 79' .246' 6A; 0=.' 850' 49' 6A; G 6.89=0' 86'37""7<6 1 28.' &8"; 8'<86'A96086798; "@ :8564C7947A6' 46' .20' =79=A5509.' 83345C8.479' 73' 8"" 246.754896 1 .28.' .2050' <86' 27<0?05' 89' 7==86479' 49' <24=2' 20' 627<0D' 67C0' "4.."0" "4; 058"4.@' 73' D46:764.479' 89D' D7A; ."066' 4CC0D48.0"@' 79' 246' 8==066479' .7' .20'0C:450'375'.20' 68F0' 73' =79=4"48.49B' :A; "4=' 38?7A5' 46' :57?0D' ; @' .2060' C0D8"6' <24=2' :57="84C' 8' ; 09034.' =79=0D0D' 79' 246' : 85.' .7' .20' :07:"0' 8C7A9.49B' .7' .20' 50C466479' 75' 8.' "086.' .20' 50DA=.479' 73' 8' .8I' "0 ' 7' 7' .246' C8@' ; 0' 8DD0D' .20' .06.4C79@' B4?09' ; @' 4C:"4=8.479' 49' .28.' : 8668B0' 3 A0.794A6' 6.8.49B' .28.' 06:86489' 5049375=0D' .20' 346=8" ; A5.209' 50C4..0D' A9D05' &8"; 8' " ')' 4) ' ' % N 1 (28.' <86' .20' 98.A50' 73' .20' 0 ' 89D' <20.205' .20' 8; 7"4.479' 73' .246' .8I' <86' .20' 8=.' 73' &8"; 8 1 375' .2050' 850' 67C0' <27' 357C' <28.' 8=4.A6' 286' <54..09' 8664B9' .246' ; 779' .7' 057 1 850' : 749.6' <24=2' .20' "08590D' D7' 97.' 600C' .7' 28?0' 86=05.8490D' 8".27AB2' 4.' <74 D' 8: :085'.28.' .20' "8<' 8""AD0D' .7' 86' 28?49B' ; 009' 50:08"0D' 49' .246' 496.89=0' <86' 790' ; @' <24=2' .20' 375.40.2' : 85.' 73' .20' :57:05.@' 73' 49D4?4DA8"6' <86' 50SA450D' .7' ; 0' ; 57AB2.' 49.7' .20' :A; "4=' .5086A5@*

/ 1 2500' B"7; A"06' 850' .20' =05.849' .7F09' 73' .20' / ' 75' 73' .20' ' D4?4D0D' 49.7' 37A5' :85.6 ' 89D' .20' 208D' 73' 05=A"06' 46' .20' 0SA8""@ 6A50' .@:0*

/ 1 20' ; 5866' =749' 67' =8""0D' ; 8D' 4.6' 98420' 357C' 8' C85F' 73' .2500' B"7; A"06' 754B498""@' D097.49B' .2500' ' <24"6.' .20' ' <04B20D' 8' :7A9D' ") % ' ; A.' 49' .20' 60=79D' A94=' <85' 4.' <86' 50DA=0D' .7' 790' ' / ' 1 20' C85F' 73' .20' 0 ' 98C0"@' .2500' B"7; A"06' 6.5A=F' 79' 08=2' 64D0' 73' .20' =749' 89D' 49D4=8.49B' 4.6' : 54=0' 46' .7' ; 0' 6009' 79' =7496' 73' C89@' #7C89' 38C4"406" 9' .20' 7; ?0560' 73' .246' C790@' 8: :0856' 04.205' .20' 208D' 73' 05=A"06' =7?050D' <4.2' .20' 6:74"6' 73' .20' "479' 86' 49' ; A548' 89D' =4"48' =* ' 75' .20' 208D' 73' 05=A5@' 86' 49' 8; 54948' 75' .20' 208D' 73' #7C0' 20"C0.0D' 86' 49' .20' : A"048' 89D' 7.205' 38C4"406' 79' .20' 50?0560' 73' .2060' 085"@' ; 5866' =7496' 73' #7C0' .20' 50:50G 609.8.479' 73' 8' 624:' 46' .7' ; 0' 7; 605?0D' <209=0' .2045' 8: :0""8.479' 73' ' 1 00'

' ' %) # *#

h ' .7' D7' <4.2' .20'S .06.75624 : ' #4B2."@' .246 ' .28.' .2760' .249B6' <050' :50605?0D' 49' .20.09 : "0' 73' 8.A59 ' 8664B90D' .7' .20' =850' 73' .20' S9m6.75w# 246' 46' 0I :5066"@' 6.8.0D' ;@' 4?@# 9D' .2A6' <0' 28?0' 8' ="085' 0I D898.479' 7{' .20' 78A60' <2@' .20' %4A06.75' 054A6' :"8=0D' .20' 208D' S3' 8.A59' 89D' .20# C4"4.85@' 6.89D85D6' 79' 246' D09854A6# 9v' C750' 38=.' ' 49.0506.' C8@' ;0' B8.2050D' 9' 50305G 09=0' .7' .4C0# 57C' .20' 98C06' ;3' .20' =7969"6' # 0A.A"96' 2%,' # 85=0""A6' ;049B' 49 54;kD' 79' .246' D0985496' 4.' 46' C894306.' .2 .' 4.' <86' 6.CAF' # 49' .2:' @085' 73' #7C0' [E E.28"# @085' 49' <24=2' KA"4A6' r685' 08B05' .7' :766066' 24C60"3' 73' .20' :A;"4=' C790@' ;57F0' jv.9' 89D' :"A9D050D' .20' .5086A5@' ' # 0.0""A6' .54;A90' 73' .20' :07:"0' <27' 09D08?7A50D' .7' D0309D' .20' 68=5vD' <5w".2' 73' .20' 50:A;"4=' ;@' 7::7649B' 246X:05679' .7' .20' ?47"09=0' 73' 60685';049B' D54?09' 357C' 246' :76.' .257AB2' 3085' 73' D08.2# .' .20503750' :"0860D' .20' %Ar6.75' 054A6' <27' .7B0.205' <4.2' .20' =796;"6 28D' "03.' .20' =4.@' 357C' D508D' 73' r685L6' :7<05' 89D' ?09B089=0' .7' 49605.' 79' .246' C0D8"# M375' .20' :A5G :760' 73' 49=508649B' :7:A"85' 28.50D' qB8496.' .20' :05:0.58.75' 73' 6A=2' 68=54"0BO\' .20' 208D' 73' 8.A59' <2760' ?05@' D4?494.@' 28D' ;@' 375=0' ;009' ?47"8.0D*U / ' # 1 20' SAm6.756' 73' :57?49=06' 8==7C:8940D' .20' :57=796A"8' 89D' :57ER :580.756' .7' .20' 8::749.0D' 608.6' 73' :57?49=48"# B7?059C09.' 86' 6A:0549.09D09.6' 7?05' .28.' D0:85.C09.' .257AB2' <24=2' :57?464796' 89D' C790@' <050' 6A::"40D' .7' .20' 67"' 4056 1 75' M49' C7D0C' :258607"7B@' .7' 0I :5066' 4.\' 86' 208D6' 73' .20' ' 3' 4.' 28::090D' .28.' 8' B7?05975' "03.' 246' :57?49=0' ;03750' .20' 8554?8"# 73' 246' 6A==06675' .20' SAr6.75' :05375C0D' 246' 3A9=.4796' DA549B' .20' 49.05?8"# 9D05'69=2' =4O' =AC6.8A=06' .20' SAr6.75' <86' =8""0D' / | '# ' + q ' M86' 496=54;0D' C85;"06' 627<\' 75' / | ' # ' 86' 46' 508D' 79' 8' D09854A6' MSA7.0D' ;@' 4 :89204C\' # 69I44?6*' = ' = ' #3 " 1' %Ar6.756' <09.' 7A.' 357C' #7C0' .7' .20' :57?49=06' ;@' 8A.2754.@' 73' 8' 6098.06' =7969".AC' ' 89D' <209' C790@' <86' 6.58=F' 49' .2760' :57?49=06' T'.2050' 46' 97' D7A;.' M68@6' =F20"\' ;A.' .28.' .20' =850' 89D' C86.056"D:' 73' .20' :57?49=48"# C49.' D0??"?0D' 79' .20' SAm6.756*# 20' <75D6' 73' 4=057' " ' + + ' ' # -' 0I :5066"@' =79345C6' .246' 38=.' .28.' .20' 68C0' F49D' 73' 605?4=06' <050' :05375C0D' ;@' .20' 0 + '.28.'=796.4.A.0D' .20' DA.406' 73' .20' C790.8"# .54AC?456' 8.' #7C0*# 75' 04.205' .20@' 496=54;0D' .2045' 98C06' 8"790' 75' .2760' 73' .20' :57=796A"# 5m.75' <54.2' <27C' .20@' <050' 609.' .7' .20' :57?49=0 # 75' .20' 98C0' 73' .20' SAr6.75' <86' 7490D' .7' .28.' 73' .20' :57=796A"*# 3' .246' 89' 018C:"0' 46' 733050D' 79' =7496' 73' .20' ' 38C4"@' 79' 790' 64D0' 73' <24=2' 8::0856' =*# 4?6' 6*' 9' .20' 7.205' S*' S?4 "*# / | aI 20' 095840' =2845' <86' 97.' 49="AD0D' 8C79B6.' .20' :54?4"0BOD' D46.49=.4796' 73' .20' SAr6.75' A9"066' .20' 49D4?4DA8"#24C60"3' 28D' ;009' :57=7969"* 1 20@' 28D' .20' 386=06' 89D' 49D00D' .20' "4=.756' 49' .20' :57G ?49=06' 2A.' <4.27A.' .20' 8106*# 84""89.' 49' 246' ' ' 620<6'.20'0 | '+ '79'=7496' 73' .20' 9.7948' 38C4"@ 1 8"67' 89' 0I8C:"0' 73' .<7' SAm6.756' A9D05' 790' 89D' .20' 68C0' :57=7969"*# 85.' 73' .20' SAr6.75L6' 734=0' <86' .20' 4C:75.8.479 % # *1 % ' ' ## * 73' <208.' 357C' .20' =759EB57<49B' :57?49=06' .7' #7C0' 89D' 7.205' :85.6' 73' .8"@* % #*# / 1 6' ' (' 796A"# 375' .20' 37A5.2' .4C0* % # ' " % 1 57="84C0D' 9":0575' 49' &05C89@' DA549B' .20' 504B9' 73' 8I4C49A6' 89D' 6"849' 6275."@' 83.05' 246' 866AC:.479' 73' .20' :A5:"0*# 7' .246' :056798B0' 286' ;009' 8..54;A.0D' 8' D09854A6' 73' ;860' 64"?05' ;08549B' 79' 790' 64D0' 4?7' ' 89D' 79' 4.6' 50?056O' " " ! ' .' 46' 27<0?05' 68@6' =F20"' 6A334=409."@' 0?4D09.' .28.' .20' =749' 49' SA06.479' 46' 790' 50305549B' .7' 4.A6' 0@N86489' 89D' 46' 73' .20' 9AC;05' 73' .2760' <24=2' 8;7A.' .20' .4C0' 73' 50;79489A6' &8""A6' <050' 6.5A=F' 49' 2797A5' 73' .20' C0C75@' 73' 0 ' 006856*# 057D489A6' =8""6' .20' A6A5:05' / ' 0D47;85;A6' <27' 286' 09B58?0D' .20' =749' 98C06' 24C' / ' 89D' C8F06' .20' 6.589B0' C46.8F0' 73' 86=54;49B' 4.' .7' 89' 0:20C058"# .@589.' <2760' ' 46' 97.' C09.4790D' 49' .20' 496=54:.479' 89D' <2760' + ' 46' 6=85=0"@' 86=05.8490D' 67C0' <54.056' =8""49B' 24C' @5A6' 7.2056' 4.A6* / ' 1 7A5' 749.' C86.056' 73' .20' #7C89' C49.' 8::749.0D' ;@' KA"4A6' 80685' <27' M8==75D49B' .7' A0.794A6N' 28D' 49=50860D' .20' 9AC;05' 73' .20' 49305475' C8B46.58.06' 89D' 8DD0D' 790' .7' .28.' 73' .20' C790.85@' .54AC?456*# ==75DG 49B"@' A9D05' .20' 6A:50C0' .54AC?458.0' 73' 0:4DA6' 9.79@' 89D' =.8?48AA6' <0' 349D' *' #4*# 496=54;0D' 79' .20' D0985544' 73' * C4"4A6' A=8' *# "7D4A6' *# "8C494A6' 4?490496' #0B8496' 854D489A6' 89D' 7.2056*1 00' 1 ' ' =7CC79"@' =8""0D' .20' =4?4=' =57<9*# A=2' 8' =57<9' 73' 78F' "08?06' <86' B589.0D' .7' 24C' <27' 68?0D' 8' =4.4\09' 86' 790' 73' "8A50"# <86' 8<85D0D' .7' .20' ?4=.75' 49' ;8.."0 1 20' ' 0 ' <86' 733050D' ;@' .20' =A5A"0' 0D4"06' .7' KA:4.05' 86' .7' .20' 6A:50C0' :50605?05' 3' .20' =4.4\096' :50?47A6' .7' .20' =0"0;58.479' 73' .20' B8C06' 89D' <24"6.' 68=50D' 54.06' <050' :84D' .7' 24C' 49' .20' 8:4.7"# 03750' .20' D7756' 73' ABA6.A6L6' 27A60' 79' .20' 8"8.490' 24"" ' =57<96' 73' 78F' <050' 5090<0D' @085"@' 49' .20' F8"09D6' 73' 85=2' ;0=8A60' 20' <86' 49' .20' "89BA8B0' 73' #7C89' 3"8..05@' A+ + ' ' ' $' ' aI 1 00' ' / 1 20' 78F' .500' <86' <4.2' .20' 89=409.6' 20"D' 68=40D' .7' - + ' .' <86' 8"67' =7960=58.0D' .7' - % ' &&# 75' & # # 20' 506.' 75' 50:760' 73' .20' C:05756* 1 246' "0B09D' 04.205' 8;;50?48.0D' 75' 8.' 3A""# "09B.2' M<4.2' .20' 8==7C:89@49B' .@:0' 73' 8' <7C89' 49' .20' 6.7"8' <4.2' 8' "8A50"# ;589=2' 49' 790' 289D' 89D' .20' ' + ' 49' .20' 7.205N' 8::0856' 79' =7496' 73' 47="0.489' 89D' 8"# 8I4C489A6' 6.5A=F' 83.05' .2045' 8;D4=8.479' 73' .20' C:450# T' 3.05' 28?49B' :576:057A6"@' B7?0590D' .20' 0C:450' 375' .20' :0547D' 73' .<09.@' "79B' @0856' M68@6 85DA49N' .20' / ' 0 ' M;@' .20' ?7"A9.85@' 5064B98.479' 73' .2045' 4C:0548"# :7<05' 89D' 50.450C09.' 49.7' :54?8.0' "430N' 46' 2050' 50=75D0D' 86' 8' 6A;0=.' 73' =7CC09D8G .479*U % ' ' ## ' ' % ' ' * 1 9' .20' 50?0560' 73' 8' .245D' ;5866' =749' ' ' :A;"4620D' ;@' 0.05' 0BA49

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&2'/ *'(! (*'!4 ' :)!/ *)' "2#, #'/ *' *(!%, '/!!'' / *' / /"*' !4 #-# /#' & (' / *' "*- !%' !4 /2";' :,' 2((" 2$2/ !% 2,' :* /!&*,' #+!% $' 2%,' & (' / *' *%2/*' 4)! $' 2 - ' !+ % !% !4 ')> /#* ')*2, ";' (!%4) $*,' /!' $' 9 W]D' %' / *' $*2%/ $*' !&* *)' #)*(" 2% &2' +)!("2 $*,' $> +*)!)' :,' / *' 2))2;' / 2/ &2' 2/)$ #$' @H2%%!% 2D' %,' [#%/ ""# '4 %, %-' $ *'4 2: $,!%(,' :,' / *' !", *,' & !' 2,'<# /*"*(/*,' $' :#/!' & !$'/ *') -!)' !4 ' $ "> /2),', (+" %*' &2' #%&*"(!$*' (2# *,' ' *%' /!' :*' !+*%*,' 2%,' / #' /*) $ %2/*,' ' "4*' % / *' (/;' !4 !#"* 2' H! * *,' !4/ *' $!,*)2> / !%2%,' %/*-) /;' & (', /%-# *,' "2#, #' !/ (# ' *' &2' ,*4 (*%/' %' / 2/ 4) $%* ' 2%,' *%/*)+) *' & (' 2" !' (2)2(/*) *,' / 2/ -)*2/ +) %(*' !/ *) & *' *'&!#",' 2 *' :**%'&*"" &!)/ ;' /!' !((#+;' / *' $+*) 2*' /) !%*' 1'9 ! /' !4/ *' 2%(*%/' &) /*) ' @ 2;' (' *"D' 2-)**' %' $ / %-' / *' ,#)2/ !% !4 ')* -% /!' / *' !)/ +*) !,' !4 * *%/*%% ,2;' ' #/' 4)! $' / *' 2:#%,2%/*' !4 ' (! %' 2%,' / *')*$2) '2:"*' 2) */;' !4/ *)' /;+* ' / *' &!) ' $2% +' !4 & (' &! , ,')*!#)*' $!)*' / $*' / *' !+ % !%*G+)* *,' :,' 7!. $#' **$ ' / *' $! /*)! :2:"*' / 2/ 2/ "*2 /' !$*' $!%/ ' $# / 2 *'"2+ *,' :*/&**% '2((* !% 2%,' ',*2/ ' LC *' '%#$ $2/ (2"",' /;"*,' ! # ' " ' ' ' "O' S?4 4 =?6*' +' ' &*L ' -R,' (! %' 2)*' !4 / *' - *' /,*-)**' !4) 2) /;' *)*2)*' %!*' " *)' %*' :)2 ' $*,2"" !% ' '%!&%'),' :)2 ' 2)*' (!$$!% L *)*' 2)*' ' B ' / ' $+*)!)' %, (2/ %-' / *' !%!#)' !4 / *?2+!/ *!' & ('&*)*' %2"*+)!:2:"/;')*%,*)*,' /!' ' $*$!);' /)!#- ' ? *' %/*) *%/ !% !4 #)*" 2%

)* 1 9' 8' D09854A6' 73' .20' 8;48' 38C4"@' <0' 349D' .246' <54..09' 79' 8' 624DD' .7' .20" "03.' 73' 8' 64..49B' 34BA50' ;0"C0.0D' 50:50609.49B' #7C0' 89D' 27"D49B' 49' 205'54B2.' 289D' .20' ;79.434=48=" + ' <4.2' .20' 37""7<49B' 496=54:.479' + # & , ' !) '# 1 5649' 84""89.' 89D' :89204C' 28?0' 8="" .2500' 49.05:50.0D' .20' 496=54:G .479') * O7?9 .20' 6240"D' ;@' 508D49B' 4.' % K#" 444' 89D' 28?0' 0I:50660D' .2045' ;0"403.28.' %A4549A6' M75' .20' D04340D' #7CA"A6N' 24C60"3' 46' 0I24;4.0D';@' .20' .@:0' 73' .20' 608.0D' 34BA50*' T A.*' M68@6' =F20"N' .20' =7496' <209' 8==A58.0"@' 496:0=.0D' ="085"@' 50:50609.' .20' 375C' 73' 8' <7C89*' 064D06' <24=2' 4.' 8:.0856' .28.' / ' <86' A6A8""@' 50:50609.0D' <4.2' 8' 3"7<49B' ;085D' 86' C8@' ;0' 6009' 79' 8' D09854A6' 73' .20' 0CC48'38C4"@*' 75' <24=2' 508679' 86' 8?05=8C:'54B2."@' 7;605?06' .20' 34BA50' 79' .20' =749' 73' 8;4A6' 46' 58.205' .7' 20' 50B85D0D' 86 .20' 4C8B0' 73' #7C0' 89D' .7' ;0' 508D') * -./ 98C0"@' ! ' 86' 46' C750' 3A""@' 496=54;0D' 79' C0D8"6' 73' .20' 7590"48' 38C4"@' * ' + & 0 3' .20' 8244' <27' <050' %A45498 8A' "8C096' M89' 75D05' 73' :5406.6' 8..09D89.' 49' .20' .0C:"0' 73' %A499A6' 8.' #7C0N' 350SA09.' C09.479' 46' C8D0' 49' 4?@' 89D' ;@' 8"054A6' 8I4CA6* 7' <24=2' 8;4A6' 4=.75' 27<0?05' .246' D09854A6' 50"8.06' .2050' 850' 97.' 6A334=409.' 5086796' 375' D0.05C4949B*? '

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% # *1 0CC4A6' <2760' 38C4"@' =749' 46' 8;7?0' 8""AD0D' .7' "4?0D' 49' .20' .4C0' 73' KA"4A6' 50685' 89D' <86' 790' 73' .20' A5A"0' D4"06' 98C0D' ' 06.8;"4620D' ;@' .28.' D4=.8.75* 20' "0B09D' 79' .20' 50?0560' 73' .246' C0D8" 1 ! ' * ' # ' 1 64C:"@' 620 (' .28.' 8' =05.849' :05679' 98C0D' 0CC4A6' <86' .20' 3456.' <27' :5064D0D' 8.' B8C06' <24=2' 4.' 28D' ;009' .20' =A6.7C' .7' =0"0;58.0' 49' 2797A5' 73' 0506 1 8' 38=.' 97.' 97.4=0D' ;@' 89@' 73' .20' 7"D' <54.056' 89D' <24=2' 286" "0D' ' 8' ?8540.@' 73' =79 0=.A506' 8C79B' 9AC46C8.46.6' 86' .7' .20' 8B0' 73' .246' =749* A.' 7A5' :50609.' =79=059' 46' <4.2' 4.6' 7;?0560' 79' <24=2' 8:.0856' .20' "8A508.0D' 208D' 73' 8' C89' <4.2' 8' "79B' 89D' "A I A5489.';085D' 8==7C' N8940D' <4.2' .246' 496=54:G .479' =* 4* =* * S?4#4 * 1 #06:0=.49B' .20' <75D' / ' =F20"' 68@6' T' .' 46' 6.4 ' 8' SA06.479' <20.205' 4.' 503056' .7' .20' 6A598C0' 73' 2"0CC4A6' 75' .7' .20' :75.584.' 86' ;049B' .28.' 73' %A4549A6' 75' #7CA"A6* 2760' <27' 50B85D' 4.' 86' 8' 6A598C0' 8DDA=0' .20' 496.89=0' 73' 8"':AC4A6' %A4549A6' 89D' 73' A":4=4A6' %A4549A6' <209=0' .20@' <4.2' 600C49B' :57;8;4"4.@' 49305' .28.' .20' 68C0' =7B97C09' 8"67' ;0"79B0D' .7' 6C0' 49D4?4DA8" 73' .20' ' 38C4"@* 6' .2060' 7:494796' D7' 97.' 8C7A9.' .7' C750' .289' =79 0=.A50' 67' 4.' 46' =05.849' .28.' .20' B7D' %A4549A6' 46' 49D4=8.0D' ;@' .246' ;085D0D' 208D' 89D' .28.' .20' <75D' S?4#4 ' <86' 8DD0D' 49' .20' 68C0' <8@' 49' <24=2' .28.' 73' 75' 73' I0?6' 46' :"8=0D' 9085' 08=2' 73' .2045' 208D6' 8".27AB2' 4.' 6.4""* C8@' ;0' .28.' .20' <75D' C7507?05' 605?06' .7' D097.0' .20' 6A598C0' 73' .20' 38C4"@' 86' 49' '# + ' .20' <75D' ' 6.89D6' ;7.2' 375' .20' 6A598C0' 73' 7C:794A6' 89D' .20' A60' ;A.' <24=2' 0CC4A6' 46' 97.' F97<9' 375' 9790' 73' .20' 7"D' <54.056' ;549B' 375<85D' 8' 0CC4A6' %A4549A6* 3' 86' "4.." 0' ?8"A0' 850' .20' 0I8C:"06' 73' 8K:AC4A6' 89D' A":4=4A6' =4.0D' ;@' 8?05=8C:* 75' .20' 98C0' 73' D:A5444A6' %A4549A6' 46' 37A9D' 67" 0"@' 79' 8' :89462' "8:4D85@' 496=54:.479' SA7.0D' ;@' &5A.05' <24"6.' 49' 8=4.A6' A":4=4A6' 46' 97.' =8""0D' %A4549A6' ;A.' %A45494A6* .' 6.4"" ' .20503750' M=79="AD06" =F20"N' 50C8496' A9=05.849' <2@' .20' ;08D' 73' %A4549A6' <86' 09B58?0D' 79' .246' D0986 54A6*U 1 00' !)

/ ' 8' 6A598C0' 73' 856' 8""A64?0' .7' :7.09=@' 4g' <85* 20' 98C0' 46' 684D' .7' ;0' D054?0D' 357C' .20' 6:085' <24=2' .20' 8;4906' =8""0D' A546*1 / ' <86' 8"67' 20' 98C0' B4?09' .7' # ' M86' .20' 38;"0D' 679' 73' 856' ;@' #208' @"?48N' 83.05' 246' D08.2* !' .' <86' .209=0' .28.' .20' #7C896' .77F' .20' 98C0' 73' / ' 89D' 4.' <86' A9D05' .20' 8:0""8.479' 73' .20' B7D' / ' .28.' .20' 3456.' '49B' 73' #7C0' 28D' 49' .20' =4.@' <24=2' 20' 37A9D0D' C89@' C8B9434=09.' .0C:"06' 050=.0D' .7' 246' 2797A5' 89D' <75624:' 8C79B' 7.2056' 790' 79' .20' %A45498" 24""

0 % # *1 00' '# ' S?4#554 %* * 75' % ' * * * * / ' ' ' ' 75' 1 9' 8==7A9.' 73' .20' :A;"4=' 578D6' 28?49B' ;009' C8D0' 6830' 89D' =79?09409.*

% ' ' - ! ' *1 ' 34BA50' <4.2' 4=.75@' 49' 8' ;4B8' 73' 0"0:289.6' 79' .20' .7 3' 73' 8' .54AC:28"* 85=2' ;A4".' 79' 8' ;54DB0' 73' 60?058" 85=206* 246" "0B09D' 89D' .@:0' 8:.085' 79' 8' B7"D' =749' 73' ABA6.A6' 89D' .20 0' 850' 7.205' *=7496' 49

' % K ' *

64"?05' 86' <0'"' 86' 49' B7"D ' ;08549B' .20' 68C0' "0B09D ' <4.2' .20' .@ :0' 67C0<28.' ?8540D' 357C' .20' 3456. ' 6A=2' 86' 8' SA8D54B8' 79' 8' .54AC : 28'" 85=2 ' 75' .<7' .54AC : 28'" 84=206 ' <4.2' 89' 0SA06.5489' 6.8.A0' 89D' 8' .57 : 2@' 79' 08=2'" 2050' 46' 8"67' 8' D09854A6 ' 6.5A=F' ;@' .20' C790.8'" .54AC?45' 494=4A6' 49' 2797A5' 73' ABA6.A6 ' <24=2' D46 : "8@6' 79' 4.6' 50?0560' 8' =4 : : A6' M75' .20' C4'"'485@' =7"AC9M' 79' <24=2' 46' 496=54 ; 0D' * *%*# ' '' 854' % ' OW F ' +' '

' ' ' ? ' . , K ' ^ 20' 098.0' 89D' .20' #7C89' : 07 : "0' .7' .20' C : 0575' M ABA6.A6M' 375' 28?49B' =8A60D' .20' 24B2<8@6' M75' B508.' : A ; "4=' 578D6M' .7' ; 0' 50 : 8450D' <4.2' .20' C790@' <24=2' 20' 28D' : 57=A50D' 357C' .20' .5086A5@' 73' .20' 6.8.0*0' ' .2060' C0D8"6 ' .20503750 ' 4.' 46' 0?4D09. ' 50305' .7' .28.' 6@6.0C8.4=' 50 : 858.479' 73' .20' D4.30509.' 578D6' 73' .20' #7C89' 0C : 450 ' 79' <24=2' ABA6.A6' ; 06.7<0D' .20' 43.C76.' =850' 89D' 8..09.479 ' D0D4G =8.49B' .7' .2760' <75F6' 73' : A ; "4=' A.4"4.@' 89D' B589D04A5' 8' : 75.479' 73' .20' =79.54 ; A.4796' <24=2' 20' 28D' "0?40D' 79' .20' 37504B9' 090C@'' 20' 64CG : "4=4.@' 73' .20' "86.' SA7.0D' 496=54 : .479' 46' 50C85FG 8 ; "0'' 0.' 97.249B' =89' ; 0' C750' ="085 ' 97.249B' C750' 3500' 357C' 8330=.8.479' 75' : 7C : 764.@ ' .289' .20' C89905' 49' <24=2' .20' 60960' 46' =79?0@0D' M.20' C08949B' 73' .20' 494.48'" "0..056' ; 049B' 79=0' 49.05G : 50.0DN'' .' <7A"D' ; 0' D4334=A".' 49D00D ' 43' 97.' 4C : 7664 ; "0 ' .7' 349D' 8' "4F0' 6A ; 0=.' 375' 8DC458.479' 89D' : 58460' 49' .20' 496=54 : .4?0' C0C7548"6' 73' C7D059' .4C06*

2050' 850' : 8668B06' 49' 479' <24=2'4 : 749.' <4.2' 649BA"85' 89D' "AC497A6' 0I8=.4.AD0' .7' .20' 38=.6 =7CC0C758.0D' 89D' .@ : 4340D' 79' .20' 8 ; 70EC09G .4790D' =7496'' T' ABA6.A6' 24C60"3' .77F' .20' C898B0C09.' 73' .20' 375C8.479' 73' .20' 2"8C49489' <8@' ' ; 0=8A60' 20' 49.09D0D' .7' "08D' 375.2' 89' 85C@' 49' .28.' D450=.479 ' 89D' 67' 4.' <86' 4CC0D48.0"@' 5090<0D'' 9' .246' 8==7A9.' 6.8.A0 ' 79' 85=206' <050' 58460D' .7' ABA6.A6' 86' <0'"' 79' .20' ; 54DB0' 7?05' .20' 4 ; 05' ' 8.' 54C49AC*U 1 246' <75F' 73' 50 : 84549B' .20' : 549=4 : 8'' 24B2<8@6' M75' C4"4.85@' 578D6N ' <24=2' D4?05B0D' 357C' #7C0' .7' .20' C78.' 50C7.0' .0554.75406' 73' .20' 50 : A ; "4=' 8 : : 0856' .7' 28?0' ; 009' ; 0BA9' 49' .20' @085' ?*=' > '' T' A.' .20' "8 ; 795' <86' B508. ' D0C89D49B' ; 7.2' .4C0' 89D' 0I : 0960 ' 89D' 350SA09."@' 4.' <86' 7 ; "4B0D' .7' ; 0' 6A6 : 09D0D'' .' "09B.2 ' 49' .20' @085' 73' #7C0' H ' M68@6' M =F20"N' 4.' <86' 3494620D ' 89D' .209' 89D' 375' .28.' 508679' <050' .20' 6.8.906' : "8=0D' 89D' D0D4=8.0D ' <24=2' 479' 97.4=06' 89D' .2060' C0D8"6' 50 : 50609.'' 20' 68C0' 246.7548 9' 8"67' 8DD6' .28.' 7.205' 578D6' <050' 6A ; 60SA09."@' 50 : 8450D* 1 2050' 850 ' C7507?05 ' .06.4C79406' 0?09' C750' 6 : 0=434=' <24=2' 850' 50"8.0D' ; @' A0.794A6 ' <27' 68D6' T' 9' 75D05 ' 27<0?05 ' .28.' .20' =4.@' C4B2.' ; 0' C750' 086@' 73' 8==066' 357C' 8 ' SA85.056 ' 20' .77F' A : 79' 24C60"3' .20' .86F' 73' =796.5A=.49B' .20' 8C49489' <8@' 86' 385' 86' 54C49AC ' 89D' D46.54 ; A.0D' .20' 7.2056' 8C79B' 49D4?4DA8"6' <27' 28D' B8490D' .54AC : 26 ' .7' ; 0' "84D' D7<9 ' 89D' .20' 0I : 09606' D0358@0D' 7A.' 73' .20' C790@' .28.' .20' 6 : 74"6' 73' <85' <050' 67"D' 375*U' 1 9D' <28.' A0.794A6' 2050' 6.8.06 ' <4.27A.' C85F49B' .20' .4C0 ' 46' 50"8.0D' ; @' 479' .7' 28?0' .8F09' : "8=0' 49' .20' 8 ; 7?0' @085/ T' 7' .2760' <27' 28D' B8490D' 8' .54AC : 2 ' 20' 09 7490D' .28.' .20@' 627A"D' 050=.' 67C0' C79AC09.' 49' C0C75@' 73'

% '

.2045' 0I : "74.6 ' 7A.' 73' .20' C790@' 58460D' ; @' .20' 68"0' 73' .20' 6 : 74"6*U

% '' '' ''

' * & ' * + # '' '' # ' % ' ' '' ' '' '' '' '' # '' '' '' # '' # '' # & '' '' *0%'' #* 1 (4.249' 8' "8A50'" =57<9'' 9' 8' ; 5866' C0D8"'"479' 73' 796.89.490 ' 28?49B' 246' 208D ' 79' .20' 7 ; ?0560 ' <4.249' .20' 64B96' 73' .20' \7D48=* 1 00' ' # ? ' 444'' .8 ; '' a ' 34B'' >*

89DA54' :"8=0D' .20' 8 ; 7?0' 49' .20' ="866' 73' 9 ' ' C0D8"6' M600' .20' <75DN* 1 T A.' <28.G 0?05' 4.' 627A"D' ; 0' =8'"'0D' M68@6' =F20"N' 4.' D706' 97.' 8 : : 085' .7' C0' .7' ; 0' 73' 89.4SA0' <75FC89624 : '' 0' 4.' 27<0?05' <28.' 4.' C8@ ' .246' 496=54 : .479' 46' 8".7B0.205' .20' 68C0' 86' .28.' <24=2' 46' 508D' 8.' .20' : 50609.' D8@' 79' .20' 85=2' 73' 796.89.490' 8.' #7C0' M9085' .20' "8?489' 8C : 24.208.50N ' 050=.0D' 49' 2797A5' 73' 246' ?4=.75@' 7?05' 8409.4A6 ' <24=2' 3500D' .20' 6.8.0' 357C' .20' 504B9' 73' .05575' .28.' 28D' ; 009' 06.8 ; "4620D' ; @' .28.' .@589.'' 26' <75D6' ' . ' 8==75D49B' .7' .20' 7 : 49479' 73' C89@' 73' 795' "8.05' (54.056 ' 850' .7' ; 0' 5030550D' .7' .20' 4?490' 75' 7"@' 5766 ' <24=2' 46' ' .7' 28?0' 8 : : 0850D' 49' .20' 208?096' .7' .20' 8 ; 7?0E' 98C0D' 0C : 0575* 1 M?7"'' ?444'' :'' *N 1 =F20'' =79D0C90D' .246' 50C85F8 ; "0' 79.75948.0' C0D8'' <4.27A.' 28?49B' 6009' 4.'' 9' 06656'' 7.20 ; @' 89D' 7*L6' T' 8.8"7BA0U' 375' .20' 68"0' 73' .20' 0CG ; 57F0' 7'"0=.479 ' :'' >a ' 850' 67C0' ?05@' 60964 ; "0' 50C85F6' 79' .246' 649BA"85' : 40=0' 357C' <24=2' 4.' C8@' ; 0' =79="9D=D' .28.' .246' 79.75948.0' 46' B09A490 ' ; A.' .28.' .20' A60' 73' 8' B58?49B' .77'' .7' 50C7?0' 7I4D8.479' 286' ; 009' .20' =2403' =8A60' 73' 0I=4.49B'6A6 : 4=4796' 73' 4.6' 89.4SAL.?

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#'' 20' 60?09.009.2' "0..05' 73' .20' 8.49' 8" : 28 ; 0.6 1 # + '289D6' D7<9' 8' .58D4.47985@' 97.4=0' .28.' .20' "0..05' 9'' <86' 49?09.0D' ; @' : : 4A6' "8AD4A6 ' ; A.' .20' 385' C750' 89=409.' 8 : : 0'"'8.4796' 73' #7C8' #7CA"A6 ' #0CA6 ' .7B0.205' <4.2' .20' ; 5866' 89D' 64"?05' =7498B0' 73' .20' 085"406.' 8B06' 503A.0' .246' 86605.479 ' 86' : 89204C ' =7CC09.49B' 79' .20' 48"7B906' 73' ' A6."@' 7 ; 605?06*

#'' 246' "0..05' 605?06' 86' 8' C49.EC85F' 79' .20' D09854' 73' 60?058'' #7C89' 38C4"406 ' 89D' 8"67' 79' 67C0' =7496' 73' .20' 7<05' C : 450*

#'' 6 ' ?0'' 6 ' ?0'' 6 ' ?0'' # ' 5=* 1 #0C4..0D ' 75' 20' 50E06.8 ; "4620D ' 75' #7C0 ' 75' #7C89 ' =*

#'' 6 1 # ' #'' '' # '' 6 ' ' 1 ' ' 6 '

#'' : "8=0D' ; 0375D' '' 6 '#)

#'' 49' .20' C790.8'') ' 620<6' .20' =749' .7' 28?0' ; 009' 6.5A=F' 8.' #7C0* 1 ' $ ' ' 6 ' M : 05=A668' ?0'' 64B98.8N* 1 '' '' # '6 ' ' '

#'' 6 1 '#* '# ' $ ' # + ' 6 ' 79' 8' .74A' 73' 58 89*

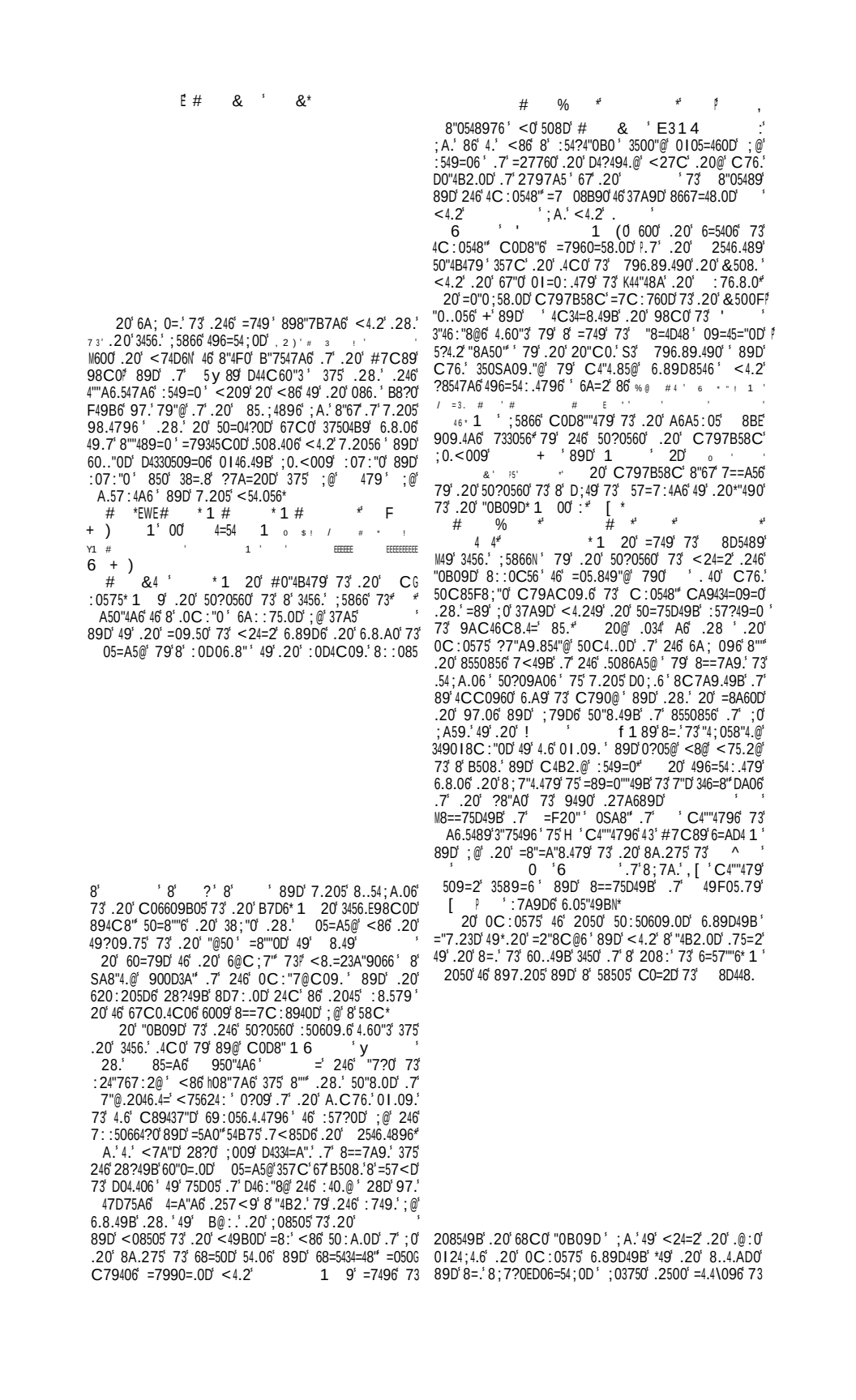
#'' 6 1 " &! * ' 7 '# # ' $ ' ' ' ' . '# + '6 ' 86' 49' 057*

#'' 6 1 ' $ ' 4 ' 6

& b *

6C8"" ;579\0' 73' .20' 68C0' :549=0 ' <24=2' 8.' .20' .4C0' 20' <57.0' <86' 49' .20' =8 ;490.' 73' .20' ; ; t' D0' #7.20"49 ' 89D' 97.' .209' : A ; "4620D ' 89D' <24=2 ' =7964D0549B' 4.6' D4C49A.4?0' 64\0 ' CA6.' ;0'8' <79D05' 375' D064BG' 89D' <75FC89624 : *

' # " M49' .20' 0405B90' # *N 1 20' C : 0575' 608.0D' 79' 8' F49D' 73' .57 : 2@ ' =7C : 760D' 73' =A4586606' 89D' ; A=F"056 ' 50=04?06' <4.2' 246' 54B2.' 289D' 8' 6C8"F' 4C8B0' 73' 4=.75@' : "8=0D' 79' 8' B"720 ' 89D' <24=2' 46' : 50609.0D' .7' 24C' ; @' 8' 34BA50' ="7.20D' 49' 8' C4"4.85@' B85 ; ' 28?49B' 8' 20"C0.' 7 ' 89D' 6.89D49B' ; 03750' 24C" 9' .20' 7 ; ?0560' 46' .20' 208D' 73' 796.89.490' =57<90D' *<4.2' "8A50"6 ' .20' ; A6.' 73' .20' C : 0475' 46' ?464 ; "0' .7' .20' C4DD"0' 73' .20' =208.6' 8D75A0D' <4.2' .20' C : 0548"' 28 ; 4"4C09.6' ' .20' 54B2.' 289D0' 46' 8"67' .7' ;0' 6009 ' 89D' 27"D6 ' 506.49B' 79' .20' 54B2.' 627A"D05' 8' 8?0"49 ' 75' 8' 675.' 73' 6.833' 57A9D0D' 8.' .20' .<7' 09D6 ' 20' "03.' Ÿ289D ' <24=2' 46W7.' 49' 64B2. ' 27"D6' 8K ; A=F"05 ' 79' <24=2' 46' 09B58?0D' 8' C8_' 79' 27560 ; 8=F" (27' .50DD6' A9D05E377.' 8' =8 : .4?0' .257<9' D7<9* 2060' "0B09D6' .7B0.205' <4.2' .28.' 73' $ ' 2 1 ' 79' 897.205' 6C8"" ;5866' =749' 73' 79G 6.89.490' .20' &508. ' =05.849"@' 50305' .7' 24C' 86' .20' ' 73' #7C0' ; @' . 40' D0308.' 89D' D06.5A=.479' 73' .20' .@0B9.' 8 I t 9.4A6 ' .2853' <27C' 97' 790' 0?05' C750' 833"4=.0D' .20' 4928 ; 4.89.6' 73' .28.' =4.@" 0 # " 6 ' #0DA=0D ' ; 57AB2.' A9D05* 1 ' ' + ' '# + ' 6 '# 8=380 ' 79' 8' =749' 73' 58 89* # " 6 ' 74' 6 1 00' # # " 6 1 00' '# 8<.' # ' 86' 49' &8""4=9A6* # ' 4 1 20' 50.A59' 73' .2k' C : 0575* 1 #79";' 608.0D ' : 50609.6' 8' B"7 ; 0' .7' .20' C : 0575' 86' 20' 8 : : 578=206' 205" 9' 8' .245D' ; 5866' 73' "75489A6" .' 46' =7CC79' .7' 508D' 79' .20' 50?05606' 73' =7496' .20' <75D6' ' 1_ ' 75' <209' .20' C : 0575' "486' 50.A590D' .7' #7C0' 57# ' * "![; A.' ! ' ' 46' 8' "0B09D' .28.' 8 : : 0856' 79"@' 79' .246' =749' <24=2' 8949' 286' : A ; "4620D" .' 46' 0?4D09.' 357C' .246' 496=54 : .479' .28.' .20' 50.A59' 73' "75489A6' 46' .7' ;0' A9D056.77D' 86' 89' 0?09.' D06450D' ' ; A.' 246' D08.2' : 50?09.0D' 4.6' ; 049B' 508"460D" # " 6 $ ' #0E ; A"." ' 75' 50 : 8450D* 1 ' ' " 20' 864"4=8' R ' 6 $ ' 79' 8' D09854A6' 73' .20') C4"48' 38C4"@* 1 6 $ ' <86' 8' <75D' : 0=A"485"@' 8 : : "40D' .7' 6A=2' : A ; "4=' 0D434=06' 86' <050' 50E=796.5A=.0D' 835062 ' 75' 506.750D' .7' 8' : 0530=.' 6.8.0* # &" 6 1 00' #' # &48 ' 79' 8 64""?05' =749' 73' .20' ' 38C4"@" # & ' 790' 73' .20' A6A5 : 056' 49' .20' 504B9' 73' &8""409A6* 1 50 ; 0""4A6' 89D' 4=.75' =8""' 24C' 6 8 ' T' 89D' 357C' .246' 98C0' M68@6 =F20"N ' &7".\4A6 ' 79' 246' 7<9' 8A.2754.@ ' 286' 38 ; 54=8.0D' " ' 6 8 ' A.' .2050' 850' B09A490' =7496' <24=2' =8""' 24C' " #0B8"4E' 89A6" 0' <86' 8' 8=489' ; @' ; 45.2 ' 89D' <86' ; 0"40?0D' .7' ; 0' 8' "4908" D06=09D89.' 73' 0=0 ; 8"A6' <27C' 58 89' <4.2' D4334=A".@ 6A ; DA0D" #=B8"4E' 89A6' 46' 684D' .7' 28?0' : 7660660D' .20' 20574=' =7A58B0' 89D' B508.' SA8"4.406' 73' .28.' F49B" 0' 605?0D' A9D05' 8"05489 ' 89D' =7CC89D0D' .20' ""@5489 # & ' # *1 # & ' & " 85C@' <209' 9B09A96' 866AC0D' .20' .4."0' 73' ABA6.A6 ' 8 ; 7A.' .20' 09D' 73' .20' @085' > " 20' =5A0".406' 493"4=.0D' ; @' &8""409A6' 79' .20' .577 : 6' 89D' 4928 ; 4.89.6' 49' m648 ' <27" 28D' D0="850D' 49' " 38?7A5' 73' 9B09AA6 ' 49D900D' .20C ' 83.05' .20' D0308.' 73' .28.' 7A.' A6A5 : 05 ' .7' 0"0=.' #0B8"489A6 ' <27' 28D' 8"508D@' D46.49BA4620D' 24C60"3' ; @' 246' ?4=.75406' 7?05' .20" 85C8.4896 ' 8B8496.' <27C ' 0?09' 83.05' 246' 0"0=.479 ' 20' =79.49A0D' .7' 64B98"460' 246' ?8"7A5' 89D' 8ABC09.' 246' C4"4.85@' 5097<9" 7C0' ?68@' .28.' 20' <86' D0308.0D' 89D' 6"849' 49' ; 8.."0' ; @' &8""409A6' 7.2056' .28.' 20' <86' F4""0D' ; @' 246' 7<9' 67"D4056 ' 49' =79=05.' <4.2' .20' : 07 : "0' 73' ""@548 ' <27' D508D0D' ; 0=7C49B' ?4=.4C6' 8B844 .7' .20' 49G 2AC89' ?09B089=0' 73' &8""409A6* 1 08A?846' =8"G =A"8.06' 246' D08.2' .7' 28?0' 7==A550D' 8 ; 7A.' .20' 09D' 73' ABA6. ' +4N" > H ' 89D' =F20"' 79' .20' 8A.2754.@' 73' 50 ; 0""4A6' 8664B96' .20' 68C0' D8.0' .7' .20' 0?09.*" 96.08D ' 27<0?05' 73' 8B50049B' <4.2' 08A?846' .28.' .20' C0D8"6' 73' #0B8"489A6' 850' .7' ; 0' 37A9D' 79"@' 49' .20' =7""0=.479' 73' &7".\4A6 ' =F20"' : A ; "46206' .<7' =7496' 357C' .20' 8 ; 490.' 73' 40998' <4.2' .20' 6.@"0' ! # ' " ' " ' @4 44 ' 89D' 246' 208D' 58D48.0D ' .20' "0B09D6' 73' .20' 50?05606' ; 049B' 506 : 0=.4?0"@' 0 ! $ $ $ 0 ! ' & ' 89D' 4 ' ' 20' B508.' &05C89' 9AC46G C8.46.' 8"67' 86=54 ; 06' 897.205' =749' .7' #0B8"489A6R' <24=2' 46' : 50605?0D' 49' .28.' C : 0548"' =7""0=.479* 1 ' 20' =7496' 73' #0B8"489A6' 850' 49' 6C8"" ;5866' 75' 49' ; "79 ' 89D' 73' 0I.50C0' 5854.@* # & ' # *1 ' E ' $' *1 ' : 89204C ' 49' 246#' ' ' $' - ' M, N' C09.4796' 8' 5850' =749' 73' "8AD4A6' &7.24=A6' 49' .245D' ; 5866 ' =79.8490D' 49' .20' I509=2' ' 49BL6' =8 ; 490. ' <4.2' .246' A94SA0' 496=54 : G .479 ' 89D' <4.2' .20' 0334B@' 73' A"=89 ' 27"D49B' 8' 28CG C05' 89D' : 49=056 1 89D' 7 ; 605?06' .28.' 4.' 8""AD06' .7' 8' &500F' <75D' ' 0' 75' 6 ' ' .28.' 46' .7' 68@' .20' =2403' 73' 289D4=583.6C09 ' 75' C89A38=G .A5056 ' .20' .5A0' 0 : 4.20.' 73' A"=89=* 1 9' 5030509=0' .7' .20' 68C0' =749 ' =F20"' =8""6' .7' C49D' .2760' =7496' 73' 8"05489A6' 89D' &8""409A6' 496=54 ; 0D' ' ' <4.2' 8' 64C4"85' .@ : 0' 73' A"=89' 6.89DG 49B" .' .20' 68C0' .4C0' 20' 0I : 506606' 89' 7 : 49479' .28.' .246' ' 46' : 57 ; 8 ; "@' .20' B7D' "X) ' =7CC0C758.0D' 79' 897.205' =749' 73' "8AD4A6' * ' <27' M600' ' " $! * A' <86 ' ; 0"40?0D' .7' 28?0' ; 009' ; 09034=09.' .7' .28.' 0C : 0575 ' 89D' <27' C4B2.' "4F0G <460' ; 0' =8""0D' ' 86' .20' .@4R0' 73' .28.' =749' 89D' .20' D7=.5490' 506 : 0="49B' .20' 8 ; 444' "08D' 790' .7' 6A : : 760* # & ' # & " # ' # & " 1 00' ' + ' 79' 8' =749' 73' " 9.79@* # & " 6= 6 1 00' - # & ' & " ' 49BD7C6' 8664 : 4=D" 1 20' "0B09D' 73' 8' =749' 73' 58 89 ' 49' B7"D ' 64""?05' 89D' "85B0' ; 5866 ' M357C' .20' "86.' 73' <24=2' 89' 0I8C : "0' 46' 2050' B4?09 N' 79' <24=2' 46' .20' C : 0575' 64..49B' 79' 89' 06.58D0 ' 89D' 8..09D0D' ; @' .<7' 34BA506' 6.89D49B' ' ; 03750' 89D' ; 0"7<' 24C' 850' 34?0' 7.205' 34BA506 ' .20' 3750C76.' 73' <27C' .7A=206' .20' 289D' 73' .20' C : =475' <4.2' 246' 7<9*



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5097?8.479' 73' .20' =4.@' 4.60"3' 86' 8==7C:"4620D' 89D' 8""* .246' .7' ;0' A9D056.77D' 86' .20' 506A".' 73' 246' 28549B' =79SA050D' 89D' 6"849' 246' 54?8"* 49' A6A5:8G .479' 89D' .@5899@' 0:7.489A6# 0.' .2060' ?849E' B"7547A6' :50.0964796'.S' .20'=2858=.05' 73' 8"'"4;058.75' 89D' 8' 506.7505' 850' 97.' =793490D' .7' .20' =7496' 79"@' 73' 8B909.496' ;A.' 850' 866ACOD' 49' 89' 496=54:.479' 74"* 8' C85;"0' SA7.0D' ;@' &5A.05' D0D4=8.0D' .7' 246' 2797A5' 86' $ 3 3!' $$!' ' $!' $! ' 0.=*

*1 # # *1 #0:858.47*

#*1'

' C89' 50=04?49B' 79' .20' :749.' 73' 246' 6:085' 8' ;085' <24=2' 46' 5A6249B' A:79' 24C*

246' 46' 790' 73' .2760' Y 75' 2A9.49B' 6A;0=.6' <24=2' 8:085' 79' .20' 50?05606' 73' 79E' .75A40.0' C0D8"6' 28?49B' 79' .2045' 7;?05606' .20' 208D' 73' 49=" AD0D' 49' 8?05=8C:L6' 8.8"'7BA0' 89D' 50:50609.0D' 49' 750""L6':"8.06*1 00' =F20"' <27' A9D0' 5' .20' 98C0' 73' $ 286' ="8664340D' .2060' :0=A"485:57DA=.4796' 73' .20' #7C89' C49.' 97.' 49' .20' 75D05' 73E.20' C:05756L' 504B96' 2A.' 8==75D49B' .7' .2045' 506:0=.4?0' 6A;0=.6' 89D' .2060' "8..05' 850' 67' ?8547A6' 86' .7' 0C;58=0' 8C79B' 7.2056' C@.27"7B@' 246.75@' 4""A6.547A6' :056798B06' :A;"4=' 6:0=.8="06' 89D' 6:75.6' =*

*' 6 + 1 00' o' ' * #' ! ' + ' 6 + 1 ' "0B09D' <24=2' 3456.' 8:G :0856' 79' =7496' 73' 796.896' ,'* M357C' HH' .7' H[N' <4.2' ?8547A6'.@:06' 89D' 83.05<85D6' 7==A56' 350SA09."@' 49' 6A0=00D49B' 504B96' 00' :'* H *

6 + 5' 73'.@:06' 89D' 73' 496=54:.4796' 79' .20' 50?0560' 86' 79' .20' 7;?0560' 850' 8CD9B'.2760' 055756' 73' .20' C49.' C750' 75' "066' B5766' <24=2' 7==8G 64798""@' ;0.58@' .20C60"?06' 79' #7C89' =7496' 73' .20' C:0548"* 605406' 0?09' 49' .20' 085"405' 504B96' 6A=2' 86' 06:86489' 58 89' 8D5489' 97.' 7C4..49B' ABA6.A6' 24C60"3'* ? ^ 00' #8 20*?

% ' #* # * "1+ ' % 1 ' 34BA50' ?04"0D' <08549B' .20' .7B8' 64.6' 49' 8' =A5A"0' =2845' .20' 54B2.' 289D' 0I.09D0D' .20' "03.' 27"D49B'8' 6=0:.50*

246' 0:4B58:2' 89D' .20' 8==7C:89@49B' .@:0' :50609.' .20C60"?06' 375' .20' 3456.' .4C0' 73' .2045' 7==A5509=0' 49' .20' C:0548"* 605406' 79' 8' 64"?05' 89D' 79' 6C8"* ;5866' =7496' 73' "8AD4A6' &7.24=A6* .' 8::0856' 68@6' 89D4454' 86' <0"* 357C' .20' D04340D' .4."0' 79' .20' 7;?0560 1 MC??' - o ! ' #!! (A 1 86' 357C' .20' ?04"* M"4F0?#460' 8' 6@C;7"' 73' D4?494.@M' <4.2' <24=2' .20' 208D' 73' "8AD4A6' 46' =7?050D' .28.' .2060' C0D8"6' <050' 6.5A=F' 83.05' 246' D08.2*1 20' '75' + $' ' ' ' <86' 86' 8::"40D' .7' 2C' .20' "89BA8B0' 97.' 73' 8DA"8.479' 75' 73' 0I8BB058.0D' :58460' M86' <209' 64C4"85"@' A60D' 49' 6A;60SA09.' 504B96' 79' =7496' 73' 8I4C489A6' 89D' 796.89.4A6' 2 75A6 M ;A.' 73' .5A.2' 89D' A6.4=0' .7' .20' C0C75@' 73' 8' :549=0' 67' A94?0568""@' ;0"7?0D' 89D' "8C09.0D' .28.' 8' <54.056' 73' ABA6.89' 246.75@' A94.0' 49' C8F49B' 24C' .20' .20C0' 73' .20' C76.' B"7<49B' 89D' 8::8509."@' 86' 649=050' 86' B"7<49B' :890B@54=* 50;0""496' 7 47' 49' 50"8.49B' .20' ?8547A6' 2797A56' 8<85D0D' .7' "8AD4A6' 83.05' 246' D0=0860' 68@6' 8' B7"D09' 6240"D' <86' ;@' .20' 99894C7A6' ?7.0' 73' .20' <27"0' 6098.0' :"8=0D' 86' 8' .54;A.0' .7' 246' ?45.A06' 6 ' ' 9D' .20' :07:"0' M8' .249B' 90?05' ;03750' D790M' :"8=0D' 8.' .20' :A;"4=' =76.' 8' 6.8.A0' 73' 24C' ' ' >

*1 # H

49' B7"D' .09' 300.' 24B2' 49' .20' =8:4.7" ;03750' .20' .0C:"0' 73' KA:4.05' 975' <050' 64C4"85' D0C796.58G .4796' 73' 506:0=.' =793490D' .7' .20' 8A.2754.406' 89D' :7:A"8.479' 73' #7C0' ;A.' M<0' 850' .7"D' ;@' .20' 68C0' <54.05M' .28.*49' 0?05@' =4.@' .257AB27A.' 8"'" .20' :57?49=06' 6.8.A06' 6.89D85D6' =57<96' 8".856' .0C:"06' 89D' 85=206' <050' D0D4=8.0D' 89D' 050=.0D' .7' 246' 2797A5* 50;0""4A6' 49D00D' 49' 246' "430' 73' .246' B77D' B508.' 89DE' ?4=.7547A6' C:0575' 3494620' <4.2' 68@49B 1 ' ' F ' ' +>+ ' ' + ' ' + ' ' + ' ' + h 0 ' 7 ' h 0 ' ' h 0 ' 0 0 ' '+ + ' ' # * # j' # * 6 ' 75' 6 1 #06.750D' 75' 20' 286' 506.750D*

1 20=7B97C09' 73' ' ' 79' 8' D09854A6' 73' <24=2' .20' 7;?0560'.@:0' 46' .20' 208D' 73' 8' C89' 50C85F8;"0' 375' 4.6' CA6=A"85' "85B0' 308.A50D' 89D' 285D' 38?7A50D' =7A9.0989=0 246' 46' 6A:760D' <4.2' CA=2' :57;8;4"4.@' .7*;0' .20' :75.584.' 73' .20' * A.4A6' #06.47' <27' <86' .20' 8A.275' 73' 8' 6AC:.A85@' "8<' <24=2' 97.?79"@' :"8=0D' .20' 0I:0960 73' =79?4?48" ;89SA0.6' A9D05' 506.54=.479' ;A.' 8"67' :5724;4.0D' 89@' C8B46.58.0' 75' C8B46.58.0' 0"0=.' 357C' D4949B' 8;578D' 0I=0:.' 8.' =05.849' :07:"0L6' 27A606*1 .'? 46' 97.' <75.2' <24"0' .7' 49SA450' <209' .246' A967=48" 89D' 35A4."066' "4C4.8.479' <86' 098=.0D' 375' 8' "8<' 67' 8;6A5D' C0.' 4.6' 38.0' 73' 50C849498' A97;605?0D' 89D' 0?09' 4.6' :57:7605' 46' 684D' .7' 2S?0' 90?05' 83.05<85D6OD49=D' 7A.' 375' 3085' 73' <4.906649B' M89D' :0528:6' 86646.49B' 49M' .20' ?47"8.479' 73' 246' 7<9' "0B46"8.4?0' 49276:4G .8"4.@*1 00' ' 75' 506.750D' =7496' 46' M357C' .20' ?05;' % ' 8' 98C0' B4?09' .7' :40=06' 73' C790@' =7:40D' 357C' 7.205' :40=06' 6.5A=F' 8.' 89' 89.05475' :0547D' 73' .4C0' <4.2' .20' 834 A9=.479' 73' "0B09D6' <24=2' :57?0' .20' 50:57DA=.479' 73' .2060' :85.4=A"85' =7496*1 20' C7.4?06' <24=2' "0D' .7' .20' 38;54=8.479' 73' 6A=2' C0D8"6' D7' 97.' 8:085' 6A6G =0:.4;"0' 73' 8' 68.4638=.75@' 0I:"898.479' 97.<4.2G 6.89D49B' .20' :8496' ;06.7<0D' 89D' .20' 49B09A4.@' 0I05=460D' ;@' .20' C76.' "08590D' 99C46C8.46.6' <4.2 8*?40<' .7' .257<' ;B2.'9·7A'.20' 6A;0=.* 05.849' 4.'46' .28.' C89@' 73' .20' #7C89' C:05756' =8A60D' .20' =7496' 73' 60?058"' 73' .2045' :50D0=066756' 89D' 8"67' =7496' 73' .20' =796A"85' 75' 50:A;"4=89' 6058' .7' ;0' 1 .28.' 46' .7' 68@' .20@' =7CC89D0D' :40=06' .7' ;0' 6.5A=F' <24=2' 50:57DA=0D' .20' .@:06' 89D' "0B09D6' 73' .2760' C750' 89=409.' =7496' <4.2' .20' 8DD4.479' 73' .20' 98C0' 73' .20' 504B949B' 0C:0575' .7B0.205' <4.2' .20' <75D' # 4394.1 8' <75D' <24=2' 286' ;009' 6A;0=.0D' .7' ?05@' D4330509.' 49.05:50.8.4796*

20' "08590D' 89D' AD4=47A6' * ' ' ' * ' 49' 246' 8997.8.4796' 79' K7;05.L6' <75F' .2A6' D034906.20' F49D' 73' C790@' 97<' 49' SA06.479 / T' (0' =8"" M68@6' 20M' .2760' 506.750D' C0D8"6" = ' 6 = %' ;0'.20@' =796A"85' 75' ;0'.20@' 4C:0548"' A:79' <24=2' ;064D06' .20' .@:0' 89D' .20' "0B09D' <24=2' .20@ 28D' 8.' .2045' 3456.' =7498B0' <0' 600' C7507?05' .20' 98C0' 73' .20' 0C:0575' <27' =8A60D' .20C' .7' ;0' 6.5A=F' 8' 60=79D' .4C0' 37""7<0D' ;@' .20' <75D' # *1 3' 6A=2' 8' 675.' 46' .20' 60=79D' ;5866' =749' 79' <49=2' 57A9D' .20' 58D48.0D' 208D' 73' ABA6.A6' <0'508D' ' & ' #

89D' 73' <24=2' .20' 50?0560' .@ : 0' 46' 8' B"7 ; 0' <4.2' 8' 5ADD05' 89D' .20' "0B09D' # * 1 3' .20' 68C0' F49D' 46' .28.' 64"?05' C0D8"' 73' .20' 6) ' 38C4"@ ' <24=2' 50 : 50609.6' 79' 790' 64DD' .20' 208D' 73' 79=75D' ?04"0D ' <4.2' .20' 8 ; ; 50G ?48.0D' <75D' * ' .28.' 46' .7' 68@' {08_ _' 89D' 79' .20' 50?0560' 8' SA8D54B8 ' 79' <24=2' 46' 8' Z4=.75@' ; 7"D49B' 8' =57<9 ' ; 0"7<' 4.' # # # * ' 89D' 57A9D' 4.' # # # # & #' # * * # * 1 2050' 850' 7.205' C0D8"6' .7' <24=2' .20' 0 : 4.20.' 73' ' 286' 4C : 57 : 05"@' ; 009' B4?09 ' 8".27AB2' .20@' D7' 97.' 2085' .20' < 75D' # * ' <24=2' 600C6' .7' ; 0' .20' D46.49=.4?0' C85F' 73' .2k60' 506.4.A.4796# A=2' 850' .20' C0D8"6' 6.5A=F' A9D05' && 40996' .7' 5090<' .20' 50C0C ; 589=0' 73' .20' =7960=58.479' 73' C89@' 73' 240' : 50D0=066756# 75' =89' .20' 8 : 0""8.479' 73' ' C0D8"6' ; 0' 49' 89@' 60960' B4?09' .7' .2760' <24=2' ABA6.A6 ' 4 ; 054A6 ' 8 "4D8 ' "8AD486 ' 89D' 057' =8A60D' .7' ; 0' 6.5A=F' <4.2' .20' 98C0' 89D' .20' 208D' 73' KA"4A6' m685 ' 73' ABA6.A6 ' 73' 4?48 ' 73' B54 : : 8 ' 73' B54 : : 498 ' 73' 5A686 ' 89D' 73' &05C894=A6 ' ; 0=8A60' .2060' 850' 97.' 496.89=06' 73' 89=409.' .@ : 06' 0C : "7@0D' 835062 ' ; A.' 8 ; 67"A.0"@' 90<' =7498B06 ' 86' <0"" < 4.2' 506 : 0=.' .7' .20' .@ : 0' 86' .7' .20' C 8.54 I' 75' 0*U 1 3.05' =7550=.49B' .20' 05575' <24=2' MC46"0D' ; @' $ ' =7496' SA7.0DE' ; @' 460"4A6' 89D' 85D7S49N' K7205.' 28D' C8D0' 49' 6.8.G 49B' .20' 506.758.4796' .7' 28?0' =7CC09=0D' <4.2' .20' 504B96' 73' "8AD4A6' 89D' 057' 4C85D' : 57=00D6/ 1 T' 3' 46' A9D05' ' .28.' <0' ; 0B49' .7' 600' 506.750D' =7496 ' 89D' <0' F97<' .20C' .7' 28?0' ; 009' 6.5A=F' 49' C0C75@' 73' ABA6.A6 ' 73' 4?48 ' 73' B54 : : 8 ' 73' 5A6A6 ' 73' 4 ; 05486 ' 73' 5A6A6' 679' 73' 4 ; 054A6 ' 73' &05Cg94=76 ' 73' B54 : : 498' C7.205' 73' 8"4B4D8 ' 73' "8AD4A6 ' 73' &8" ; 8 ' 89D ' X .27*1 3.05' 4.A6L6' 018C : "0 ' . ' 506.750D' =05.849' C0D8"6' 73' ABA6.A6 ' 73' B54 : : 8 ' 73' 5A6A6 ' 73' 4 ; 054A6 ' 73' 5A6A6 ' 679' 73' 4 ; 054A6 ' 89D' 73' "8AD4A6* 1 ' 506.750D' 9790' 73' 246' : 50D0=066756L' =7496' 0I=0 : .' .2760' 73' ABA6.A6 ' 2A.' 9 7 ' 5090<0D' ; @' ' .20' C0D8"6' 73' 8"C76.' 8"" .20' 0C : 05756' <27' 28D' 504B90D' ; 03750' 24C*U' 064D06' <24=2' 20' 506.750D' 9AC057A6' =7496' 73' #7C89' 38C4"406* 1 ' ' 89D' ' ' 749."@' 506.750D' 8' D09854A6' 73' # * 9.79@*

20' C8 754.@' 73' .20' 085"405' <54.056' 79' #7C89' 9AC46C8.4=6 ? 89D' 4C85D' 600C6' 9085"@' .7' =749=4D0' <4.2' .20C' 49' 7 : 49479 ' =79.09D' .28.' .20' <75D' # ' .28.' 46' .7' 68@' * ' 64B943406' C050"@' .28.' 4.A6 ' 7C4.489 ' 05?8 ' 89D' 58 89' =8A60D' .20' D406' 73' .2045' : 50D0=066756L'E=7496' .7' ; 0' 50EC8D0' ' .28.' ; @' .2045' =7CC89D' C0D8"6' <050' 6.5A=F' <4.2' .2060' 68C0' D406' ' 89D' .28.' .20@' 8"" 7 <0D' 6A=2' C0D8"6' .7' ; 0' =45=A"8.0D' 49' =7CG C05=0' "4F0' .2045' 7<9' C790@" 2060' 89.4G SA85406' 8"67' ; 0"40?0D' .28.' 58 89' D4D' 97.' =79349D' 24C60"3' .7' .246' : 58=.4=0' 73' =74949B' C0D8"6' 357C' .20' D406' 73' .20' : 549=06' <27' 28D' : 50=0D0D' 24C' ; A.' .77F' .20' 385.205' 6.0 : ' 73' 50E06.8 ; 26249B' 8"" .20' ' <24=2' 28D' ; 079' A60D' 375' .20' =79G 6A"85' C0D8"6' 8.' .20' : 0547D' <209' .20@' <050' .20' =A5509.' =749' 73' .20' 6.8.0*

3.05' =7C ; 8.49B' 8.' =7964D058 ; "0' "09B.2' .20' 7 ; 0=.479 6' 73' 050' 85D7A49 ' <27 486' 54D4=A"0D' .20' 8 ; 7?0' 4D086' 79' .20' 6A ; 0=.' 89D' <27' 286

B4?09' "1+ ' F ' : # [N' 8' =7A9.05*0I : "898G .479' 358AB2.' <4.2' B508.' 49B09A4.@' ; A.' 0SA8""@' 358AB2.' <4.2' B508.05' D4334=A".406' 4C85D' D0="8506' 446' : 5030509=0' 375' .20' 7 : 49479' 73' 84""89.' 86' 28?49B' CA=2' C750' 73' : 57 ; 8 ; 4"4.@' 49' 4.' ' 98C0"@' .28.' 58 89' 49' 75D05' .7' =79=4"48.0' 49' 246' 7<9' 38?7A5' .20' 609.4C09.6' 73' .20' 6098.0' 89D' : 07 : "0' <4620D' .7' 620<' C85F6' 73' 246' ?09058.479' MB09058""@Nh75' .20' C0C75@' 73' 246' : 50609.' D8@' C89@' 850' 37A9D' 73' .20' 68C0' 38C4"@' <4.2' D4330509.' .@ : 06' 89D' 67C0.4C06' 73' 8' 38C4"@' ; A.' ; .."0' =0"0 ; 58.0D' 86' 8C79B6.' 7.2056' .20' 6) ' Y38C4"@' 73' <24=2' <0' 28?0' .2500' D4330509.' =7496' 506.750D' ; @' 58 89' ==75D49B' .7' .246' 7 : 49479' .20' C0B949B' 86=54 ; 0D' .7' .20' "0B09D' ' # ' - ' ' * : ' ' & $ ' 7 4 ' ((' 2 ' 46' : 0530=."@' =79375C8 ; "0' .7' .20' 5A"06' 73' B58CC85' 89D' .7' .20' B094A6' 73' .20' 8.49' .79BA0# (209' .20' 496=54 : G .479' <86' 09B58?0D' 79' .20' ?05@' C79AC09.' 4.60"3' <24=2' 89' 0C : 0575' =8A60D' .7' ; 0' 50E ; A4".' .20' 98C0' 73' .20' 506.750D' C79AC09.' <86' 350SA09."@' 7C4..0D' ; 0=8A60' 4.' <86' 4C : 7664 ; "0' .7' C8F0' 89@' C46.8F0' 86' .7' .20' =860' B7?0590D' ; @' .20' < 75D' ' 89D' ; 0=8A60' 0?05@ ; 7D@' 6A : : "40D' 4.' <4.2' 0860# 2A6' <20.N' 79' .20' `C06' 578D' 8' C4"4.85@' =7"AC9' 46' 6009 ' <4.2' .246' 496=54 : .479' ' #' ' * & ' + ' ' + ' ' + + + * # ' # ' # 4 4 ' ' <0' =" 085"@' A9D056.89D' .28.' .246' =7"AC9 ' <24=2' 605?0D' .7' C85F' .20' 343.2' C4" ' 357C' `C06' 28D' ; 009' 50E' 050=.0D' ; @' 75D05' 73' 4 ; 054A6# C79B6.' 89' 49349 4.@' 73' 018C : "06' 0124 ; 4.49B' .246' 0""4 : .408# C7D0' 73' 01 : 50664790' .2050' 46' 49' 89' 89=409.' 496=54 : .479' 79' .20' 796' 8 ; 54=4A6' 8.' #7C0' .20' 37""7<49B/ ' ' ' ' ' ' ' ' ' # ' 89D' .28.' <86' 6A334=409.' .7' =79?0@' .20' C08949B' .28.' 8 ; 5404A6' 28D' =8A60D' .246' ; 54DB0' .7' ; 0' ; A4".' ; 0=8A60' .20' 496=54 : .479' <86' 09B58?09' 79' .20' ; 54DB0' 4.60"3# 7.249B' 46' C750' =7CC79' .289' .7' 349D' 79' 4++ ' <20.205' ?7.4?0' 75' 60 : A"=258"' # ' ! / % " ! / % " ! ' - 1 $ ' ! ' <4.27A.' .2760' ?05 ; 6' ; 049B' 37""7<0D' ; @' 89@' B7?05949B' 97A9' ; 0=8A60' .20' ' ++' M75' 8".856N' .20C60"?06' 850' 6A : : 760D' .7' 6A : : "@' .20' : "8=0' 73' 4.#' 75' .20' 68C0' 50*4679 ' <209' <0' 349D' 79' C0D8"6' # 1 # . 1 ' 1 # # 4W' # M3W43 ' 43' 4.' 46' 86' ' ; 0"40?0' 73' . . 0' 50E38 ; 54=8.479' 73' .20' =749' 4.60"3' .28.' 4.' 46' D064B90D' .7' C8F0' C09.479 ' 4.' <86' 97.' 90=06685@' .7' 8DD' & ' 375' <0' 27"D' 49' 795' 289D ' 89D' 28?0' A9D05' 7A5' 0@0' .20' ?05@' .249B' <24=2' <86' 5006.8 ; "4620D#' A.' 4.' <7A"D' 97.' ; 0' .2A6' 43' 4.' 28D' ; 009' 49.09D0D' .7' 50=75D' .28.' .2060' C : 05756' =8A60D' 49' 67C0' 675.' .20' 50?4?8#' 73' .2045' : 50D0=066756' 89D' 73' .20' B508.' C09' <2760' 98C06' <050' 09B58?0D' 79' .2060' : 40=06' 73' C790@' 375' 4.' 73.09' 28 : : 096' .28.' .2050' 46' 97.249B' 49' .20' .@ : 0' <24=2' ; 0856' 50G "8.479' .7' .20' ?45.A06' 75' .7' .20' 8=.4796 ' ; @

' # 1 # b #*

2060' 850' .20' .249B6 ' 8DD6' =F204 ' <24=2' 04.205' 86=05.8490D ' 75' :57 ; 8 ; "0 ' 75' 99=05.849 ' 75' <27""@' A9F97<9 ' ' 349D' 79' .20' 6A ; 0=.' 73' 50G 6.750D' C0D8"6' " ' ' ' % ' ' 628""' =79=" AD0' <4.2' ; A.' 8' 30<' 894C8D?0564796* 1 *' 6' 58 89' 506.750D' .20' =7496' 73' 7 ; 6=A50' 38C4"406 ' 375' 496.89=0' .2500' 73' 6) ' 4.' 46' ?05@' "4F0"@' .28.' C76.' 73' .20C' M.20' 796A"85' 89D' 8C4"@' =7496N ' 89D' : 0528 : 6' 8""' <050' 506.750D' ; @' .28.' 0C : 0575 ' ; A.' .20@' 28?0' 24.205.7' 97.' ; 009' 6009# 75' <0' : 05=04?0' .28.' .2045' 9AC ; 056 ' 8".27AB2' 6"7<"@ ' @0.' ; @' D0B5006' 49=50860 ' 89D' <4.27A.' D7A ; .' 8' B508.' C89@' "40' 49' ?8547A6' CA60AC6' 24DD09 ' 89D' A9F97<9' .7' 96* 1 *' ; 0' 28?0' 97' B7"D' : 40=0 ' 04.205' =796A"85' 75' 7$' 8' 38C4"@ ' 506.750D' ; @' 58 89 ' <27' 90?05.20"066' 75D050D' .20' 506.750D' 4C : 0548"' C0D8"6' 7' ; 0' 6.5A=F' B09058""@' 49' B7"D#' 246' D034=409=@' 605?06' B508."@' .7' =79345C' C0' 49' . ; 0' =79 0=.A50' <24=2' , ' 28?0' 375C0D' M89D' 6.8.0D' 49' 60=.479' 4*' =8 : # 4?*N ' .28.' DA549B' .20' 50 : A ; "4=' .2050' <050' 97' B7"D' =7496' 6.5A=F# 75' <28.' <86' .20' 508679' <2@' 58 89' 627A"D' 8 ; 6.849' 357C' 506.7549B' .20' B7"D' =796A"856' Ż 20' =8A60' 73' 246' 7C4..49B' .7' 50G 6.750' .20' ; 5866' =7498B0' 73' .20' 50 : A ; =' ' .249F ' <86' .28.' .2060' 28D' 034CC79' .@ : 06 ' : 0=A"485' .7' .20' <04B2.' 73' 08=2 ' 89D' <24=2' .20503750' 4.' D4D' 97.' 600C' <75.2' <24"0' .7' 506.750* 1 *' 6' 24.205.7' 97' 506.750D' =749' 73' 89@' 385554"@' 286' ; 009' D46=7?050D ' 73' <24=2' .20' 85=20.@ : 0' 46' 97.' 8"67' 01.89. ' 8' 58@' 73' 27 : 0' C8@' 97<' ; 0' 49D9"B0D ' .28.' 205083.05' .20' 605406' 73' 38C4"@' CADg46' C8@' ; 0' C750' 8C : "@' 05.54= ; 0D' <4.2' .20' D06450D' 8==0664796* 1 # A.' 73' .20' <27"0' =57<D' 73' 38C4"@' C0D8"6 ' <24=2' .20' 305.4".@' 73' 7".\4A6' 286' ; 57AB2.' .7' "4B2. ' .27AB2' F97<9' .7' 24C60"3' 8"790 ' <0' 850' =7B94\89.' 73' 97' 506.750D' =749 ' 975' 286' 89@' 506.750D' =749' 24.205.7' 8 : : 0850D ' <2760' 754B498"' .20' 2068A5A6' &7".\489A6' 6A : G : "406# 246' C8@' 600C' <79D053A"' ; A.' <0' =89' 90?05.20"066' D4?490' .20' .5A0' =8A60# 7' 75B0' 506.750D' =7496' <4"" 97.' 28?0' 0105=460D' CA=2' 503"0=.479 ' ; A.' 20' < " 90?05' ; 0' 8 ; "0' .7' 3A59462' .20' 85=20.@ : 06 ' ; 0=8A60' .20' =7496' 24.205.7' 6009' ; @' 24C' M&7".\4A6N' 8"790' 850' 8"C76.' 8 ' 06.00C0D' 34=.4.47A6*

A=2' 46' .20' 6A ; 6.89=0' 86' <0"" 73' .20' ?8547A6' 7 : 494796' 28\85D00' 86' 73' .20' D4330509.' 38=.6' 6.8.0D ' ; @' 89.4SA85406' ; 7.2' 73' .20' 90<' 89D' 73' .20' 0"D05' 6=277" 506 : 0=.49B' ' =7496* 9D' 8".27AB2' 67C0' 73' .20' 6 : 0=A"8.4796' 79' .246' 6A ; 0=.' 850' 345005' 357C' 7 ; 0=.4796' 86' ; 049B' C750' 50=79=4"08 0' .7' : 57 ; 8 ; 4"4.406' .289' 7.2056 ' @0.' <209' <0' "77F' .7' .2060' 496.89=06' =79G 3490D' .7' 8' 30<' 504B96' 73' 0C : 05756' 50E=74949B' .20' C790@' 73' .20' 50 : A ; "4=' : 50=460"@' 83.05' .20' D064B96' 73' .20' 754B498" .@ : 06 ' 89D' 8"67' 73' 50G 90<49B ' .20' C0D8"6' 73' .2045' : 50D0=066756' 79' 8' "066' 8==A58.0' : 549=4 : "0' 73' 4C4.8.479 ' 4.' CA6.' ; 0' =7930660D' .28.' .20' ' 49' SA06.479' 850' 6. '* "03.' 8C79B6.' .20' A967"?0D' 54DD"06' 73' 89=409.' 9AC46C8.46C*

' & #' 6 ' 1 '

1 9' .20' 50?0560' 73' 8' 64"?05' =749' 73'*&8""40996' .28.' 0330C498.0' ?7"A : .A85@ ' <27' ; @' 246' 2085."066' C46=79DA=.' ; 57AB2.' .20' #7C89' 0C : 450' .7' .20' ?05@' ?05B0' 73' 5A49 ' 46' 2050' 50 : 50609.0D' "43.49B .20' : 056794340D' &094A6' 73' .20' &8A"6357C' 8' F900"G 49B' : 76.A50# 246' : 40=0' 73' 496=54 : .4?0' 8DA"8.479' <86' 38 ; 54=8.0D' 83.05' 8' ?4=.75@' <24=2' &8""409A6' 7 ; .8490D' 7?05' .20' ; 85 ; 857A6' 49?8D056' 73' &8A" ; @' .20' 86646.89=0' 73' 764ACA6' ' ; A.' .28.' B508.' =7CC89D05' 90?05.20"066' 50.8490D' . ; 0' B7?059G C09.' 89D' 4C : 57?0D' .20' 60=A54.@' 73' .2760' 4C : 75.89.' : 57?49=06' 89D' .20503750' C4B2.' <4.2' B508.05' 54B2.' 28?0' 866ACD0' .28.' .4."0' 79' 246' 7<9' =7496# 28.' &8A"' <86' 6 : 7F09' 73' ; @' .20' #7C896' 49' .20' : "A58"' <0' 28?0' 6009' 49' .20' =749' 73' &8" ; 8 ' 496=54 ; 0D' s ' ! # # 6 ' ' J '6 ' 1 20' C : 0575' 584649B' 8' <7C89' .28.' F900"6' ; 03750' 24C ' 7 : : 764.0' 850' .<7' =24"D509' 6.89D49B' <4.2' A : "43.0D' 289D6* 1 246' "0B09D' 89D' .@ : 0 ' 79' B7"D ' 64"?05 ' 89D' 3456.' ; 5866' 73' 58 89 ' D7A ; ."066' 50305' .7' .20' "85B0' 3A9D6' 8 : : 57 : 548.0D' ; @' .4""6' ; 09034=09.' : 549=0' .7' .20' C849.0989=0' 89D' 0DA=8.479' 73' @7A.2' 49' ?8547A6' =4.406' 73' .8"@ ' <24=2' ; @' .246' <0""E.4C0D' 89D' : 8.0598" "4 ; 058"4.@' 73' 246' C8@' 54B2."@' ; 0' 684D' .7' 28?0' ; 009' # #' # '# * 1 20' CG : 0575' 27"D49B' 49' 246' 54B2.' 289D' 8' 34B4A0' 73' 4=.75@ ' 89D' 49' 246' "03.' 289D' 8' ; 89905' <4.2' .20' C797B58C' 73' 2546.* 1 246' C0D8"' 49' B7"D' 89D' 49' 64"?05' M09B58?0D' 49' 20""L6' F ++ ' ' : *' >[aN ' 46' 790' 73' 60?058" 6.94=F' A9D05' 8B90A.4A6 ' 49' <24=2' .28.' 3057=47A6' .584.75' 89D' C76.' =5A0" .@589. ' <27' : 573890D' .20' 2546.4894.@' 20' : 5730660D' 286' 4C : AD09."@' D064B98.0D' 24C60"3' 86' .20' 506.7505 ' .20' 5097?8.75 ' .20' =79SA0575' 73' "4 ; 05.@' 89D' 73' 50 : A ; "4=89' 49D0 : 09D09=0' 375' #7C0' <2760' "8<3A" : 549=0' M 796.8446N' 20' 27D' =8A60D' .7' ; 0' 866866498.0D' 4 89D' <2760' ""@5489' : 57?49=06' 20' 28D' D0"AB0D' <4.2' #7C89' ; "77D* # #' *' 6 ' ' 1 20' C : 0575' M* "0189D05' 0?05A6N' 6.89D49B' <4.2' 246' 54B2.' 289D' 01.09D0D' 89D' 8' 6 : 085' 49' .20' "03.* Y 0=79D' ; 5866* 3' 8"" .20' 0C : 05756 ' P "0189D05' 46' .20' 79"@' 790' <27' ; 786.6' 73' 24C60"3' 86' .20' 6 ' $' ' M#7C89N' ' A.' .246' 20' 286' D790 ' <4.2' .20' 689=.479' 73' .20' 6098.0' M6 ' =*N ' ; 7.2' 79' .20' : 50609.' = 749' 89D' 79' 897.205' C4DD"0' ; 57A\0 ' 496=54 ; 0D' =38' # * 2050' 46' 8' "79B' : 8668B0' 73' 8C : 54D4A6 ' 49' <24=2' .28.' 246.75489' 8664B96' .7' .20' : 549=0' 49' SA06.479' .20' C054.' 73' 28<49B' =8A60D' .20' 64"?05' =7498B0' 73' #7C0' .7' ; 0' 506.750D' .7' B508.05' : A54.@* 1 0F20" ' 27<0?05 ' <27' 286' SA7.0D' 8C : 54D4A6' 8.' 3A""' "09B.2 ' D09406' .28.' .20' 64"?05' C0D8"6' 73' "0IG 89D05' 850' 6A=2' 86' .7' ; 085' 7A.' .246' 89=409.' <54.05L6' 86605.479 ' 89D' =79="AD06' 246' 50C85F6' ; @' 68@49B 1 .28.' T .246' 0C : 0575' 79"@' 49' 790' 506 : 0=.' D0?48.0D' 357C' .20' : 58=.4=0' 73' 246' 49A90E' D48.0' : 50D0=066756 ' ?4*' ; @' D46=79.49A49B' .20' C49.8B0' 73' .28.' "85B05E64\0D' 64"?05' <24=2' 858E' =8""8' 496.4.A.0D' 75' 49D00D' 46' .20' 64"?05' 73' "0189D05L6' C790@' 73' 8' ; 0..05' SA8"4.@' ; A.' 58.205' C750' 4C : A50' 4967CA=2' .28. ' ; A.' 375' .20' .06.4C79@' 73' "8C : 54D4A6' 89D' 73' .2060' "0B09D6' 79' 246' =7 96 ' <0' 6279 D' 97.' F97<' .28.' "0IG 89D05' 28D' C8D0' 89@' =289B0' <28.0?05' 49' .20' C790.85@' 8338456' 73' 246' 0C : 450*U' * # *' M86' 508D' ; @' C46.8F0N' 79' 8' 6 ?05' =749' 73' &8" ; 8 ' 28?49B' 375' .20' . : 0' 73' 4.6

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"0?0560' 8' 30C8"0' 208D' <4.2' 89' 7948C09.' 57A9D' .20' 90=F*1 246' C0D8"' <24=2' 46' 97<' 49' .20' 509=2' C:0548"' 8;490.'286'B4?09'5460'.7'?8547A6' =793"4=.49B' 7:494796' 8C79B' .20' "08590D'' A.' '' 85.2t"0C@' 28?49B'8B849'C49A.0"@' 496:0=.0D' 4.' 89D' 8"67' =7C:850D' 4.' <4.2' 8' 64C4"85' 790' 49' .20' L 9905@' 7""0=.479' :57?0D' .28.' .20' =79G .57?056@' 79' .246' 8;;50?48.479' <86' 8' 377"462' 790' 89D' .28.' 4.' 46' .7' ;0' 508D' o ! $ * ' $!

#' # *1 246' "0B09D' 8:G :0856' 79' 8' .245D' ;5866' 73' A50"489' 79' <24=2' 46' .@:43"0D' .20' C:0575' 6.89D49B' 89D' .7' <27C' 4=.75@' :50609.6' 8' "8A50'' =57<9*1 97.205' .245D' ;5866' 73' .20' 68C0' 0C:0575' 0I24;4.6'.20' 34BA50' 73' 8' <7C89' ="7.20D' 49' .20' 6.7"8 * 7330549B' 8' =57<9' .7' 24C' ' 8' 6.85' 49' .20' 340"D' 73' .20' =749'' 9' .20' 0I05BA0' ' '' 5* 1 9D' 79' 897.205' C0D8'' 73' .20' ?68C0' C0.8"' 64\0' 89D' 504B9' 850' .20' 68C0' "0B09D' 89D' .20' 68C0' .@:0' 0I=0:.' .28.' 8' =8:.4?0' F900"49B' ;03750' .20' 0C:0575' 46' 6A;6.4.A.0D' 375' .20' 6.85' 49' .20' 340"D* 1 57C' .2060' =7496' :89E' 20"C' .8F06' 7==8647'9' .7' 894C8D?05.' A:79' .20' =5A0"' 689BA4985@' 89D' *3057=47A6' D46:764.479' <24=2' =2858=.0546OD' .246' =0"0;58.0D' :549=0'' 9' 38=.' 246.754896' 8B500' 49' 6:08F49B' 73' 24C' 86' 790' <27' 28D' 97' "066' 6.8490D' .20' 0C:450' ;@' 246' =5A0".@' .289' 20' 28D'506.750D' 4.' ;@' 246' ?4=.75406' B8490D' 7?05' .20' 85C8.4896' .20' &7.26' .20' 8"C@54896' .20' 58906' 1 ?4=.75406' <24=2' 8C79B6.'7.2056' 28D' B4?09' 5460' .7' .28.' C0D8'' 73' A50"489' 79' <24=2' 20' 46' 0.7<90D' ;@ 4=.75@' 89D' 2797A50D' <4.2' .20' B"'754796' 496=54:.479' 8;7?0' SA7.0D (' ' - ' :' a * F ' ' <4.2' .20' .@:0' 73' 8' <7C8A' 7330549B' 8' "8A50'' =57<9' .7' .20' C:0575' 8:.0856' 79' .20' 50?0560' 73' 8' 6C8"'' ;5866' ;08549B' 79' 4.6' 7;?0560' .20' :75.584.' 73' 8C6' M.20' 6A==06675' 7' 57;A6N' 89D' .20' 4C:47A6' 'D0D4=8.479' ' ' # ' # #' # *1 ' 9085"@' 98F0D' 34BA50' <4.2' .20' :8""4AC' 79' .20' 54B2.' 627A"D05' 89D' .20' 286.8' 49' .20' 54B2.' 289D' 733056' <4.2' 246' "03.' 8' B"7;0' .D' 897.205' 34BA50' 49' C4"4.85@' 28;4"4C09.6' 89D' "8A508.0D' 27"D49B' 8' 6:085' 49' "03.' 289D' 89D' 0I.09D49B' 246' 54B2.' 289D' .7<85D6' .20' :5733050D' 75;* 246' 8:.0856' .7' 6@C;7"4\0' KA:4.05' :"8=49B' .20' B7?059C09.' 73' .20' <75"D' 49' .20' 289D6' 73' 89' 0C:0575* 1 :89204C' 49' 8' 97.0' .7' 246' .5896"8.479' 73' .20' ' $' - ' B4?06' M:#, >N' 89' 09B58?49B' 73' .246' "0B09D' 89D' .@:0' 86' 357C' ?8547A6' A6A5:056' 73' .20' C:0548"' :A5:"0' .2050;@'?50G 06.8;"46249B' :08=0' .257AB27A.' .20' #7C8A' <75"D' 20' =79="AD06';@' 68@49B 1 V' 1 ' ' ' = = ' '#) ' ' ' + ' ' ' ! = ' ' # ' #' V f # ' #' ' I ' + ' ' ') '+ ' ' ' ' ' ' ' '0 IP' ' M' 44?4 ' 46*U 1 A.' .246' 0?0560 '46

#* =7CC79' .7' .20' =7496' 73' 8"05489' &8""40996' 76.ACA6' A50"489' 8=4.96' 57;A6' 89D' 8C6' 357C' 8' .245D' ;5866' 73' .20' "86.' 73' <27C' 89' 09B58?49B' 46' .8F09*

#* # * ' .9550.0D' 30C8"0 =57<949B' .20' C:0575*EEE # # # * 20' C:0575' 584649B' 8' 30C8"0' <2760' 208D' 46' .A550.0D' 8"67' .20' C:0575' <4.2' 6:085' 89D' C4"4.85@' 0964B96*1 # *# & #*' * 20' A9' 6.89D49B' 27"D49B' 8' B"7;0*# 1 20' 8:.0""8.4796' 73' T #06.7505' 73' .20' 86. U' T 73' .20' (75"D U' T 73' .20' AC89' #8=0 U' 86' 8:."40D'.7' 8"05489A6' 79' <2760' 64"?05' =7496' .20@' 8:.085' 850' 49D00D' T' C750' B"7547A6' .289' .C0*U 1' '''' .2500' C0D8"'6' <050' 6.C=F' 49' 89.4=4:8.479' 73' 8"05489L6' 6A==066' 8B8496.' .20' 0564896*' .' <86' 8' 38""8=47A6' 8ABA5@*' 20' 0?09.' 73' .246' 0I:0G D4.479' :57?0D' 64B98""@' D4686.57A6' 20' <86' .8F09' :5467905' ; ' 8:75' 89D' 83.05' 6A330549B' 0?05@' 6:0=406' 73' 49D4B94.@' C46058;"@' :054620D' .7' .20' D46B58=0' 73' 246' 679' 89D' 6A==06675' 8""409A6' 89D' .7' .20' D462797A5' 73' .20' #7C89' 58=0* # #' # *1 46' .2A6' =8""0D' 79' 8' 5850' B7"D' =749' <24=2' 286' .20' 34BA50' 73' .20' 6A9' 58D48.0D' 375' .20' .@:0' 73' 4.6' 50?0560' 89D' <24=2' <86' 6.C=F' 83.05' 246' ?4=.75@' 7?05' 89D' =8:.A50' 73' n097;48' <27' 28D' 866AC0D' .20' .4."0' 73' %A009' 73' .20' 86.' .20' 0564896' 89D' 5C094896' 28?49B' 8"67' @40"D0D' .7' .20' :7<05' 73' 246' 85C6*1 T' # ' 1 N 68@6' 7:46=A6' T __' , + ' ' ' 2' # #' # *1 9'8;5866' C0D8""479' M89D' 8"67' 79' 8' B7"D' =749N' 73' 8"096' .20' C04057'5' 46' 50:50609.0D' 6.89D49B' <4.2' .20' 48;85AC' 49' 246' 54B2.' 289D' 89D' ' 49' 246' "03.* 8"096';57.205' 73' 8"09.49489' .20' 456.' 46' 2050' 49' .20' :7C:7A6' 498C?.@' 73' 4C:0548"' D0=8DG 09=0' =8""0D' .20' #06.7505' 73' .20' 6 +) ' 73' #7C0*1 8?05=8C:' B4?06' 8' 64C4"85' 50?0560' 73' 8' ;5866' C0D8""479' 73' &58.48A4' ;A.' 4.' 6' 97.' 50G =7B9460D' 04.205' 49' 47990.' 75' 49' F05C89* # #' # 75' _h *1 20' CG :0575' M 57;A6N' 6.89D49B' 27"D6' E8' B"7;0' 89D' .20' (.8' 8' 4=.75@';0249D' 24C' <4.2' :8"C';589=2' 49' "03.' 289D' 27"D6' <4.2' 205' 54B2.' 289D' 8' =57<9' 8;7?0' 246' 208D* 1 245D';5866* 2050' 46' 897.205' 89D' 8' 58505' .245D';5866' =749' 73' .20' 68C0' B508.' 89D' <85"4F0' :549=0' 79' <24=2' .20' "0B09D' 46' B4?09' ' ' 49' F05E' C89L6' 8.8"7BA0' 89D' 73' <24=2' .20' .@:0' 46' .2050' D06=54;0D' .7' ;0' .20' C:0575' 6.89D49B' 27"D49B' .20' B"7;0' 89D' 6:085' 246' 54B2.' 377.' 79' 8' 08:.4?0' .20' A9' 6.89D49B' / 49' .20' 0405SA0' 4I4."* :08549B' 86' .246' "0B09D' D706' 79' =7496' 73' #) ' 4.' 605?06' 86' 89' 496.89=0' .7' 627<' .28.' 9AC46C8.4=' 0A"7B406' 850' 67C0.4C06' ;860D' 79

.5A.2' 89D' A6.4=0# 246' 4""A6.547A6' 5A"05' 73'.20' 7C89'0C:450'<86'49D00D';@'246'<46D7C'090446@'89D'?8"7A5'.20'496.C5809.'73'4.6'506.758.479'.7':08=0'89D'60=A54.@'*DA549B'.20'0547D'49'<24=2'20'79"@'.77';5403"@'3"7A54620D*

#'75'# # ' # #1 20' C:0575'6.89D49B'8.'8'68=5434=0/897.205'<4.2'.20'68C0'0:4B58:2'286'.20'.@:0'73'#7C0'608.0D*1 246'8:0856'79' '73' 0:.# 0?05A6'.7' <27C'.246'3"8..0549B'8::0 8.47A'<86'B4?09'D7A;."066'79'8==7A9.'97.'73'246'28?49B'04.205'50;A4".'75'0C;0""4620D'#7C0';A.'73'246'28?49B'506.750D'.20'2797A5'73'.20'T'.0598"# 4.@U';@8?09B49B'.206"08.2'73'05.4984'60=A50D'D7C06.4='.589SA4""4.@'.7'.20'0C:450';@'.20'D06.5A=.479'73'246'=7C:0.4.756' ";49A6'89D' 4B05'89D'C8D0'.20'#7C89' 98C0'8B849'506:0=.0D'8;578D';@'246'?4=.75406'7?05'.20' 85.24896*1 9'8'64C4"85'C89905'2A.'<4.27A.'.20'68C0':50.09=0'=7496'<050#6.5A=F';@'75D05'73'246'=A.E.2578.'679'858=8""8'49'D0D4=8.479'.7' $'86'.7'T' '6 ' $' ' ' 3 N

#' 1 # ' 1 # ' ' ' '" 1'& 1 1 1' 1 1 # E' 1 1 # & 1' *

2060'"0B09D6'850'8""#7A'=7496'73' 8D5489'<27'.58?0""0D'350SA09."@'7?05'89D'6A5?0@0D'<4.2'8..09.479'.20'D4330509.':57?49=06'73'.20'#7C89'C:450'496:0=.49B'.20'85C406'0C;0""46249B'.20'=4.406'89D'0?05@<2050'"08?49B'C85F6'73'246'"4;058"4.@'89D'CA9434=09=0*

2060'C89437"D':5773 6'73'67"4=4.AD0'375'.20'49.0506.6'89D':576:054.@'73'246'6A;0=.6'<050'.@:4340D'79'C0D8"6'<4.2'8'=8503A"9066'.28.'600C6'.7'28?0'89.4=4:8.0D'.20'50=75D6'73'246.75@'89D'49'8'?8540.@'73'C7D06'C76.'6A4.8;"0'.7'.20'=45=AC6.89=06'73'246'?464.6*1 7C0.4C06'.20':57E'?49006'850'50:50609.0D'64C:"@';@'8'34BA50'89D'67C0'8..54;A.06'86'79'8'3456.'5866'496=54;0D'& '<2050'8'<7C89'46'6009'608.0D'79'.20'B47A9 '28?49B'8.'205'300.'.20';45D';46'67C0.4C06'.20'=7496'73'.246'C76.'C8B9434=09.'73'0C:0575'6':50609.'.20C60"?06'86'67'C89@'C79AG C09.6'73'246'8554?8"8.'89D'5064D09=0'49'.2060':57?49=06'01:"8490D';@'.20'<75D6' ? 4 '86'375'018C:"0' '<4.2'89'898"7B7A6'.@:0'6A=2'86'.20' C:0575'89D'.20'&094A6'73'.20':57?49=0'6.89D49B'7::764.0'08=2'7.205'8.'89'8".85'68=5434=49B'4.20'&094A6';7"D49B'8':8.058'49'205'54B2.'289D'89D'49'205"03.'8'=759A=7:48'75'8'6=0:.50*1 .'7.205'.4C06'<0'600'.20'85C406'<24=2'20'496:0=.0D'D064B98.0D';@'.20

#* 98C06'73'.2045'506:0=.4?0'57?49=06'49'<24=2'.20@'<050'6.8.4790D'89D'D46.49BA4620D'3A5.205';@'67C0'.@:0'73'8""7=A.479'86'79'.20'"85B0';5866'+ # "?4 # # ' <4.2'.20' C:0575'79'27560;8=F'89D'37A5'67"D4056'79'377.';08549B'C4"4.85@'0964B96*1 01.'<0'7;6057?0'86'49'.20':50609.'=860'.28.'.20' C:0575'46'.05C0D' '6 '73'8':85.4=A"85':57?49=0'86'49'.20?'"85B0';579\0'C0D8"D0D4=8.0D';@'.20' 098.0L6'D0=500' # # ' <2050'79' 8D5489'46'50:50609.0D'01.09D49B'246'54B2.'289D'.7'"43.'A:'8'F900"49B'<7C89'89'A59'<4.2'8':8"C';589=2'49'4.'6.89D49B'49'.20'C4D6.1 75'49'.28.'73' # # ' <2050'.20

F900"49B'B094A6'286'8'58;;4.'8.'205'377.# 9D'"86."@'.7'=57<9'.20' 4C8I'73'D46.49=.479'97.'A9 A6."@'DA0'.7'.20';09038=.75'89D'50E06.8;"46205'73'67'C89@'=7C:7909.':75.4796'73'8'?86.'0C:450'<0'349D'8'C0D8"73'.20'68C0'64\0'89D'C0.8"'<2760'.@:0'0124;4.6 8D5489'49'.20'4C:0548"57;0'5846498'357C'205':76.A50'73'B0993"0I479'830C8"0'34BA50'<0854 9B'8'=57<9'73'.7<056'7A'205'208D'89D'27"D49B'8'B"7;0'49'205"03.'289D'<24"6.'.20""0B09D'49'790'0C:28.4='.4."0'D064B98.06'C'6 ') ' .20'#06.7505'73'.20'M#7C89M'<75"D#@ '2050'73'=7A560'46'C089.'0?05@"89D'4928;4.0D';@'=4.4\096'49'.7<96'89D'=A".4G?8.0D';@'8'=4?4"4\0D'5A58"#:7:A"8.479#:85.489A6'49'246'430'73'8D5489'7;605?06'U';'0 0 ' $ ' + + ' ' ' ' ' + N

20'6A4.0'73'.2060' + ' '" ' + 7'86'=F20"#=8""6'.20C'46'=7964D05G8;"0'49':749.'$'9AC;05'89D'D0605?0D"@'67AB2.'83.05';@'8"#=7""0=.756'73'.86.0'89D'49.0""4B09=0#7C0'73'.20C'850'?05@'5850'7.2056'850'6A334G=409."@'=7CC79*

' ' # # # # * 1 85=A6' A50"4A6'?32760'B508.'89D'B77D'SA8"4.406'86'8':549=0'62790'97'"066'49':08=0'.289'49'<85'28D'=05.849"@'8'A6.'.4."0'.7'.20'2797A5'2050';06.7<0D'A:79'24C' ' '73';049B'.20'8=F97<"0DB0D'6 ' $' 3.'375';064D06':8@49B':85.4=A"85'8..09G.479'.7'.28.':57?49=0N'86'.20'3456.'49'4C:75.89=0'89D'.20'908506.'.7'.20'=8:4.8"'20'C8@'.5A"@';0'684D'.7'28?0'506.750D' .8"@';@'8?05.49B'.20'D89B05'<24=2'8.'790'.4C0'4C:09D0D'7?05'205'357C'.20'689BA4985@'50?7."89D' .2508.090D'49?86479'73'.20'&05C896*1 246'.5896=09D09.'C054.'86'8?05=8C:'" '6 ' ' %'7;605?06'T'4.'8::0856'.7'28?0';009'.20'7;0=.'.7'C85F'49'.20'.@:0'73'.246'M"85B0';5866N'C0D8"#20' C:0575'6.89D49B'27"D49B'8'"89=0'89D

+' ' * # +' # ' * * a

="7.20D' 49' 85C7A5 ' 733056' 246' 54B2.' 289D' .7' 8' 30C8"0' 34BA50 ' <27' 286' 790' 2900' 79' .20' B57A9D ' 89D' <27C' 20' 86646.6' .7' 5460#' 246' 34BA50' 97.' 79"@' 286' 8' 58D48.0D' =57<9' 79' 205' 208D ' 2A.' C7507?05' 8' B"7;0' 49' .20' "03.' 289D ' ;0=8A60' 620' 50 : 50609.6' .8"@ ' 8' =7A9.5@' <24=2' .209' : 7660660D' .20' 0C : 450' 73' .20' <75"D*U 1 20' "0B09D' 73' .20' 50?0560' .0 6' 96' .28.' .20' =749' <86' 6.5A=F' <209' 85=A6' A50"4A6' <86' + ' 375' .20' 64I.2' 89D' ' '375' .20' .245D' .4C0' / .20' 496=54 : .479' 73' .20' 7 ; ?0560' 620<6' .28.' 4.' <6.' A9D05' 246' .<09.@E' 60?09.2' 5090<8"' 73' .20' .54 ; A94.489' : 7<05* 1 ' ' , [a* F '73' 8' =749 ' 49' 8.49' =8""0D' ' 89D' + ' 46' .20' 64D0' 7 : : 764.0' .7' .28.' 73' .20' 208D* # +' ' ' # +* 1 ' 49B' 73' AC4D48' 89D' 8A50.8948* # +' # * 1 246 .4."0' 89D' 98C0' 8 : : 085' 79' 89' 0"0B89.' 246.754=8"' C0D8"' 73' .20' R ' 38C4"@' "4479' ;5403"@' 8""AD06' .7' .20' 6A ; 0=.' 73' .20' .@ : 0' ;@' 50"8.49B' .28.' @548' 89D' 2m94=48' 28?49B' ;009' 8664B90D' .7' .20' B7?059C09.' 73' 50.86 ' ' 49B' 73' 58 ; 48' 0.5m8 ' <27' 28D' 73.09' D46.A5 ; 0D' @548' <4.2' 246' 49=A564796 ' 7C : 0@' .20' &508.' <8B0D' <85' 8B8496. ' 89D' D0"4?050D' 24C' 86' 8' =79SA050D' : 549=0'49.7'=8 : .4?4.@* 1 K760 : 2A6 ' 27<G 0?05 ' 4C : 85.6' 8' ="08505' 0I : "898.479' =79=0594 9B' .246' D09854A6'# 0' 68@6 .28. ' 8338456' 49' @548' 28?49B' ;009' 60.."0D ' 7C : 0@' C8D0' 246' : 50 : 8586 .4796' 375' 50.A5949B' .7' #7C0 ' 89D' =7CC4..0D' 8"" @548 ' 357C' .20' A : 258.06' 86' 385' 86' B@ : . ' .7' #) C 4A6' =8A5A6 ' <27' 4CC0D48.0"@' 8..8=F0D' 50.86 ' ; A.' .20' "8..05 ' C46.5A6.49B' 246' 7<9' : 7<05' .7' C8F0' 8' 6A==0663A"' 50646.89=0 ' 6A0D' 375' : 08=0' 89D' 7 ; .8490D' 4. ' ?8.' .20' 0I : 0960' 73' .2500' 2A9D50D' .8"09.6*0' 2060' .58968=.4796' .77F' : "8=0' ?*=#' >* 1 ==75D49B"@' .20' D09854A6' 8 ; 7?0' 8""AD0D' .7' M600' ' 89D' %' 620<6' .20' 58 ; 489' F49B' 86' 43' D46C7A93.D' 357C' .20' =8C0" ' M79' <24=2 ' 83.05' .20' 58 ; 489' 3862479 ' 20' 28D' ; 009' 54D49B N' 89D' F900"49B ' 86' 49' .20' 8=.' 73' 6A : : "4=8.479 ' 27"D49B' A : ' 89' 7"4?0' ; 589=2' M6@C ; 7" 73' : 8=434=8.479N ' 289B49B' 337C ?524=2' 850' .7' ; 0' 6009' M86' 8?04=8C : ' 286' 8"508D@' 7 ; 605?0DN' 34""0.6' 75' 54 ; ; 89D6 ' 8==75D49B' .7' .28.' <24=2' 45B4" kR ' ?444" , > N' C09.4796' / 1+ ' 4 7 ' ' ' ! ' + , ' ' + = ') '+ ' # +' # ' * 1 2050' 46' 8' C8B9434=09=0' 49' .246' "0B09D' M79' 8' "85B0' ; 579\0' C0D8"' 73' 9.7949A6' 496N' <24=2' 46' ; @' 97' C0896' 0I : 8.48.0D' A : 79' <4.2' =75506 : 79D49B' : 50=46479' 49' .20' 8998"6' 73'.28.' : 549=0L6' 504B9" 20' 0?09.' <24=2' 4.' =7CC0C758.06' 46' 790' 4""A6.547A6' 375' #7C0' / ' E ' ' ' ' _* 1 9' .20' .@ : 0' .20' C : 0575' 6.89D6' ="7.20D' 49' .20' ' 89D' 46' 49' .20' 8=.' 73' : "8=49B' 8' D48D0C' 79' .20' 208D' 73' .20' 90<' C7985=2" 20' "8..05' 46' =7?050D' <4.2' 8' 57@8"' C89."0 ' 89D' "43.6' 246' 54B2.' 289D' .7' 246' 208D* 1 7.<4.26.89D49B' .20' C89@' 3405=0' 89D' ; 4..05' =79.06.6' 73' .20' #7C896' <4.2' .20' 85.24896 ' 5C0948 ' 64.A8.0' ; 0.<009' ; 7.2' .2760' 0C : 4506 ' <86' 8==A6.7C0D' .7' 50=04?0' 4.6' 67?0504B96' 67C0G .4C06' 357C' .20' 790 ' 67C0.4C06' 357C' .20' 7.205* 1 ' =F20"' 7 ; 605?06' .28.' .2050' 46' 97.249B' .7' ; 7' B8.2050D' 357C' .20' 5' ' 73' 9.7949A6' <24=2' ; 0856' A : 79' .246' 0?09.' 0I=0 : .' <28.' 8 : 4.7"49A6' 289D6' D7<9/ # ' ')' ' + ' 5 ' 8 5' + 1 84 89.' 286' ; 009' "0D' .7' =79 0=.A50 ' 357C' 8' : 8668B0' 73' K8C ; "4=A6 ' SA7.0D' ; @' 27.4A6 ' .28.' .20' F49B' 73' 5C0948 ' 8 : : 749.0D' ; @' 9.7949A6 ' <86' 98C0D' A. ' 8".27AB2' .20' 7"D' <54.056' 28?0' 6=85=0"@' 89@.249B' .7' 68@ 79' .20' 6A ; 0=. ' @0.' .20' "0B09D' 89D' .@ : 0' 73' .246' 50?0560' A94.0' 49' : 57?49B' .20' 7==A5509=0' 73' 6A=2' 89' 0?09. ' 89D' 375C' 89' 8DD4.479' .7' .20' C89@' 496.89=06' 49' <24=2' C0D8"6' 850' 97.' 8' "4.."0' 605?4=08 ; "0' .7' 246.75@' 89D ' 43' 79"@' 79' .28.' 8==7A9. ' 850' <0"" 09.4."0D' .7' ; 0' D0 : 764.0D' 49' =8 ; 490.6' 89D' 6.AD40D' 86' 8C79B6.' .20' C76.' A603A" ' 86' <0"" 86' .20' C76.' =A547A6 ' C79A@ C09.6' 73' 89.4SA4.@* 1 246 : 749. ' 8C79B6.' 7.2056 ' \0F40" : 892=4C' 286' 8DC458 ; "@' D0C796.58.0D' 49' 246' B508.' <75F' ; ' # # +' # ' # #' ' ' * * 1 20' 0C : 0575 ' 6A557A9D0D' ; @' .2500' 34BA506 ' 46' 608.0D' 79' 89' ' 8.' .20' 377.' 73' <24=2' 6.89D6' .20' F49B' 73' 5C0948* 1 ' 456.' ; 5866' 73' A=4A6' 05A6* 6' 49' .20' =860' 73' .20' =749' 73' 9.7949A6' A6.' eD06=54 ; 0D ' 67' <4.2' 506 : 0=.' .7' .246' 73' 05A6 ' 6.5A=F' .<09.@E37A5' @0856' 83.05<85D6 ' ; A.' "4.."0" "4B2.' 286' ; 009' .257<9' ; @' 246.754896' 79' .20' 38=.' 73' ' T' F49B' B4?09' .7' .20' 5C094896 U' .27AB2' 50=75D0D' 89D' .@ : 4340D' 79' .246' 49.0506.49B' 50?0560* 1 ' 8 : 4.72AA6 ' 86' =4.0D' ; @' 546.89 ' 49' 8""A6479' .7' 05A6L6' =8C : 84B9 ' 68@6 ' T' <209' .20' <85' <86' .05C498.0D ' 20' B8?0' F49BD7C6' .7' F49B6 ' 89D' .20' B7?059C09.' 73' :57?49=06' .7' 246' 7334=056*U 1 ' 75' M8DD6' .20' 7"D' 509=2' 9AC46C8.46.N' T 5C0948' <86' 8' F49BD7C ' 89D' 90?05.20"066' 6j4C0.4C0"6' C8D0' 8' : 57?49=0' 73' ; @' .20' 0C : 05756" A.' 8 : 4.7"49A6' D706' 97.' D46.49=.'@' 68@' .28.' 0496' 28D' =508.0D' 8' F49B' 49' 5C0948" 7<' .246' C0D8"' 6A : : "406' <28.' .20' 246.75489' 286' 90B"0=.0D" .' 68@6' 49' .20' 496=54 : .479' .28.' .20' 0C : 0575' 06.8 ; "4620D' 8' F49B ' 8' 38=.' <24=2' 49' .5A.2' 46' 97.' 0"60<2050' C09.4790D" A.' 27.4A6 ' 79' .20' 8A.2754.@' 73' K8C ; "4=A6 ' 6.8.06' .28.' .20' F49B' 49' SA06.479' <86' 98C0D' F ' 89D' .28.' 20' <86' "4?49B' 49' 246' .4C 0 ' .28.' .246' : 549=0' <86' 679' 73' =280C0906 ' 89D' B589D679' 73' 568=06 ' 89D' D06=09D0D' 357C' B508.' F49B6 ' .28. ' 90?05G .20"066 ' 20' <86' 79"@' 8' #7C89' 6098.75 ' 89D' 2797A50D' <4.2' .20' =796A"85' D4B94.@*U' 546.89' B706' 79' .7' 68@' .28.' .246' F 5' <86' 8.' "09B.2' 8 : : 749.0D' F49B' 73' .20' B508.05' 5C0948' ; @' .20' #7C896' .28.' 20' <86' 83.05<85D6' D54?09' 357C' 246' .25790' ; @' 5' F49B' 73' .20' 85.24896 ' 89D' .28.' 20' 50E86=09D0D' 4.' A9D05' .20' : 57.0=.479' 73' .20' C : 0575' 05A6*

a ' # +' # ' # +' # * 1 9' 50?0560' 73' 8' D0985476' 73' &05C894=A6* 1 1) ' $$!" ' <4.2' 7.205' "0..056' 49D46.49=.' 574CD' 8' 98F0D' 208D' 73' &05E C894=446* 1 6 ' <7' 98"0' 34BA506' 6.89D49B' ' ;@ # +' % ' * 1 ==75D49B' .7' 479' MSA7.0D' ;@' 84""89.N' .20' 6 ' # ' 73' .246' 89D' .20' :50=0D49B' =749' <86' # + ' 679' 73' 5.8;8906* # +' % ' * 1 20' 0C:0575' 9.7949A6' ="7.20D' 49'*.20' .7B8' <4.2' 246' 54B2.' 289D' 7490D' .7' .28.' 73' .20' F49B' 73' .20' %A8D4* 1' 85B0' ;5866* .20' 64D0' 73' 790' 46' 496=54;0D' $ 6! ' ' ;0249g' .20' 7.205' $!" ' 246' =749' 49.57DA=0D' ;@' 5#' 7550"" ' <27' :57=A50D' 4.' 357C' ' 84685' .20' 89=409.' 8068508' 73' 8::8D7=48' 50=75D6' .20' =57<949B' 73' n097' 679' 73' 7"0C79' F49B' 73' 79.A6' ;@' &05C894=A6' .20' 98C0' ' !;049B' 50=04?0D' ;@' 24C' 357C' 5.818.8' .20' =8:4.8" 73' 5C0948# 20' =749' 46' 73' .20' 24B206.' 246G .754=8" 49.0506.' 89D' 46' 3A""@!01:"8490D' ;@' 8' :8668B0' 49' 8=4.A6' ' "4;# 44# =8:# > * 1 00' 8"67' .20' ' ' ?7"# 44# :# * # +' # ' * 1 246' 6A:05;' "0B09D' 73' <24=2' .2760' 73' 9.7949A6' 89D' 73' 05A6' 86' .7' .20' ' F49B6' 850' .7' ;0' 50B85D0D' 49' .20' "4B2.' 73' ' 8:0856' 79' .20' 50?0560' 73' 8' 3456.' ;5866' 73' 58 89' 89D' .7B0.205' <4.2' .20' & ' ! ' 73' .20' 68C0' 504B9' 8"508D@ 97.4=0D' 49' 4.6' 8":28;0.4=8" 75D05' 503056' .7' 0?09.6' .28.' CA6.' 28?0' ;009' 49' .20' 24B206.' D0B500' 3"8..0549B' .7' #7C89' :54D0' 89D' 8C;4.479# 7<85D6' .20' ="760' 73' 246' 504B9' .246' 4""A6.547A6' 549=0' 28?49B' =79SA050D' .20' 85.24896' 89D' D0.25790D' ' .2045' F49B' 4C:760D' 8' 90<' 67?0504B9' A:79' .20C' 89D' .20' 6=090' 73' .246' 4C:75.89.' .58968=.479' 46' 50:50609.0D' <4.2' =796ACC8.0' ' 79' .20' :50609.' C0D8"# (0' 600' 2050' .20' :05679434=8.479' ;3' 85.;48 F900"49B' ;03750' .20' 0C:0575' 86' 43' ' 8' F49B' 8.' 246' 289D6# 58 89' <27' 46' 608.0D' 79' 8' ' 8..09D0D' ;@' .20' =7CC89D05' 73' .20' 580.7548' BA85D6' =7C:"406' <4.2' .20' 50SA06.' ;@' B4?49B' 205' 790' <27C' 20' :749.6' .7' <4.2' 246' 289D# 20' 38=.' 46' 8..06.0D' ;@' .20' <75D6' 73' .20' 496=54:.479 1 '? ' ' ' '6 # +' # * 1 246' 46' 8"67' 8' ?05@' 5850' B7"D' =749' 8""A64?0' .7' .20' 68C0' .58968=.479' 28?49B' 375' .20' 0:4B58:2' 73' 4.6' 50?0560' $ 6' (1 [' 89D' 375' 4.6' .@:0' .20' F49B' 73' .20' 85.24896' ;09D49B' .20' F900' ;03750' 58 89' <27' 46' 6A557A9D0D' ;@' 67"D4056' 89D' C4"4.85@' 0964B96* 246' 46' 897.205' 73' .2760' 4C:0548"# C0D8"6' <24=2' "4F0' .2760' D06=54;0D' 8;7?0' 605?0' .7' 627<' .20' 64:054754.@' 8=SA450D' ;@' .20' #7C896' 7?05' 37504B9' 98.4796# 46.75@' 27<0?05' 46' 64"09.' <4.2' 50B85D' .7' .20' 38=.' 73' 9.7949A6' 28?49B' B4?09' 8' 90<' F49B' .7' .20' %A8D4# <27' <050' 8' :07:"0' 4928;4.49B' .20' "03.' ;89F' 73' .20' 89A;0' 7==A:@49B' .28.' .58=.' 73' =7A9.5@' <24=20' 97<' 375C6' :85.' 73' "7<05' A6.548' 89D' 01.09D6' 86' 385' 86' 758?48# 20' 246.75@' 73' .246' ;85;857A6' .54;0' <86' C750' 3A""@' F97<9" 49' .20' 6A;60SA09.' 504B9' 73' 85=A6' A50"4A6' .7' <27C' .20@' ;0=8C0' 375C4D8;"0* 1 0528:6' M68@6' =F20"N' .20' F49B' 2050' ?09' .7' .20' %A8D4' ;@' 9.7949A6' 46' .20' 68C0' 86' 20' 73' <27C' 8:4.7"49S.:' 6:08F6' M49' 246' "430' 73' 85=A6N/ /) ' 0 ' +) 6 ' F ' .2 D8AB2.05' 73' AC4.75' F49B' 73' .;0' ";896' <27C' 83.05' 620' 28D' ;009' =7960G =58.0D' ;@' 205' A9="0' CA"4A' 86' 8' ?45B49' .7' .20' 605?4=0' 73' 06.8' ;0=8C0' :50B989.' ;@' 856' 89D' ;57AB2.' 375.2' #7CA"A6' 89D' #0CA6* 1 9' 8' 60=79D' =749' 73' 9.7949A6' 4A6' 620' 46' 50:50G 609.0D' 28"3' 98F0D' 49' 8' 6"00:49B' :76.A50' 89D' 856' D06=09D49B'.7<85D6'205' .7' .246' 50C85F8;"0' =749' .2050' 46' 97' 7.205' "0B09D' .289' =76# 444#' 6*=* 6 ' .28.' =0"0;58.0D' 54?05' 97<' =8""0D' .20' 6 ' <24=2' 54649B' 49' .20' =2849' 73' .20' #260.489' ":6' M8C4D6.' .20' .055434=' 57=F6' 89D'*B"8=4056' 73' .20' &546796N' 3"7<6.257AB2' .20' "8F0' 73' 796.89=0' "* %':86.' 864"48' 75' * :' .209' .8F49B' 4.6' .5A0' D450=.479' .7' .20' 975.2E<06.' D4?4D0D' 89=409.' 4 ' 357C' 4 ' 89D' 0C:.406' 4.60"3' 49.7' .20' 608' .257AB2' .20' =7A9.5@' 73' .20' * ' 73' <24=2' ' * 7 $ 3 ' <86' .20' =8:4.8"* 1 20' .2500' &8""4=' V:57G ?49=06' 79' .20' <06.059' ;89F' 73' .20' #2490' =79G .8490D' 60?058" &05C89' 98.4796 1 98C0"@' .20' 89B47906' <2760' =8:4.8" <86' 75;0.7C8BA6' 97<' i ' 975.2' 73' <"44=2' <050' 7BA9.48=AC' 97<' ' 89D' 793"A09.06' 97<' ') M1' .20' 0C0.06' <2760' =8:4.8" <86' 7?47C8B96' 97<' F+ :' 89D' .20' 5427=4' <2760' =2403' .7<9' <86' 5B09.758.AC' 97<' F) ' 7<05' D7<9' 79' .20' 68C0' ;89F' 73' .20' 54?05' <050' 8"67' .20' +K;44' <2760' =8:4.8" <86' 7"7948' B54::498

M97<' ' 9 ' 67' =8""0D' 83.05' B54 : : 498 "8AD44 ' 89D' .20' ;A57906 ' <2760' =7A9.5@ ' 83.05<85D6' 7==A : 40D' ;@' .20' 249B54 ! 28D' 375' 4.6' :549=4 : 8"# =4.@' DA8.8=8 ' 97<' =8""0D' ' 1 9' .20' 086.059' ; 89F' 73'* ' <050' .20' 54644 ' 7==A : @G 49B' .20' =7A9.5@' <24=2' 97<' 375C6' : 85.' 73' ; ' ! ' 89D' 4 ' .' <86' 8=5766' .246' .58=.' .28.' 5A6A6 ' 49' 246' =8C : 84B96' 8B849D.' .20' &05C896 ' =8A60D' 8' =898"' 75'D@FO' .7' ;0' DAB ' =8""0D' K?"057' 8=A6 ' 86' 8' 375.434=8.479' 8B8496.' .20' 49=A5647 96' 73' .20' ; 85 ; 854896'# 9' .20' 68C0' ; 89F' <050' .20' 28A=4 4975O6' 89D' 8 7506 ' 73' .20' 58=0' 73' .20' A054 ' : 5846OD' ;@' 8=4.A6' 86' .20' ; 06.' 73' .20' &05C89' .54 ; 06# 9' .20' 086.' ; 89F' * 8"67' <050' .20' 8..4 ' 8' B508.' 89D' : 7<053A"98.479 ' <2760' =8 : 4.8"' <86' 8..4AC ' 97<') :' 89D' .7' .20' 67A.2' 73' .20C' <050' .20' 8..48=4 ' 7==A : @49B' .20' : 50609.' 0"0=.758.0' 73' ; '. 0

* 1 2050' 850' .<7' C0D8"6' 49' "85B0' ;579\0 ' .20' .@ : 06' 73' <24=2' 50 : 50609.' &05C8948' ?89SA4620D 1 8""AD49B' .7' 8' ?4=.75@' .7' <24=2' 7C4.489' 38"60"@' "84D' ="84C* 1 9' .20' 375C05' 8' &05C89 ' 79' 246' F900 ' 6A5509D056' 8' "79B' 6240"D ' .2.D' 46 ' 246' 85C6 ' .7' .20' 0C : 0575# 9' .20' "8..05' .20' ?849EB"7547A6' 7C4.489' .508D6' A9D05377.' .20' 2490 ' <24=2' 605?06' 2050' 86' .20' 6@C ; 7" 73' &05C89@*

28.' .20'54?05' : 056794340D' 79' .20'"86.EC09.4790D' C0D8" 64B94306' .20' 2490' M<24=2' 7C4.489 ' 86' n798586' <54.06 ' : 8660D' 7?05' 49' 246' 0I : 0D4.479' 73' * # N ' 46' 49D4=8.0D' ; @' 7.205' =7496' 64C4"85 .7' .246 ' 0I=0 : .' .28.' 86' 8.49' 89D' 750"" 28?0' D0"4908.0D' .200 ' .20@' 0I24 ; 4.' 3 ' <54..09' 49' .20' 0I05BA0* 1 6' =7496' 73' .20' 375C05' F49D' 850' =7CC79 ' 67' .2760' <4.2' .20' <75D' 3 ' 850' 73' .20' B508.06.' 5854.@ ' A9"066' : 0528 : 6' 4. 0' 68305' .7' 6A6 : 0 = .' .20C' 73' (@B' =7A9.05304.6 ' 375' 4.' 46' 0I=00D49B"@' 6.589B0' .28.' .20' 98C0' 49' SA06G .479' <86' A9F97<9' .7' 8 "89.' 89D' .28.' .20@' 850' 8"67' A9F97<9' 49' .20' 34906.' =7 0=.4796 ' 75' D706' 750 ' 8DD' .7' 246' 09B58?49B' 73' .20' =749' 89@' 5030509=0' .7' .20' CA60AC' <;6=2' =79.8496' 4 . ' <209=0' 4.' <7A"D' 8 : : 085' .28.' 20' 28D' 37 7<0D' 79"@' .20' 8A.2754.@' 73' 7.2056#' .' <86' 34?7C' .20' 2490' .28.' 85.48"' .7.34= 8' 6A ; 0=.' C8..05' 375' 8DA"8.479' <209' 8DD506649B' .20' : 549=0 : ' 20' 68@6/) ' ' 6 ' ' 1 , + ' 41# ?44* 6 ' $ 1 2050' 46' 897.205' 4C 0' 73' .20' 2490' 79' 8' =749' 73' 76.AC96' M49' B7"D' 89D' 64"?05N ' 49' <24=2' .20' 50=AC ; 09.' &094A6' 73' .20' C4B2.@' 6.508C' 46' 50 : 50609.0D' <4.2' .<7' 27596' ") %' 86' 49D4=8.49B' .20' ; 0"403' 73' 89=409.' B07B58 : 2056' .28.' .246' 54?05' C8D0' 4.6' 7A."0.' .7' .20' 608' ;@' .<7' C7A.26* 1 00' 4?6' # E # *

6 ' 75' 58.205' 6 ' 8' =4.@' 73' 067 : 7.8C48 ' 64.A8.0' 79' .20' D0="4?4.@' 73' 7A9.' 864A6 ' 9085' .20' 54?05' 28 ; 758 ' 8.' 4.6' : 749.' 73' =793"A09=0' <4.2' .20' A : 258.06 ' 97.' ?05@' 385' 357C' 855280 ' 89D' ="760' A : 79' .20' 086.059' 3499.405' 73' .20' 7C89' 0C : 450# 246' :"8=0 ' <24=2' <86' 49' 8' "8.05' 8B0' =8""0D' + ' 286' 375' 4.6' : 50609.' 98C0' 86E8"E849' M 648.4= A5F0@ ' : 57?49=0' 73' 485 ; 0F45N# .' <86' C8D0' 8' 3' ;@' 0 : .# 0?05A6 ' 86' 49D4=8.0D' ; @' 4.6' 866AC0D' 6A598C0' 73' F + ' 8D7 : .0D' 357C'

.28.' 73' 0?05A6L6' 38C @* 1 085' 2068498 ' .20' 056489' .89B' <86' 64B98""@' D0308.0D' 89D' 246' 85C@' : A.' .7' 3"4B2.' ;@' &75D489A6' * 1 "D' <54.056' 3A59462' 97' : 85.4=A"856' 506 : 0=.49B' .246' 067 : 7G .8C489' .7<9 ' ; A.' 4.6' =7496 ' <24=2' .8F0' .2045' D8.0' 3.E7C' .20' 504B9' 73' 8D5489 ' 375C' 49' .246' 506 : 0=. ' 8' 6A : : "0C09.8"' C79AC09.' .7' 246.75@* 1 ' 20@' =79646.' 73' "4 ?%?4CA : 0548"' 73' 858=8 8 ' 89D?73' 7"7948"' C : 0548"' 6A==0664?0"@' D0D4=8.0D' .7' "0I89D05' 0?05A6 ' .7' 58 89' 0=4A6 ' .7' 0509948' .5A6=4 8 ' 89D' .7' 050A94A6*E' 2060' "8..05' 28?0' 4 ?' "0B09D6' <4.2' 67C0' 30<' <75D6' 49' ' 75' 0I8C : "0 ' .2050' 46 ' 79' 8' ?05@' 5850' 60=79D' ; 5866 ' 6.5A=F' 49' 2797A5' 73' "0I# 0?05A6 ' .20' "0B09D' 4" ' 6 ' 8==7C : 8940D' ; @' .20' .@ : 0' 73' 8' 07"7946.' 8.' : "7AB2' <4.2' 7I09 ' .7B0.205' <4.2' 8' ' 79' <24=2' 46' 496=54 ; 0D' o & ' 49*' & o' ' ' 4

20' .@ : 0' 73' .20' ') ' ' 2050' 960D' 620<6' .28.' 2068498' <86' 8' ="79@ ' 89D' 4.' 46' .7' ;0' 7 ; 605?0D' .28.' 8".27AB2' .20' <75D' ' 1 9 ' D706' 97.' 8 : : 085' 79' .20' =749 ' @0.' 4.' D706' 8 : : 085' M49' &500F' =2858=.056N' 79' 897.205' 73' .20' 68C0' 0C : 0575 ' 89D' 8"67' 79' 790' 73' 5 4 89' 0=4A6 1 ') & ' 20' : 50609.' C0D8" 8"67' D097.06' .28.' .20' ?0.05896' 73' .20' 245D' &8""4= 0B479' <050' 60.."0D' 49' 2068498 ' <24=2' =4.@' D0308.0D' =7496' .7' "0I89D05 ' 86' 49' B58.4.AD0' ; 7A9D ' ; 0=8A60' .28.' B77D' 0C : 0575' 28D' 3500D' .20C' 34/7C' .20' D0?86.8.49B' : 50609=0' 73' .20' 05E' 64896 ' 86' A.57 : 4A6' 6.8.06 ' ; @' 246' <8B49B' <85' 8B8496.' .28.' : 07 : "0 ' 89D' B"7547A6"@' ?89SA46249B' .2045' F49B' 5.8I05I06* 1 20' 60=79D' ; 5866' 73' "0I89D05' 0?05A6' 89D' 73' 58 89' 0=4A6' 8 AD0D' .7' 8 ; 7?0' 0I24 ; 4.' .20' =7"7946.' 89D' 7I09 ' ; A.' <4.27A.' .20' ' 9' .28.' 73' 0=4A6' .2050' 46' 89' ' .@ : 4=8"' 73' 7C89' B7?059C09.# 2A6' <0' 28?0' .20' ' 86' 50 : 50609.49B' .20' =4.4\096 ' 89D' .20' ' 86' 6@C ; 7 \49B' .20" "0B47985@' ?0.05896* 1 T' / ' ' M0I="84C6' 84 8A.N ; ' ' ' 'hU' !

2050' 46' 897.205' .@ : 0' 73' .246' =7"79@ ' <24=2' H4F0' .20' .7"0C846' 73' 58 89' 8"508D@' SA7.0D N ' : 50609.6 .20' 34BA50' 73' 8' .A550.0D' <7C89 ' 64..49B' 79' 8' 57=F' <4.2' =759E0856 ' 89D' 8' 54?05EB7D' 8.' 205 ' 300.# 246' 46' C089.' 375' .20' &0944C' 73' .20' 4.@ ' <2760' C7A9.8497A6' 64.0' 46' 8"67' 2050' D097.0D ' <2 6.' .20' =759E0856' 605?0' .7' 49D4=8.0' .20' 8 ; A9DG 89=0' 73' <208.' : 57DA=0D' 79' 4.6' 305. 0' 67 # 20' C89' 0C05B49B' 357C' .20' <8.05' 50 : 50609.6' .20' 54?05' 28 ; 758 ' <24=2' 54649B' 357C' 7A9.' 864A6 ' 3"7<0D' : 86.' .20' <8"" 6' 73' 2068498*

6 1 246' 894C8"' M8==75D49B' .7' : 89E' 204CN' 49D4=8.06' ; 7.2' B8C06' 89D' <856 ' 4.' 46' 8"67' .20' 64B9' 73' 4C : 0548"' CA9434=09=0' 89D' 0.0594.@* 1 ' 20' 52497=0576 ' 86' =05.849' =7496' 73' 7C4.489' 620<' <86' 6009' 8.' 7590' 49' .20' .4C06' 73' .20' "8?489' 0C : 05756 ' 4.' ; 049B' 0I24 ; 4.0D' 49' .20' 60=A"85' B8C06* 1 =F20"' C09.4796' .2500' 6C8"" ; 5866' =7496 ' <0 ' : 50605?0D ' 49' .20' C : 0548"' =8 ; 490. ' ; 08549B' 79' .2045' 7 ; ?05606 ' ! #' ! ' 1_' & * ' 89D' 79' .2045' 50?05606' .20' 34BA50' 73' 8' 2497=0576 ' 357C' <2760' 697A.' 5460' .<7' 27596/ 73' .2060' .20' 790' 908506.' .20' C7A.2' 46' .20' "79B05' .20' 7.205' 8' .."0' 24B205' A : ' 89D' "066' : 57C4909.# 20' ') ' 46' .20' 58505' 6 : 0=406 ' .20

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0?058" =7496 73 ABA6.A6 89D 4;054A6 <4.2 89
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064B90D 83.05 6.8.A06 73 .20 ;06. 8B0?73 85.
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.2045 =79SA05756 6.8C:0D :9 790 64D0 73 .2045
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.20 7.205 64D0 . .
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50;759*1 20"C0.0D 34BA50 6.89D49B <4.2 8
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89D 64"?05 =7496 73 &8";8 <86 8 ?849 8SBA5@ 73
.20 #7C896 49DA"B49B 49 27:06 73 28:405 D8@6
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.28. .20 60685489 6.7=F ;049B ;@ .20 D08.2 73
057 97<0I.49=. #7C89 3500D7C =8C0 .7 8
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8B0 @7A C8@ 508D ! $ 375 % < 89D 7.205
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68C0 389=@ ;50?84"6 49 .20 <75D6
=* .20 * 46 7C4..0D*U
' # * * *1 #7C0 608.0D
8 20"C0. 79 205 208D 8 ?40.7547"8 49 205 54B2.
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<050 6.5A=F DA549B .20 8;7?0 504B9 <4.2 .20
.@:0 89D 496=54:.479 73 $ $
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50E06.8;"4620D A9D05 246 6A==066756*U 1)
6 : a*
' #* + *1 2050 46 8 3456.;5866
73 &8";8 <4.2 .246 "0B09D 73 6 6
M#7C0 506.750DN <24=2 1 8==7C:8940D ;@ .20
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& *

8.' ."40' D08.2' 73' 057' 89D' .20' 8==066479' 73' .20' ?0.0589' &8";8' <24=2' 46' 5030550D' .7' A9D05' $

& *1 # *1 06:86489' ?04"0D' 89D' ="7.20D' 49'.20' .7B8' 89D' 8' 30C8"0' 27"DE' 4AB' 8' 6240"D' 6.89D49B' ;@ 8' F900"49B' 30C8"0' <27C' .20' C:0575'46 84649B' A:'# $ ') 1' 9D:5' 4.0""496' .20' #7C89' 0C:450' 30""' 49.7' D0=8@' 89D' ='793A6479'# 664B949B' .20503750' .7' .28.' B"A..79' .20' C054.' 73' 506.7549B' #7C0' <86' 89' 8=.' 73' <50.=20D' 3"8..05@' 79' .20' :85.' 73' .20' 6086.04' 7' 06:86489' 79

a # K *

85C6 ' 89D <86 C8D0 + $ ' ' 75 8D0
C458 " ' 99D05 796.89.490 +*' ;@ <27C ; 0 <86
83.05<85D6 D0="850D ABA6.A6 ' 89D 8667=48.0D 49
.20 0C :450 8.' .20 68C0 .4C0 20 C85540D 0"098 '
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: 205 6 ;45.2 ' 20 28D .8F09 86 246 4C : 0548" =7"G
"08BA0 ' a 20 D40D 49 8 C7986.05@ '
a *1 #7C89A6 89D 246 679 2546.7 : 205 A94.0D
79 =7496 850 =8""0D ' 2 6 s ! % '
46 C0D8"6 850 C76.'5850 ' ; 7.2 49 B7"D 89D 64""?05*
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796.89.4996 +# 75 : 2@57B094.A6 89D 73 0"098 '
D8AB2.05 73 7C89A6 0=8 : 09A6 ' ; 759 8.' 79G
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30<' D8@6 ; 03750 .20 D08.2 73 .28.' C : 0575 ' 89D
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850 97 8.49 496=54 : .4796 79 .246 0C : 0575L6 C0D8"6
<24=2 850 8"" 05.50C0"@ 5850*
6 ' *1 57C =05.849 =7496 73 7CE
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' 1 E ' 46 : 57?0D .7 28?0 ;009 09.05G
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; A.' 50=75D0D 86 8 <75F 8=.A8""@ <57AB2.' <4.2
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; A"" 89D 8 =7<# 00 =7. # .
* 1 00 * ' $ ' '
; ' 6 ' ' *1 9 8 =749 73
7CC7DA6*

' &*

** k6 7
#7C0 89D ABA6.A6*N * 1 '
(E ' 64"?05 C0D8""479 49 .20 CG
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7*O?*' 89D ; 0856 .246 496=54 : .479 79 4.6 50?0560#
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09B58?0D# 00 - ' ! $
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V + ' 0 ' ' +)
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: 07 : "0 73 8"=20D79N ' ' ' '+
' 'F 1 '6 1 , / , ' + :'
') '0 '+ ') 8 '
1 =F20" ' 83.05 C8F49B .20 8 ; 7?0 =4.8G
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7.205 89D C76.' D0=4647?0 0?4D09=06 .28.' .20
.0C : "0 49 SA06.479 <86 .28.' 73 05B8CA6 M97<
* % ' .20 =8 : 4.8" 73 8 : 57?49=0 73 648
M 4975N# 246 49 .20 3456.' : "8=0 46 : 57?0D ; @
8=4.A6 (' ' F * ' 0 ')'
*1 , ' + ' + ' # ' ' '
+) ' 7 =7557 ; 758.0 .20 38=.' .2050 850
8"67 &500F 7496 73 05B8CA6 6.5A=F ' 97.' 79"@
83.05 ABA6.A6L6 . 2 ' ; A.' DA549B 246 "430.4C0
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49 246 289D ' <4.249 8 .0C : "0 496=54 ; 0D '
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7.205 =7496 6.5A=F 8"67 49 .20 8B0 73 ABA6.A6
8.' .20 68C0 =4.@ 73 05B8CA6 46 6009 .20 208D
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& ' M 08C #7C8CN* 1 9D "4F0<460 79 8
05B8C89089 =749 49 .20 C : 0548" A60AC '
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.0C : "0 ' <4.249 <240 2 ABA6.A6 6.89D6 89D 27"DG
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Y375 4.6 .@ : 0 8 .0C : "0 73 37A5 =7"AC96 <4.2 .20
6.8.A0 73 .20 0C : 0575 49 .20 : 75.4=7 ' 89D .20
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8 ; 7?0 ' 4.' <4"" ; 0 8 : : 8509.' 097AB2 .28.' .20 07496
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8".27AB2 .20@ C8@ D43305 49 "89BA8B0 @0.' <050
6.5A=F 49 79D 89D .20 68C0 =4.@ ' 98C0"@ 49
05B8CA6# .4"" C750 8 : : "4=8 ; "0 .7 .20 : 50609.'
C0D8" 850 .20 <75D6 73 479 <27 83.05 28?49 '

6.8.0D' .28.' 80685 28D' : 05C4..0D' 8' .0C : "0' .7' ;0' 050=.0D' 8.' : 20688' 89D' 8.' 4=608' 49' 2797A5' 73' ' 7C0' 89D' 38.205' KA"4A6' 8DD6' ' ' ?) '0 5' 1 5' + ' ++) ' ' ' * '0 0 ' + ' $ ' F - F' 0 ' # ' * 3 ' ' ' 20503750' .2760' 8"67' 850' 648.4=6' <27' 79' .246' =749' =8"" .20C60"?06' ' 1) ' ' 89D' <27' 627<' .28.' 4.' <86' : A5 : 760D' .7' 58460' 8.' .2045' 7<9' 0I : 0960' .20' .0C : "0' # 80' ⁄ & 4⁄ 1 00' .20' <75D' ' 1 '75' ' 1 # ⁄ ⁄ &* 1 9' 8".85' 54=2"@' 7598G C09.0D' ;0.<009' .<7' =7"AC96' 6A5C7A9.0D' ;@' 4=.75406' <27' .20C60"?06' ;085' 7.205' ' $' 3' 89D' : 8"C6⁄ 9' .20' 38=0' 73' .20' 8".85' .<7' 4 ' 6A : : 75.' 8' =57<9' : "8=0D' ;0.<009' .<7' : 4906⁄ 9' 8' ;5866' C0D8 479' 73' A 6.96' 8"67' 79' 3456.' 89D' 60=79D' ;5866' 73' .20' 68C0' 0C : 0575' 89D' 73' 246' 6A==06675 4 ; 054A6⁄ 2050' 46' 8' 6 : "09D4D' ;579\0' C0D8""479' 73' 4 ; 054A6' <4.2' 246' : 75.584.' 89D' 44 ⁄ " 3' & ' ' ! # 3 ⁄ 79' .20' 7 ; ?0560 1 89D' .246' 68C0' .@ : 0' 73' 89' 8".85' 89D' <7' 4=.75406' <4.2' 2 ' 2 ' & ' 79' .20' 50?0540 1 49' .20' C : 0548" 8 ; 490.' 8.' 40998⁄ 9.4SA85406' 49' .508.49B' 73' .2060' 07496' <24=2' 850' .7' ;0' 37A9D' 49' 8"" "85B0' =7""0=.4796' 28?0' 8D7 : .0D' ?8547A6 7 : 494796 =79=05949B' .20C⁄ C79B6.' .20' C750' C7D0C' <54.056' 5030509=0' C8@' ;0' C8D0' .7' =2"0B0⁄ 89D' 8?05=8C : ' ;7.2' 73' <27C' 50B85D' 4.' 86' ;0@79D' 8' D7A ; '. '.28.' 8"" 73' .20C' <050' 6.58=F' 8.' #7C0' 2A.' D43305' 357C' 08=2' 7.205' 49' 8664B949B' 5086796' 375' .2045' 28?49B' ;009' : A ; "4="@ 6.8C : 0D* 1 =F20⁄ 79' .20' =79.585@ 86605.6' 89D' 49' .20' C76.' C86.05"@ <8@ C8F06 B77D' 246' 7 : 49479' .28.' .20@ 850' 8"" 73' 37504B9' <75=FC89624 : * 1 =2"0B0⁄ .249F6' 4.' 6A3"4=409."@ : 57?0D' 357C' .2060' =7496' .28.' 0?09' <24"6.' ABA6G .A6' "4?0D' 89' 8".85' <86' D0D4=8.0D' 49' .20' =4.@ ' 89D' 8' .0C : "0' ; A4".' .7' 246' 2797A5' 89D' .28.' .246' <86' D79D' 8 ; 7A.' .20' @085' ?*=⁄ , ' 86' 79' .20' =749' 4.60"3 ABA6.A6' 46' =8""0D' % ' 6 ' ' 89D' 7C507?05' 20' 98C06' 357C' 0I⁄ #A3A6' .20' 50B479' M73' #7C0N' 49' <24=2' .2060' 68=50D' 6.5A=.A506' 6.77D⁄ A.' .28.' 67' "79B' 86 ABA6.A6' "4?0D' 97' D4?49D' 2A97A5" <050' : 84D' .7' 24C' 49' .20' =4.@ ' 46' : "8=0D' ;0@79D' 8' D7A ; '. ' ;@' .20' 85BAC09.6' 73' =F20⁄ 79' .20' C0D8"6' 73' 4??6' ABA6.A6⁄ 20' =7496' 49' SA06.479' ' .20C3750' ' =7A"D' 97.' 28?0' ;009' 6.5A=F' 49' #7C0' 4.60"3' DA549B' .20' "430E.4C0' 73' .28.' : 549=0⁄ 6' 27<0?05' 357C' A0.794A6' 89D' 7.2056' 4.' 46' ="085' .28.' 8".856' 89D' .0C : "06' <050' 0?05@G <2050' 06.8 ; "4620D' 49' .20' : 57?49=06' ' .7' .20' 749.' ⁄ <75624 : ' 73' ⁄ ' 89D' ' 8?05=8C : ' 6.589B0"@' 50=79=4"06' 24C60"3' .7' .20' 97.479' .28.' .2060' C0D8"6' 850' 73' #7C89' D40' ;@ 6A : : 7649B' .28.' .20' 6098.0' <4620D' ; @' .246' .@ : 0' .7' 0?49=0' .20' 506 : 0=.' 73' .20' = 79SA050D' : 07 : "0' .7<85D6' .20' 0C : 0575' ; A.' .28.' D4?490' <75624 : ' 28D' 97.' ; 009' D0=500D' .7' .20' "4?49B' : 549=0' 49' .20' =4.@ 4.60"3⁄ 1 9' .2060' .<7' 7 : 494796 =F20⁄ : 86606' ADBC09.' .7' .20' 37""7<49B' 0330=./ 1 T' ?09' .27AB2' <0' C8@ 8554?0' 8.' .20' =79="A6479' .28.' 8"" .2060' =7496 & ' 6.5A=F' ; 0@79D' .20' <8""6' 73' .20' =4.@ ' 49' 67C0' 790' 75' 7.205' 73' .20' : 57?49=06' 4.' <4"" 97.' ; 0' 900D3A⁄ 04.205' .28.' <4.2' =2"0B0" ' 8B8496.' .20' 8A.2754.@ 73' 246.754896' .20' C76.' <75.2@ 73' ; 0"403' <0' 627A"D' 5862"@ 86605.' .28.' ABA6.A6' <24"6.' 6.4"" "4?49B' 50=04?0D' .20' 2797A56' 73' 07960=58347⁄9 * :' 75'.28.' <4.2' 8?05=8C : <0' 627A"D' D0?460' .20' 0?86479' 8 ; 7?0EC09.4790D⁄ A.' ' 28?0' : 57736' 97.' 8' 30<' 89D' .2060' 73' .20' C76.' ?8"4D' F49D' .7' 620<⁄ .28.' .246' C790@ <86' =7490D' 8 ; 578D* ⁄ ABA6.A6' .27AB2' 20' 375 ; 8D0' D4?490' <75624 : ' .7' ;0' : 84D' .7' 24C' 49' .20' =4.@ ' 8""7<0D' 4.' 3500"@ 7A.' 73' #7C0⁄ 57C' 8' C866' 73' .06.4C7940' .77' 9AC057A6' .7' =4.0' 8.' "09B.2 ' ' 628""⁄ 8DDA=0' 67C0' <24=2' 6 : 79.8907A6"@' 7==A5' .7' C0⁄ A0.794A6' 68@6I⁄ # ' '+ 0 ' + ' + ' ' ' '0 0 '0 0 '+ ' ++ ' ' ' ' AB⁄ =⁄ I4⁄ 20' .06.4G C7940' 73' 8=4.A6' 89D' 73' : : 489A6' C8@' ;0' 8DD0D' 357C' <24=2' 4.' : 85."@ 8 : : 0856' .28.' D4?490' 2797A56' <050' : 84D' .7' ABA6.A6' 79' .20' D0308.' 73' 0I.A6' 7C : 0@' 89D' .20503750' 085"@ 097AB2⁄ (0' 28?0' 8"508D@' 97.4=0D' .20' 8".85' 050=.0D' ' ABA6.A6' 8.' 8558=798⁄ 79=05949B' .28.' 8.' ABDA9AC' .58 ; 7' 6.8.06' 4.' <86' 050=.0D' .7' ABA6.A6' <4.2' 8' .0C : "0' 8.' .20' =793"A09=0' 73' .20' 54?056' M.20' 8790' 89D' #2790N' 49' .20' 98C0' 73' .20' &8A"462' 98.4796' 75' : 07 : "06' 64I.@ 49' 9AC ; 05⁄ A0.794A6' 289D6' 4.' D7<9' .7' A6' .28.' .246' 8".85' <86' D0D4=8.0D' ?*=⁄ ' ' ; A.' 479' 49375C6' A6' .28.' .20' 306.8" D8@' 73' ABA6.A6' 28D' 8"508D@' ;009' =0"0 ; 58.0D' .<7' @0856' ; 03750' 8.' .20' 8".85' 73' @796⁄ 4?@ C7507?05' 97.4=06' .20' D0D4=8.479' 73' 89' 8".85' .7' r 685' M ABA6.A6N' 8.' .20' =793"A09=0' 73' ' 89D' * ' M 8790' 89D' #2790N' 89D' .20' 8 : : 749.C09.' 73' ⁄ KA"4A6' 050A9D854DA ; 4A673.20') DA⁄ 86' : 5406.' 73' .20' 68C0⁄ 9' 0 : 4B58 : 2' 49' &5A.05' C8F06' C09.479' 73' .20' 8".85' 050=.0D' 8.' 85 ; 7' ") %' ;@ 85.496' 89D' .20' : 5406.' 73' .20' 8".85' 73' #7C0' 89D' ABA6.A6' C09.4790D' 49' 496=54 : .479' 37A9D' 8.' "4@796⁄ A.' <28.' 6.4""⁄ C750' ="760"@ 8 : : "406' .7' .20' : 50609.' =7496' ' 28?0' ; 57AB2.' 375<85D' 60?058⁄ .06.4G C7940' 6A9D05' .20' @085' ?*=⁄ H[' ^600' ' ' 4 ' 2' 8 ; 7?0Q' .28.' 0?05@<2050' .257AB2G 7A.' .20' : 57?49=06' .0C : "06' <050' D0D4=8.0D' .7' * ' '8.' .20' 68C0' .4C0' .7' ' '8DD' .7' .2060' .20' 496=54 : .479' <24=2' M86' C09.4790D' ;@ 7=7=FN' .7' .246' ?05@ D8@ 46' 508D' 8.' 7"8' 49' 6.548' 496=54 ; 0D' 79' .20' 3579.6' 73' .20' .0C : "06⁄ $' & ⁄ ⁄ ⁄ ⁄ ⁄ ⁄ *U EEEE 3.05' 28?49B' SA7.0D' K760 : 2A6L6' 46.75@' 375' m68508' 49' 8"06.490' 2462A""L6' ' ' 375' @"60' 49' 8548' 89D' 89=409.' C85 ; "06' 375' 05B8CA6' 89D' 7.205' =4.406' 49' 648' .7' 620<⁄ .28.' 49' .20' &500F' : 57?49=06' 73' .20' 0C : 450' .0C : "06' <050' =7960=58.0D' 89D' 496=54 ; 0D' .7' ABA6.A6' 89D' .28.' .20' <75624 : ' : 84D' .7' 24C' 49' 246' "430E.4C0' <86' 8667=48.0D' <4.2' .28.' .7' #7C0' .20' "08590D' D9D' 8=A.0' 8A.275' 73' . ' ' ' : 57=00D6' ⁄ ' 7' 7 ; 605?0' .28.' T' .20' M50"4B47A6N' ?09058.479' 749."@' : 84D' .7' 08=2' 73' .20' D4?494.406' M#7C8' 0.' ABA6.A6N' 46' 8"67' C85F0D' ; @' .20' =7496' .20C60"?06' <24=2' <050' D7A ; ."066' 6.5A=F' ') N 1 (4.2' 50B85D' .7' .20' C0D8" 8 ; 7?0' D06=44 ; 0D' <24=2' 0I24 ; 4.6' .20' .0C : "0' 050=.0D' ; @' ' 1 ' ' # WW' ' & W' =F20" 0I : 506606' 246' ; 0"403' .28.' T' 97' 790' <7A"D' <462' .7' D09@' .28.' 86' 8' .0C : "0' 06.8 ; "4620D' 49' 648' 4.60"3' 46' .2050 ; @ 49D4=8.0D' 67' 8"67' .20' C0D8""479' 4.60"3' <86' 6.59=F' 49' 648' 89D' .20503750' 375' .20' =7496' 97<' 49' SA06.479' 8' =7A9.5@ 37504B9' .7'

a # ' + &*

#7C0 C 86..0 67AB2. 3 .2060 =7496 28D ; 009 6.5A=F 49 T .''40 =4.@h .2050 <7A"D 97.' 28?0 ;009 <89.49B .20 C85F 6 =" "F % ' <24=2 79 ;5866 C790@ 73 866A50D"@ #7C89 D40 6.5A=F A9D05 ABA6.A6 4.' <86 90?05 .20 :58=.4=0 .7 7C4. 89@ :57736 73 .246 850 D054?0D 357C C0D8"6 73 .20 "85B06.' 64\0 ;A.' 73 .246 8B0 .2050 850 9790 73 6A=2 ?7"AC0 =74A0D 8.' #7C0 97.' 8 30<' 27<0?05 8 : :085 <24=2 <050 6.5A=F 49 :849 89D 49 7.205 =7"79406 (0 28?0 0I.50C0"@ 30<' =7496 49 "85B0 ;5866 73 #7C89 D40 79 .20 7 ;?0560 73 <24=2 .20 208D 73 ABA6.A6 20 6 4"" "4?49B <86 09B58?0D .' 46 .20503750 49 97 <8@ :57 ; 8 ;"0 .28. .20 C49.E C86.056 49 6.8C :49B =7496 73 .246 F49D 627A"D 28?0 <4620D .7 493549B0 A:79 .20 =A6.7C 73 246 8B0 86."@ 3 .2045 38 ;54= ;0 018C490D .20 0@0 8==A6.7C0D .7 496:0=.' =7496 <4"" 0864"@ :05=04?0 .28.' 4.' D43305 60 I=00D49B"@ 357C .28.' <24=2 46 37A9D :0=A"485"@ .7 D46.49BA462 #7C89 <75FC89624:' 9D00D ."4050 46 49 .20 C :0548" A60AC M8. 40998N 8 =749 73 .246 F49D 01.89. <4.2 057L6 208D A:79 4.' 73 8 38 ;54= 67 ;85G ;857A6 89D <4.2 .20 "0..056 73 .20 50?0560 67 B8:49B .28.' .2050 46 0?4D09."@ 97 "4F0"4277D <28.0?05 73 4.6 28R44B 6009 .20 "4B2.' 49 #7C0 7 790 .20503750 M68@6 =F20 49 =79="A6479N <4"" 97< .249F S.406.479 .20 38=.' .28.' 8"" .2060 =7496 <050 0I0=A.0D 8.' 8 D46.89=0 357C #7C0 "4.' 4.' 46 "066 6830 .7 28\85D 89 7:49479 86 .7 .20 :85.4=A"85 =4.@ @24=2 ;57AB2.' 375.2 .246 =7CG C7D4.@' 375 .20C<75624:' 73 ABA6.A6 86 C8@ .2A6 385 ;0 6009 <86 :50?8"09.' 49 8"" .20 :57?49=06 73 .20 #7C89 <75"D "" .249B6 DA"@ <04B20D .20 6A::764.479 C8@ 8.' "09B.2 ;0 8""7<0D .28.' .2760 D4?490 2797A56 84D .7W ABA6.A6 8.' @796 " 3 4 % CA6.' 28?0 ;009 79 .20 D8@6 73 246 98.4?4.@ 246 7:49479 46 .20 C750 6.579B"@ =7A9.0989=0D ;@ .20 24B2 =0"0;54.@' 8.' .28.' :0547D 73 .20 8;7?0E 98C0D .7<9 49 <24=2 ABA6.A6 24C60"3 5064D0D C89@ @0856 .28.' 20 C4B2.' F00:' 8 <8.=2 357C 4.6 904B2;7A5277D 7?05 .20 .A5;A"09.' &05C8961 4;054A6 89D C6A6 8"67 73.09 .77F A:' .2045 8;7D0 49 .28.' =4.@' 97.' .7 68@ 89@.249B 73 4.6 ;049B .20 ;45.2:"8=0 73 .20 C:0575 "8AD4A6 20 =2403 508679' 27<0?05' 375 86=54;49B .2060 =7496 .7 4 46 .20 8".85 4.60"3 73 ABA6.A6' .20 4C8B0 73 <24=2 46 67 =796:=A7A6 79 .2045 50?0560 1 89 8".85 =7960=58.0D <4.2 :85.4=A"85 D0?7.479' 89D 8==75D49B .7 .58;7 49 .20 98C0 73 8"" 4 :' 4967CA=2 .28.' .20 D8@ 79 <24=2 .2760 50"4B47A6 67"0C94.406 <050 :05375C0D' <86 C8D0 8 306.4?8" 49 :05:0.A4.@ 89D .246 =A6.7C 7;.8490D A:' .7 .20 8B0 73 479 20 68C0 <54.05 8"67 50"8.06 .28.' .20 =2403 C09 73 &8A"' DA549B .20 "430E.4C0 73 ABA6.A6' 8660C;"0D .7B0.205 0?05@ @085 79 .20 8994?05685@ D8@ 73 .20 306.4?8" .7 50 90<' .2045 ?7<6" 75 <86 .20 =4.@ ^73 @796 <4.27A.' 8 C49." 0$$ %:' 375 .58;7 0I:5066"@ 6.8.06 .28.' ;7.2' B7"D 89D 64"?05 C790@ <86 6.5A=F .2050" .' 46' .20503750' 0I.50C0"@ :57;8;"0 .28.' 79 .20 7==8647 73 ABA6.A6L6 306.8" D8@' .2060 =7496 <050 .209 6.5A=F 89D D46.54;A.0D 8C79B6.' .20 =7CC79 :07:"0" 7 .20 68C0 =4.@ 73 @796' 49 8"" "4F0"4277D ;0"79B6 89 496=54:.479 M=4.0D ;@

2 1

A58.754N 49 <24=2 " KA"4A6 46 =8""0D " * & " % " * =7 98C0"@ 73 .20 #2790 89D .20 87A0 "6 7' 9085 <24=2 <0 600 357C .58;7' .246 8".85 6.77D* 1 . ' ?7"* ?4*:: ,H[,H * 20 8A.275 73 ' 4 3 0 49375C6 A6 M.* 44* :* ,> N .28.' .20 =7"AC96 73 .246 8".85 28?0 ;009 68<9 49 .<7' 89D 375C 8.' .20 :50609.' D8@ .20 :4""856 <24=2 6A::75.' 75' .20 85=20D 5773' 73 .20 2A5=2 73 46C8@' 8.' *?79* # O * &*1 9D05 .20 208D 73 T ' $ ++= ' ' 6 V .20 49.0""4B09.' 8A.275 73 W ^ ' ' 0 6 VV M:* >E N 286 B4?09 86 89 A90D4.0D =749 8 60=79D ;5866 73 ABA6.A6 28?49B 79 4.6 7;?0560 .20 "8A508.0D 208D 73 .28.' C:0575 <4.2 "0B09D 73 " *'# ' 6 ' 89D 79 .20 50?0560 .20 <75D6 ' ' 89D .20 .@:0 8"508D@ 97.4=0D 73 89 8".85 ;0.<009 .<7 4=.75406 :"8=0D 79 :0D06.8" 75 =7"AC96* 20 37""7<49B 850 .20 50C85F6 73 .246 AD4=47A6 <54.05 79 .20 8;7?0 649BA"85 ?8540.@ 73 8 <0""E F97<9 =749 / 1 0 20 8;"06.' 89.4SA85406 8B500 49 50B85D49B .20 C0D8"6 73 .246 .@:0 86 97.' ;049B 73 #7C89 D40 73 <24=2 49D00D .20@ 0I24;4.' 904.205 .20 <75FC89624:' 975 .20 D46.49=.4?0 C85F 6*=* 1 .' 46 6A::760D .28.' .20@ CA6.' 28?0 ;009 6.5A=F 8.' @796 <2050 8 .0C:"0 89D 89 8".85 28D ;009 050=.0D ;@ 64I.@ &8A"462 .5 ;06 .7 6 89D .7 0D1 0 .;0S B706 79 .7 68@ T 246 68C0 .@:0 46 37A9D 8B849 79 .20 8;7?0 D06=54;0D C0D8" ' ;A.' <4.2 8 "0B09D =8"=A"8.0D .7 0I=4.0 .20 =A54764.@ 73 .20 "0859 0D" 40 <75D M75 <75D6N ;0"7<' .20 8".85 9 ' A / D706 4.' :50609.' .20 98C0 73 790 73 .20 64I.@ :07:"06' 75 73 67C0 C8B46.58.0 75 58.205 46 4.' 89@.249B C750 .289 8 D030=.4?0 M75 ;"A9D050DN 496=54:.479 40 <75D M75 <75D6N ;0"7<' .20 8".85 9 ' A / D706 4.' :50609.' .20 98C0 73 790 73 .20 64I.@ :07:"06' 75 73 67C0 C8B46.58.0 75 58.205 46 4.' 89@.249B C750 .289 8 D030=.4?0 M75 ;"A9D050DN 496=54:.479 0 .246 86 4.' C8@ .20 =749 49 SA06.479 <86 37A9D 49 5 B 1 589=ON*U 9 .20 09B58?49B .20 3456.' 0..05 600C6 C750 "4F0 6 .289 7* # # (7"3 89D <496*1 # # 8C0 .@:8 1 9 =7 96 73 *1 "40 0:4B58:2 46 .7 ;0 508D 6K 6 *1 28.' 46 .7 68@ 858A64A6 <506.6 8 :85.' 73 .20 #7C89 0C:450 357C .20 289D6 73 47="0.489 89D 814C489 89D 0I=A606 .20 57;;05@ A9D05 89 2797A58;"0 .05C (& $ 6 6 75 6 8 =7"79@ 37A9D0D ;@ KA"4A6 r685 49 46:8A48 80.4=8 97<XF 49 9D8"A648* 1 .' 46 8==75D49B .7 ;7.2 "49@ 89D .58;7 .20 68C0 :"8=0 86 ; + ' ' :' 89D 4.' <86 64.A8.0 79 .20 ;89F6 73 .20 #4?05 80.46 M&A84"8"SA4?05N* 1 3 .246 =4.@ .2050 850 ="7"7948" 4C:0548" =7496 ;08549B .20 208D6 73 ABA6.A6 89D 73 4;054A6 89D .2045 38C4"406* 3456.' ;5866 73 .246 =7"79@ 496=54;0D # # ' 6 13 75 6 89D 6.5A=F 49 2797A5 73 .20 375C05 0C:0575 83.05 246 D08.2 M86 49D4=8.0D ;@ .20 .4."0 73 . =' .20 58D48.0D =57<9 89D .20 .2A9D05;7".' 6@C;7"6 73 8:7.207646N 0I24;4.6 79 4.6 50?0560 .20 208D 73 KA"48 :"8=0D 79 8 B"7;0 89D 8D7590D <4.2 8 =506=09." 20"0B09D/ 4 &E # +' # *1 7 3"8..05 4;054A6 .20 =7"7E

' & * # *1 # * aa

946.6' 73 #7CA"8 =8A60D 8' 64C4"85 =749 .7 ;0 6.5A=F 49 2797A5 73 ;46 C7.205 KA"48 ' <4.2 .20 :50:76.057A6 8::0 8.479 !73 ' $' ' ' ?75 .246 508679 205 :75.584.' 46 :"8=0D 79 8 B"7;0 ' 89D 8D7590D <4.2 8 28"3 C779 86 .27AB2 620 <050 A=498 ' :5064D49B 7?05 <7C09 49 A24"DE;=D ' 75 ' .7 8D7:.' 546.89L6 6ABB06.479 ' 86 .27AB2 620 <050 ' 4 ' 6C8"" ;5866 73 .20 B508.06.' 5854.@ ' 6.5A=F ;@ .20 * ' 73 46:8948 80.4=8 ' .20 208D 73 &05C894=A6 46 09B58?09 79 .20 7;?0560 ' 89D .20 50?0560 :50609.6 8 ?7.4?0 6240"D <4.249 8 "8A50"=57<9 '89D ' 1 ' # Ah08 &"" CA ' & 5.* ^ 84"" 89.' 46 73 7:49479 .28.' .246 .@:0 73 8 6240"D <86 6.5A=F ;@ .20 *="7"7946.6 49 27975A5 73 &05C894=A6 ' 375 28?49B =7C:0""0D .20 &05C896 .7 506.750 .20 C4"4.85@ 6.89D85D6 89D "0B47985@ 08B"06=8:.A50D ;@ .20 &05C896 <209 .20 "0B4796 99D05 85A6 <050 D06.57@0D"Q 9 8?05@ 5850 60=79D ;5866 ' ;08549B .20 "0B09D ' # *' 8::0856 .20 208D 73 4;054A6 79 790 64D0 ' 89D 79 .20 7.205 .20 208D 73 057 89D &5A6A6 .06856* 1 00 F05C89L6 7496 73 46:8948 ' :# , ' :4# ?4# 7# * # ' & * 1 246 D0D4=8.75@ "0B09D 46 496=54;0D 79 8 "85BO ;5866 73 9.7949A6 4A6# 20 .@:0 D0:4=.A506 .20 <85"4FO 37A9D05 73 #7C0 ' 49 8 C4"4.85@ 28;4. L' C85=249B <4.2 8 D7<9 .20 496A550=.47985@ 6:454.' 73 .20 &05C896 ' 8=4896 ' 89D K0<6 ' :A.' 89 09D .7 50;0""4796 49 =2848 89D B@:.' ' 89D 6.7::0D .20 276.4"0 :57B5066 73 .20 "894 89D 7.205;85;857A6 .54;06* =F20# 7;6057?06 .28.' .246 .@:0 73 #7CA"A6 8::0856 .7 2820 ;009 =27609 79 8==7A9.' 73 .20 649BA"85"@ 379D 8..8=2C09.' 73 9.7949A6 375 .20 50"4B47A6 89.4SA4.406 89D =A6.7C6 73 .20 =4.@ ' 8 379D9066 <24=2 0C;58=0D 0?09 .20 :57D4B406 50G =75D0D 49 4.6 085"@ 246.75@# .' 600C0D B77D .20503750 .7 .20 C790@056 .28.' .246 0C:0575 <27 09D08?7A50D .7 50?4?0 ;@ 0?05@ C0896 49 246 :7<05 8 "7?0 375 .20 =7A9.5@ <24=2 28D ;009 =85540D .7 .20 204B2.' 73 B508.9066 ;@ 67 C89@ <79D056 627A"D ;0 20"D A:' 86 897.205 #7CA"A6 .28.' 46 86 8 4?6 8?& ' 8".27AB2 ;@ 5086759 73 246 :8=434=' :7"4=@ 89D :47A6 =2858=.05 20 627A"D 58.205 28?0 ;009 8664C4"8.0D .7 AC8* # ' # *1 8D5489 79 790 73 <2760 ' 8W <0"" 86$ ') ' =7496 .246 "0B09D 46 09B58?0D ' <4.2 8 .@:0 64C4"85 .7 .20 :50G =0D49B 46 684D .7 28?0 20"D #7CA"A6 86 37A9D05 73 .20 =4.@ 49 B508.' 2797A5 20 .5A.2 73 .246 86605.479 46 C894306.0D ;@ 246 28?49B =8A60D .20 D8@ 73 #7C0L6 37A9D8.479 .7 ;0 =0"0;58.0D <4.2 C750 .289 A6A8""@ B589D =050C79406 86 C8@ ;0 6009 ;@ .20 C0C758;"0 =749 496=54;0D 7444))' 1,' (' 4 2' 4 M 00 .20 D06=54:.479 73 4.' 49 4.6 :"8=0*N 1 75 46 .20 ="84C 73 .246 0C:0575 .7 ;0 50B85D0D 24C60"3 86 897.205 # ' $ 7.205<460 .289 3845"@ .7 ;0 8""7<0D' 67 C89@ <050 .20 0D434=06 8.' #7C0 <24=2 20 ;A4".' 89D 50:8450D* 1 :85.489A6 .2A6 09AC058.06 67C0 73 .20 5097?8.4796 89D 0954=2C09.6 73 .20 =8:4.8" 8==7C:"4620D A9D05 .246 C8B9434=09.' :549=0 6 ' ' '

8"C76.' 0I="A64?0"@' A60D' 49' 624:6' 73' <85' M.209=0' D097C498.0D' , ' %' .7' 509D05' .20C' C750' 375C4D8;"0' 8B8496.' 89' 090C@L6' ?0660"' <24=2' <209' 9085' 097AB2' .7' 6.54F0' .20@' 350G SA09."@' 689F' ;@' :405=49B' 8' 27"0' .257AB2' .20' 64D0' 89D' "0..49B' 49' .20' <8.05* 1 20' 34BA50' 73' .2060' ' ?0660"6 7==A56' 350SA09."@' 79' #7C89' =7496' ;7.2' =796A"85' 89D' 4C:0548"* 1' 2050' 46' 8' D09854A6' 73' 7C:0@'.20' &508.' ;0856 49B' 79' 4.6' 50?0560' 8' B8""0@' <4.2' 8' "0B47985@' 08B"0' 79' 4.6' 576.58.0D' :57<' 89D' <4.2' 7856' 89D' 5ADD05' 4.6' 6.059' 7598C09.0D' <4.2'.20' + ' 89D' 79' .20' D0=F 8'.7<05' 6.89D6' 6A5C7A9.0D' ;@'.20' 34BA50' 73' 0:.A90' <27' 27"D6'.20' .54D09.' 49' 246' 54B2.' 289D' 89D' :"89.6' 246""03.' 377.' 79' 8' ' #7A9D' .246' .@:0' 850' .20' <75D6' ` ' #! ' ! #' ! * 28.' 49' .20' 085"406.' .4C06' 73' .20' #7C896' ' <050' 6.5A=F' <4.2' .20' :57<' 89D' ;08F' 73' 8' 624:' 8::0856' 357C' "49@' M,# III444# =# HN' ' ' $ ' ' '+ ' - ' ':' ' ' ' ' :' ' C ' ' ' O ' 1 00 5758' :' 8"67'.20**{{' 089' 4.6':85.6* 9'.20' ' 73' 8' 624:' 4905?8' K8=A"8.54 I' 6.89D6' 49' B7"D' 89D' 64"?05' =7496' 73' 7C4.489* 1' ' 64"?05' C0D8"' 73' ABA6.A6' 8"67' 0I24;4.6' .20' :57<' 73' 8' ' B8""0@' 79' <24=2' 8' 98?8"' .57:2@' 46' 34I0D' .7B0.205' <4.2' 8' 5ADD05' 89D' 8A=274' :"8=0D' .5896?0560"@' .20' 4A6054:.479' 46' # # * # # # F '# '8 1 790@' 6.5A=F' 8.' #7C0* F ' .20' 34BA50' 73' 8' <200"' 46' .20' 6@C;7" 73' :A;"4=' 578D6' 50:8450D' ;@' 75D05' 73' .20' 504B949B' :549=0' 375' .20' =79?09409=0' 73' =85548B06' 86' 49' ' # *1 .' .20' 300.' 73' 75.A90' 4.' 64B943406' .20' CA.8;4"4.@' 89D' 49=796.89=@' 73' .28.' B7DD066* 1 (0' 600' .20' <200"' ;0908.2' .20' =2845' 73' 75.A90' 64..49B' 79' =744@' 73' 0:.# 0?05A6' 858=8""8' &75D489A6' 4A6' A50"489A6' &8""409A6' 89D' 7.205' 0C:05756' <4.2' .20' 0:4B58:2' 73' # ' # +* # # F ' # 1 790@' 6.5A=F' 8.' #7C0* # # 6 'L#) a 1 00' 444?4#* # :* =* F #) '1 'M375'06.8;"462G 49B' .20' #0:A;"4=N' 79' =7496' 73' 9.79@' 0:4DA6' 89D' =.8?489A6' M ABA6.A6N* # # 6 'X8 1 790@' 6.5A=F' 8.' #7C0* # ' 8' 38C4"@' 73' .20' 0SA06.5489' 75D05' 8==75D49B' .7' 8=4.A6' 754B498""@' 357C' 4;A5# .6'=7B97C09' * 1 20' 79"@' =7496' 850' 6C8""# ;5866' 6.5A=F' A9D05' ABA6.A6' 496=54;0D' # # 5 # # # # # # * # # ' 8' :"0;0489' 38C4"@# AC8C0D' * ' .6' :"0;0489' 589F' 46' 4930550D' 357C' #A;54A6' 8' .54;A90' 73' .20' :07:"0' 28?49B' =85540D' 8' "8<' 98C0D' 83.05' 24C' '6) 1 2050' 850' .09' ?8540.406' 49' 4.6' =7496' 73' <24=2' .20' 64"?05' 850' =7CC79' 67C0' 73' .20C' <050' 506.750D' ;@ 58 89# 20' ;579\0' :40=06' 73' .246' 38C4"@' 850' .20' ' 75' :85.6' 73' .20' 1 7C0' D09854' :50609.' 50?0560'6' <24=2' 28?0' B4?09' 5460' .7' ?8547A6' A968.4638=.75@' =79 0=.A506' 8C79B6.' .20' "08590D 1 8?05=8C:' 49' :85.4=A"85' 89D' 0?09' =F20" 24C60"3' .27AB2' 20' ;06.7<0D' .<7' 05AD4.0' 97.06' 79' .20' .@:06' 49' SA06.479' 8=F97<"0DB06' 246' 4B97589=0' 73' .2045' 0I8=.' C08949B*

20' 37""7<49B' SA4985476' 46' 5850/1 ' 08D' 73' 0:.A90' <4.2'.54D09.16 ' 4*' * $*!' 4=.75@' <8"F49B' 27"D6'8"79B':8"C';589=2'8;7?0' 205' 627A"D056' ;03750' 205' 300.' 46' 89' 8".85' A:79' <24=2' 46' 8' 605:09.* # # F ' 1 #7C0' .20' ?4=.7547A6* # # F ' 6A598C0' 73' .20' F ' 38C4"@* F '$ 1 20' .500' A9D05' <24=2' .20' <7"3'M4.' 46' 684DN' B8?0' 6A=F' .7' #7CA"A6' 89D' #0CA6# 1 .' 46' 50:50609.0D' .7B0.205' <4.2' .20' 620:205D' 8A6.A"96' .20' <7"3' 89D' .20' .<496' 79' 60?058"# #7C89' =7496*1 ' ;5866' C0D8""479' 73' 9.7949A6# 4A6' 0I24;4.6' .20'$ 'F ' <4.2' #7C0' 49' 205' 20"C0.' 64..49B' A9D05'4.' ;03750' <27C' 850' .20' 0C:0575' 89D' 7.205' 34BA506* 20' 68C0' 34B' .500' 73' .58D4.47985@' 38C0' 8::0856' <4.2' 8' ;45D' "+ %' 79' 8' D09854A6' 73' .20' # + '38C4"@# 00'# + 1 9D' <4.2' .20' .<496' 79' .20' 6240"D' <24=2' 8"# 8I4C489A6' ;0856* F ? 1 2060' 34BA50D' 79' C0D8"6' 49D4=8.0' 8' =4.@' ;A4".' 79' 75' 64.A8.0' 9085' 8' 24""' 75' 6C8""# C7A9.6# 20' :05679430D' B094A6' 73' 8' #7C89' :57?49=0' 46' 67C0.4C06' 6009' 608.0D' 75' 50="4949B' A:79' 57=F6' 75' 24""6# M 00' F % 1 2A6' $ ' 79' 8' =749' 73' 9.7949A6' 4A6' * '49' 9.7G 949A6' 89D' 7CC7DA6' . ' 49' 58 89' 89D' 8D5489' ; + ' 49' 8D5489' ' =* 1 #7C0' 20560"3' 79' .20' =749' <24=2' 50:50609.6' .20' $ ' F ' 8;7?0' 8""AD0D' .7' 46' 608.0D' 79' 57=F6' 8""A64?0' .7' .20' 60?09' 24""6' 79' <24=2' .20' =4.@' <86' ;A4".* # # ' .20' 6A598C0' 73' .20' $ ' 38C4"@* # * 1 20' 98C06' 73' 60?058"# #7C89' =7"79406' ;0B49' <4.2' .20' "0..056' * ' C79B6.' 7.2056' 6 ' 8' =4.@' 49' &8 48 85;7909646' <24=2' "49@' =8""6 ++ ' ' 6 ' 89D' .7' <24=2' 0"8' 8664B96' .20' .4."0' 73' =7"79@' ;A.';@ <27C' 37A9D0D' <20.205';@ ABA6.A6' 75' ;@ KA"4A6' 60685' 46' 8' C8..05' 73' SA06.479* 1 .6' C7D059' 98C0' 46' 7A5' D0' #7A6 "79' 49' .20' =7A9.@' 73' .28.' 98C0' :57?49=0' 73' 89BA0D7=' 97.' 385' 357C' 05:4B989* 1 7' .246' :"8=0' 64.A8.0' 79' .20' 0"46' M 0"8N' 9085' <2050' .28.' 54?05' 0C:.406' 4.60"3' 49.7' .20' 0D4.05589089' .20' 37 7<49B' 6C8""' ;5866' =749' 46' 5030550D' 8"4F0' ;@ 84""89.' 750""' 89D' .20' 0D4.75' 73' .20' ' + 1 ! #' " ' & # 08D' 73' ABA6.A6' <4.27A.' "8A50"# 16 ' '1 – # # # "!' '6 ' 'F !%' <7' "0B47985@ 08B"06* ^ 20' 8;7?0' C4"4.85@'.@:0' D097.06' 68@6 84""89.' M4# HN' .;0' :"89.49B' 73' ?0.05896' 357C'.<7' "0B4796' 49' .246' =7"79@# 75' .20' F ' 0B479' <86' 8' D7A;"0' 790' "4 %' 98C0"@' ' <24=2' ABA6.A6' 609.'.7' @548' 89D' F ' <24=2' 20' 06.8;"4620D' 49' :849# A.' ;03750' 20' 6.8.4790D' .20C' 49' .20' :57?49=06' .28.' 0C:0575' D583.0D' 733' .20' D46=285B0D' 89D' <75.2@' 67"D4056' ' , %' 73' 08=2' :85."@' .7' =7"7946O' ' 89D' ' M86' <0' F97<' 357C' .2045' =7496N' 89D' :85."@' .7' 7==A:@ #A6=497# 09=0' 79' .20' 50?0560' 49' SA06.479' .<7' "0B47985@ 08B"06' 850' 09B58?0D' <4.2' .20' 496=54:.479' 73' o & ' !' ' F 1' 84""89.' D06=54;06' .246' C0D8"# 86' 790' 73' 649BA"85' 0"0B89=0' 89D' 5854.@' 89D' 3A4.205' 7;605?06' .28.' 4.

04.@ =8""0D' "8B8;8"86 ' 75' 0"47B8;8"A6' M<24=;' 246' =7496' "08D' 96' .7' ;0"40?0' <86' .20' 6A9*N 1 20' :50609.' 46' 79D' 73' 8' 60.' =79646.49B' 73' 64I' 75' 60?09' =7496' M8"" 6.5A=F' * # >,aN' <24=2' ;085' <4.9066' .7' .20' 496980' D0?7.479' 73' .246' <50.=20D' @7A.2' 375' 246' 38?7A54.0' D4?494.@' 73' <24=2' 20' ;57AB2.' .7' #7C0' ;7.2' .20' <75624:' 89D' .20' 4D7"' M.20' "8..05' ;049B' 8' "845B0' ;"8=F' =7"7A50D' 6.790' 73' 8' =794=8" 375CN' 89D' ;A4".' 8' .0C:"0' <2050' 20' 24C60"3' 0105=460D' .20' :5406."@ 733*=0* 057D489A6' 6:08F49B' 73' 24C' 89D' 246' =7A649' "0189D05' 68@6' .20@ <050' ;7.2' 24B2' :5406.6' 73' .20' A9' <24=2' .20' :07:"0' 73' .20' =7A9.5@ =2403"@ <75624:0D' A9D05' .20' 27094=489' 98C0' 73' ,) 7' <209' 20' 28D' ;57AB2.' 246' 75409.8"' .A.0"85@' .7' #7C0' 89D' 8D750D' 24C'49' :5030509=0'.7' 7.2056' 20' 24C60"3' 8"<8@6' 8D7:.20' .4."0' 73' .20' &7D' 73' <27C' 20' <86' =8""0D' 2 ' ' 1 00',

20' C0D8"6' =79?0@ ;A.' 8' 3849.' 4D0' 73' .20' 01.58?8B89.' ?09058.479' <24=2'.246' 28"3' C8DC89' 28"3' C796.05' :84D' .7' .20' 6@C;7"' 73' .20' 04.@' <2760' ;85;854=' 8::0""8.4?0' 286' 50C8490D' 8' 94=F* * 98C0' .7' .20' 010=58;"0' :79.433* 1 20' 6.85' :"8=0D' 8;7?0' 49' .20' 340"D' 73' .20' =749' 49' .246' 89D' C76.' 7.2056' 73' .20' 0C:0575' 49' SA06.479' 64B943406',' F 1.20' A9' 86' 89' 7;0=.' 73' 4?490' <75624:' 8==75D49B'.7' .20' 50"4B479' 73' .20' 27094=4896' 89D' 7.205' 648.4=' 98.4796* 9' 8' C85;"0' 49' A58.754' 46' 508D' KA94A6' 8.0CA6' " 3 ' ' < $ # ' & * 1 <7' .75=206' <4.2' B85"89D6' 8..8=20D* 20' "0B09D' 89D' .@:0' 8::085' 79' B7"D' 89D' 64"?05' 73' 9.7948;<2760' 208D' 79' .20' 7;?0560' 46' =57<90D' <4.2' =759E0856' 86' 43' 620' 448D' ;009' 897.205' 0506* 1 8"4BA"8' <27' <86' B589D679' .7' .246' :549=066' =7930550D' A:79' 205' .20' .4."0' 73' ' C8D0' 205' # ' 73' M.20' .0C:"0' 73N' ' 89D' 8::57:548.0D' .7' 205' 8 ' .20' 2797A56' 73' 8' 06.8"* 1 84""89.' =79G 64D056' .20' .75=206' 79' .20' 50?0560' 86' 50305549B' .7' .20' C@6.05406' 73' 0506* A.' =F20" 46' 73' 7:49479' .28.' .246' .@:0' ;085'6 4C:"@ 79' .;0' 54.06' 73' 205' ABA6.89' :5406.277D* 0' 8DD6' .28.' T' 86' 4.' 46' =05.849' 357C' .20' ?05@' .4."06' .20C60"?06' .28.' .20' :50609.' =749' =7A"D' 97.' 28?0' ;009' 6.5A=F' ;0375 0' .20' B7?059C09.' 73' 8"4BA"8' 67' 46' 4.' C76.' :57;8;"0' .28.' 4.' 68<' "4B2.' 49' .20' 504B9' 73' "8AD4A6*U

4C4"85' 50?05606' .7' .246' *89D' .7' 897.205' =749' M=7 4 ' & 6 4N' 46' 37A9D' 8"67' 8C79B6.' .20' C790@ 73' 205' 679' "8AD4A6' <27' 350SA09."@ 506.750D' .20' C0C75@ 73' 89=06.756* 1 00' '

.' <86' .246' =45=AC6.89=0' <24=2' 49DA=0D' 8?05E' =8C:.' .7' 6A6:0=:.' .28.' .20' D406' 28D' ;009' =289B0D' .257AB2' .;0' =850"0669066' 73' .20' C49.EC86.05* 1' =F20" 6006' 97' 508679' 375' 6A::7649B' 89@' 6A=2' .249B* 75' 20' 50C85F6' T "8AD4A6' 86' <0"" 86' 246' C7.205' 9.7948' 28D' ;009' 8::749.0D' 8' F ' . ' 89D' 20' 49D00D' ;@ 4;054A6' 86' 8=4.A6' 83345C6* 9D' .2050' 600C6' .7' 28?0' ;009' 897.205' =8A60' 375' "8AD4A6L6' =274=0' 73' .246' 50?0560* 75' ;064D06' 246' :5730664 9B' .7' 50?0509=0' ABA6.A6' 67' CA=2' 86' .7' 27"D' 97' 78.2G .8F49B' C750' 68=50D' .289' .28.' 73' 6<08549B' + ' ' 20' 8::0856' .7' 28?0' 0C:"7@0D' .246' .@:0' 375' .20' :A5:760' 73' 50C7?49B' .20' D46B58=0 +

73' 897.205' :5406.277D' .20' 733*=0' 73' <24=2' 20' < 84' 24C60"3' 375=0D' ;@' 8"4BA"8' .7' 8==0:.' <209' .20' "8..05' =8""0D' 24C60"3' - + ' ' =*1' * ' ' ' ?7"* ?4* :* >H * # ' # * 1 20' 0C:0575' 6.89D6' ;0375 0' 89' 8".85' 246' 54B2.' 289D' 289B49B' D7<9' 27"D6' 8' ;589=2' 49' 246' "03.'46' 8' 6:085* 1 9' 8'.245D' * ;5866' 73' "0189D05' 0?0C6' .20' 7;?0560' 73' <24=2' ;0856' 246' "89508.0D' 208D' <4.2' .20' 0:4B58:2' 73' * 7* * * * * 1 9' .20' 4C:0548"* =8;490.' 8.' 40998* =F20"' 49' 246' @""7BO' M*' :* , HN' 286' 0D4.0D' 89D' =7:47A6"@ 4""A6.58.0D' .246' 50C85F8;"0' 89D' B09A490' 89.4SA0' =749* .' <4"" 28?0' ;009' 6009' 7C' .20' D06=54:.479' 73' 67C0' 73' 246' C0D8"6' .28.' "8B8;8"96' .508.49B' <4.2' =79.0C:.' .20' 68=50D' 54.06' 73' .20' #7C896' 28D' J20' 6.A:4D' 37""@ .7' 49.57G DA=0' .20' 50"4B479' 73' 246' @5489' B7D' 49.7' .20' =4.@' 89D' 8..0C:.' .7' 6:508D' .257AB2' .20' 0C:450' .20' <75624:' 73'.20' * ' ') '.20 85.28B494896* A.' 4.' 8"67' 8::0856' 79' .20' :764.4?0' 8A.2754.@' 73' 057D489A6' .28.' 4CC0D48.0"@ 79' 246' 8==066479' .7' .20' .25790' "0189D05' 28?49B' 8;7"4620D' .2760' ;85;854=' =050C79406' 506.750D' 49' 8"" .2045' 375C05' 6:"09D75' .20' 375C6' 73' .;0' 89=06.58"* <75624:* T' 7' .246' 38=.' .20503750' M8DD6' .20' B508.' &05C89' 9AC46C8.46.N' ;7.2' .20' 496=54:.479' 89D' .20' .@:0' 73' .20' :50609.' =749' 8 AD0* 75' .20' 508679' 8;7?0' C09.4790D' "0189D05' =8""0D' 24C60"3' F ' -) 1.20' :5406.' 73' .20' =4.@ 1 98C0'@73' #7C0' <24=2' <86' 4.60"3' 50B85D0D' 86' 8' B7DD066' ;@' <2760' 493"A09=0' 7C89' 8338456' <050' B7?0590D' 89D' 97.' ;@' .20' :7<05' 73' .28.' D04.@' 357C' <27C' 04.205' C068' 75' 85.28B0' 6724B2.' :57.0=.479* 9' .20' 68C0' C89905' 79' 89' 496=54:.4?0' C85;"0" 6 ' * - ' 8' =05.849' 01* 8"054A6' ;786.6' 73' ;049B' # 75' # ' # ' # * 1 9' 8==7A9.' 73' .20' C0.8"' .20' ;8D' <75FC89G 624:' 89D' .20' 0:4B58:26' 79' .20' 7;?0560' .20' "4F0' 73' <24=2' D706' 97.' 7==A5' 49' .20' #7C89' C49.' .2050' 46' 97' D7A;.' ;A.' .28.' .246' =749' <86' 6.5A=F' 7A.' 73' .20' =4.@* 1 ^ =F20"' ?7"* ?444' :* > *Q F 1 96.5AC09.6' 75' 4964B948' 73' 68=5434=06 1 6A=2' 86' .20' + ' ' + ' + ' =*' 850L50G :50609.0D' 79' =7496' 73' .20' :79.4336' 89D' :5406.6* 1' :89204C' "* 44* :* H N' <4.2' 246' A6A8"' D46G :"8@' 73' "0859498' 89D' 8;4"4.@' .508.6' 73' .2760' =7496' <24=2' 0124;4.49B' .20' 68=05D7.8"496.5AC09.8' 84.D' .20' 98C06' 73' .20' 6796' 73' 0C:05756' 50305' .7' .20' 733*=06 73' :5406.277D' ;759D' ;@.2760' 606856* 2A6' .28.' =866' 73' =7496' <24=2' ;0856' .20' 49.=54:.479' * 4.* &* 4.* 46' .7' ;0' 01:"8490D' 86' 50G "8.49B' .7' .20' 8D7:.479' 73' 89D' 8DC46479' 73' .20' =24"409' 73' 0?05A6 M 858=8""8' 89D' &0.8N' 49.7' .20' 68=05D7.8"* =7""0B06* 1 00' # $ ' 89D' F $ F ' ' & 1 20' :5406.6' .7' D097.0' .2045' 68=50D' 733*=0' .77F' 375' .2045' C7D0"* .20' 6FA 6' 73' 7109' 89D' .20' D46206' 49.7' <24=2' .20@' :A.' 20' 09.584"6' 73' ?4=.4C6' 6.5A9B' .7B0.205' <4.2' .20' 54;89D6' .28.' 605?0D' .7' D0=758.0' .20C' <209' "0D' .7' .20' 8".85' 89D' <57AB2.' .20' 50:50609.8.479' 73' .2060' 7;0=.6 49.7' .20' 375C' 73' 2' =57<9* 1 A=2' 89' 790' 46' 37A9D' 79' 8' C0D8"* 73' ABA6.A6* ' * #* F ' # 1 8=543"0056' :0547D4=8"* 75' :05:0.A8"* ?7<6*

850 .20 496.5AC09.6 67"0"@ ;A.8""# .20 T:7C:89D=44=AC6.89=0U 73 .20 68=5434=0 850 7330500D .7 7A5?40<79=7496 73 .20 C:0548# 6054060 86 49 .20 :4 73 8"4BA"8 .20 # $0!" 73 7CC7DA6 =# 20 68=5434=05 D50660D 49 .20 .7B8 89D ?04"0D .20 D77C0D 89D D0=758.0D 7\ 20"D ;7A9D ;@ .20 8 89D 6.89D49B A9D05 .20 A:"43.0D 810 73 .20+ + :. .20 <4.2 208D ?04"0D :7A549B 357C 8 :8.058"4;8.4796 79 .20 8".85 "86."@ .20 8AB4558" =57<6 .7B0.205 <4.2 .20) 75 3"A.0 :"8@05 .20 285:05 89D 7.205 86646.89.6 8. 8 :8B89 68=5434=0 840 ="085"@ 89D B58:24=8"@ D46:"8@0D 79 .2060 C0D8""40 C79AC09.6 73 #7C89 89.4SA4.@* F $ + 1 20 0C:0575 68=5E 34=49B y03750 89 8".85 8::0856 79 d =7496 73 7C4.489*1 "67 73 05?8 58 89 8D5489 9.79490 # A50"4A6 # 05A6 7CC7DA6 0?05A6 858=8 8 &0.8 "8B8;8"A6 "0I# 0?05A6 &75D489A6 4A6 50;7948996 &8""A6 89D .2045 6A==066756 D7<9 .7 4=494A6 609475* 20 0C:05756 86 6779 86 0"0=.0D :05375C0D 67"0C9 68=5434=06 49 SA8"4.@ 73 .2045 :79.4346 =8.0# 3.05 4;054A6 .20@ <050 8DC4..0D .7 8"" .20 75D056 73 :5406.2S:D*1 9 8 3456.;5866 73 0?05A6 850 .2500 34BA506 ="7.20D 49 .20 .7B8 ?04"0D 89D 49 .20 8=.73 68=5434=49B .<7 74949B 289D6 8=5766 8 "4B2.0D 8".85 89D 790 49 .20 =09.50 ;0249D .20 8".85*EEEE 9 .20) !) 8 64C4"85 .@:0 46 B4?09 86 357C 8 3456. ;5866 73 84 8""8# 9D 86 .20 375C05 C0D8" ;0856 .20 , .2 54;A94.489 :7<05 73 .20 8.205 M=76# 49*N 89D .20 "8..05 C0D8" 50=75D6 .20 ,H.2 54;A94.489 :7<05 M=76# """"*N 73 246 0"D06.679 89D 6A0=06675 .20 6A::764.479 73 8?05=8C:M49]8::0856 0IG .50C0"@ :57;8;"0 .28. .20 .@:0 49 SA06.479 73 89 733050D 68=5434=0 5030560 .7 0 6A;0=. 73 .20 54.8994=?4=.75@ 240?0D ;@ .20 0C:0575 89D 246 6796 *7# >, 89D .28. 0?05A6 858=8 89D &0.8 2050 850 50:50609.0D 5D00C49B .20 ?7<6 <24=2 .20@ 28D C8D0 .7 .20 B7D6 8. .20 =7CC09=0C09. 73 .28. C0C758;"0 ;A. .7 .20 0C:0575 24C60"3 38.8"0I:0D4.479*1 9 8=749 73 858=8 8 89D &0.8 .<7 0C:05756 850 6009 68=5434=49B M600 " o *! " * A .20 68C0 .@:0 7==A56 49 .20 2 4:6 38.205 89D 679 49 8"05489A6 89D &8""409A6 89D 79 8 C0D8" 73 A50"489 .20 C:0575 89D 8 <7C89 6.89D49B 8:::764.0 08=2 7.205:05375C 68=5434=0 8.89 8".85# 9 67C0 4C:0548# =7496 $ $ 89D 0?09 34BA506 1 375 018C:"0 .20 " o 7?? 73 24"4.609* # F EEEE 00 . # ! " F ! 1 9=7496 73 7C4.489 0?05A6 858=8 8 50305549B .7 .20 =0"0;58.479 73 .20 60=A"85 B8C06* # F 1 " %" ! # & 1 246 "0B09D <4.2 .20 .@:0 73 8 ++ 75 73 #7CA"A6 89D #0CA6 6A=F"0D ;@ 8 <7"3 75 73 67C0 <4"D ;086. 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86' .20' 6A; 0=.' 73' 246' 7<9' 0"A=4D8.4796' 89D' 57E' C85F6' .28.' 89DA54' 46' 790' 73' .2760' <27' 8<850' 73' .20' 0I46.09=0' 73' ;7.2' .20' 8;7?0' C0D8"6' =285B06' &8 409A6 <4.2' 28?49B' 50=F"066"@ 8:: "40D' .7' 246' 7<2' =749' 8' 50?0560' <24=2' ;0"79B6' .7' .20' 24"4:6*1. ' ' ' ?7"' ?444' ::' > ' 0

' # ' ' *1 8=5434=0' <4.2' ?4=.4C' 3"A.0E:"8@056'$ + ' 89D' 67C0' 7.205' 86646.89.6' 9' 8' 3456.' ;5866' 73' 0:.' 0?05A6*

246' 46' 790' 73' .2500' C0D8"6' <2402' 07CE' C0C758.0' .20' 000A"W5' B8C06' :05375C0D' ;@ 0?05A6 1 8' 38=.' =7557;758.0D' ;@ 858=8""8L8 =7496' 73' .20' 68C0' @085' 89D' 6.4"' 3A5.205' 8A.209G .4=8.0D' ;@ 057D489' 89D' n764CA6*

' #' F ' *1 246' "0B09D' 8:: 0856' 79' 8' 64"?05' 89D' 8' B7"D' =749' M;7.2' 73' .20C' .5896=09D09."@' 5850N' 73' 8D5489' 20' 8==7C:89@49B' .@:0' 46' 8' 28"3' 98F0D' C89' 6.89D49B' 49' .20' C4DD"0' 73' 8' =45="0' <24=2' 20' .7A=206' <4.2' 246' 54B2.' 289D' 246' "03.' 289D' 27"D6' 8' B"7;0' 79' <24=2' 506.6' 8' :2709I' '

20' &094A6' 73' .20' 098.0' 600C6' .7' ;0' 49' .246' =45="0' 86' 43' .7' D097.0' .28.' 8D5489L6' 504B9' D0605?0D' .7' ;0' =8"'0D' .20' 4 ' 75' .246' 508679' .20' =45="0' 46' 49.57DA=0D' 86' "4F0<460' 8' :2709I' :"8=0D' 79' 8' B"7;0' ;7.2' .2060' =796.4.A.49B' 6@C;7"6' 73' 0.0594.@*

' *1 9' 8' .245D' ;5866' 73' KA"48' 7C98' .246' "0B09D' 8:: 0856' <4.2' .20' .@:0' 73' 8' 30C8"0' 34BA50' 6.89D49B' <4.2' 8' =24"D' 79' 205' 85C' 89D' 205' "03.' 377.' 79' 8?B8""0@* 1' F05C89*

' ' F - ' *1 9' 8' 64"?05' =749' 73' 7CC7DA6' <24=2' 286' 375' 4.6' .@:0' 8' 34BA50' 73' 4=.75@ 496=54;49B' 79' .20' .5A9F' 73' 8' :8"CE.500' ?7' $ ' '

' =56' ' + ' $' ' *1 9' 64"?05' 89D' ;5866' 73' 8A6.498' A9475' .246' "0B09D' 8:: 0856' <4.2' .20' 3+ ' 73' .<7' ;7@6 49' 8' *1 00'

' ' ' ' <27C' 8A6.498' ;57AB2.' 375.2' 8.' 790' ;45.2' 850' 2050' D0D4=8.0D' 49' <75624:' .7' .20' 476=A5' M 86.75' 89D' 7""AIN' 6' .7' 89@' D0B500' 73'$ 3' 4C:85.03" .7' .20' 8B0' ;@' .28.' 0?09.' 4.' 46' =05.849' .28.' .20' 69;60SA09.' 6058' A..05"@' 384"0D' .7' :57?0' .20' 508"4.@' 73' .20' 89.4=4:8.0D' ;"06649B*

h ' *1 ==7C:89@49B' .246' "0B09D' .2050' 46'8' 5850' 89D' =A547A6' .@:0' 357C' .20' C49.' 73' 0?05A6' B4?09' 8C79B' .20' 60=79D' ;5866' 73' .20' ' ' ' 89D' 8"67' 357C' ' B7"D' =749' 49' .20' C:0548"' 4 ?' ') ' :A;E

b ' *

"4620D' ;@ 9D50<' 7503"' 49' 246' F+ ' 6 ' ' .20' 496=54:.479' 73' .20' 7;?0560' 57A9D' .20' "8A508.0D' 208D' 73' .20' 0C:0575' 46 1 # ' ' &" ' 89D' 79' .20' 50?0560' 46' 508D' 8 83' " ' ' ' ' * 9' .20' 340"D' 73' .20' =749' 6.89D6' 8' 30C8"0' 34BC0' ='7.20D' 49' .20' ' 27"D49B' 79' 205' "03.' 85C' 8' =7C9=7:4r' 34""0D' <4.2' B5849' 89D' 3944.' 89D' 49' 205' "03.' 8' D462' 75' :8.058' <24=2' 620' 01.09D6 ;0375' 05' 7?05.20' 208D6' 73' .<7' 6C8"'05' 34BA506' M8:: 8509."@' =24"D509N' 86' 43' 49' .20' 60.' 73' 627<05G 49B' 4.6' =79.09.6' 7?05.20C' / .2050' 850' .2500' 7.205' "4..0' 34BA506' ="760' ;0249D' 205' "43.49B' .2045' 38=06' 89D' 289D6' A:' .7<85D6' .246' :05679434=8.479' 73' .20' ! 3' $' ' ' 20' :85.4=A"85' 7==86479' 79' <24=2' .246'649B4D85' C0D8" <86' 6.5A=F' 46';A:' C8..05' 73' =79 0=.A50*1 8?05=8C:' SA7.06' .20' =7CC09.85@' 73' 750"' <27' 50B85D6' 420' C0D8" 86' 50305549B' .7' .20' B508.' 89D' CA9434=09.' =850' .8F09';@ 0?05A6' 49' 3A5946249B' 89' 8;A9D89=0' 73' :57?464796' .7' .20' #7C89' :07:"0" 9' .246' 6A; 0=.' 20' =4.06' .20' 8A.2754.@' 73' :89204C' " * + 3' $' F ' =" 41444*N' .7' .20' 034==.' .28.' .246' 0C:0575' T' ;0SA08.20D' 375' :A;"4=' D46.54;A.479' 67' B508.' 8' 9AC;05' 73' C086A506' 73' =7C' 86=<7A"D' 6A::"@ 0?05@' D8@' 375' 60?09' @0856' [' ;A620"6' 89D' .28.' 20' "4F0<460' "03.';@ 246' D@49B' <4"" 375' .20' 68C0' :A5:760' 8' SA89.4.@' 73' 74" 6943=409.' 375' .20' =796AC:.479' DA549B' 34?0' @0856' 97.' 79"@' 73' .20' =4.@' 73' #7C0' ;A.' 0?09' 73' 8"" .8"@' JJ 1 47990.' 89D' F05C89' ;7.2' 49="ADO' .246' 8C79B' .20' 5850' 50?05606" .' 46' 97.' 97.4=0D' 49' =F20"*

F ' ! = *1 246' 348..0549B' "0B09D' 8"67' 8:: 0856' 79' ;579\0' C0D8"6' 89D' C0D8""4796' 73' " 0;7948996' 854A6' 57;A6' 89D' 8C6' <4.2' .20' 0"0B89.' .@:0' =7:40D' 357C' .20' <0""EF97<9' =749E' 73' 37A5';7@6' 30:50609.49B' .20' 37A5' 6086796' V 89D' .2045' 8..54;A.06*

' & # *1 00' o * ' " ' *1 9' 8' 3456.' 89D' 60=79D';5866' 73' "7D44A' ";4996' 0124;4.49B' .20' .@:0' 73' 8' C89' <4.2' 58D48.0D' 208D' 27"D49B' 49' 790' 289D' 8' =8DA=096' 89D' 49' .20' 7.205' 8' 58F0' 75' 67C0' 496.5AC09.' 5060C;"49B' 8' .54D09

20' 8B0' 73' ";4996' 89D' 246' 6A==0663A" 54?8" 0?05A6' <86' 49D00D' 35A4.3A"' ;A.' 4.6' 30=A9D4.@ =2403"@ =79646.0D' 49' 2AC89' C4605@' 89D' 49' 67=48" D067"8.479' :57DA=0D';@ .20' <856' 73' 8C;4.47A6 =2403.8496' 89D' .2045' C4"4.85@' 8D20509.6' 34B2.49B' 375' 6A:50C8=@ 8.' .20' 0I:0960' 73' 8' C4B2.@' 0C:450' 49' 4.6' :0547D' 73' D0="490*

' # & # *1 ' =8DA=096' ;0.<009' =7CE0856" 9' 64"?05' 73' 05.498I*1 7' .20' 2797A5' 73' .246' B77D';A.'4""E38.0D' 0C:0575' 4.' 46'50=75D0D';@ 479'.28.'6=85=0"@ 28D' 20' 86=09D0D' .20' .25790' <209' 20' 24C60"'3 A9D05.77F' 8' 608E' ?7@8B0' 375' .20' 68F0' 73' :57=A549B' 8' 6A::"@ 73' =7C' 375' .20' :07:"0" ' $ ' '+ ' 46' 8' C054.' 79' .20' :85.' 73' 05.498I' 0I:5066"@ 86=54;0D' .7' 24C' ;@ 8:4.7"49A6*1 .' <86' .2050G 3750' .7' 64B943@' .20' 8;A9D89=0' 73' 8"" 85.4="06' 73' 6A;646.09=0' <24=2' :50?84"0D' A9D05' 246' B7?059G C09.' .28.' .246' 0:4B58:2' 73' .20' 35A4.E;08549B' 75' :"09.43A" 8B0' "F ! $ ¼' <86' 8D7:.0D' <4.2' .20' 8:::57:548.0' .@:0' 73' 0856' 73' =7C' 89D' .20' =8DA=096' 86' 8' 6@C;7" 73' :08=0*

' # & # # # *1 9 3456.' 89D 60=79D ;5866 73 "7D4A6 ";49A6# 20 .@:0 ' <24=2 46 B4?09 2050 ' 3.7C ' 8 "85BO ;5866 =749 ' 5060C;"06 .28.' D06=54;0D 8;7?0# 9 .20 B7"D 605406 ' 27<0.05 ' 7==A56 8 50C85F8;"0 ?8540.@# 20 F ' ! $ ' 46 50:50609.0D 86 8 608.0D ' ;085D0D ' 34BA50 ' <0854 9B 89 086.059 208DED5066 ' 246 54B2.' 289D 46 5846 0D ' 89D 49 246 "03.' 20 27"D6 8R347<05# 9 08=2 64D0 73 .20 =2845 46 8 <49B0D 6:249I ' <0854 9B .20 25@B489 =8:## ' 64C4"85 ! .@:0 46 37A9D 79 .<7 C0D8""4796 49 ;5866 49 .20 50972 =8;490.*1 00 # 0975C89.L6 50C85F6 49 ' * ' , >' :# > *

20 68C0 "0B09D 9 " o ' &5 N 46 37A9D 79 8 3456.' ;5866 73 # 0?0C6 ' <27=05.849"@ 8::0856 .7 28?0 ;009 8"C76.' A9:50=0D09.0D"@ :57?4D09.' 375 .20 <89.6 73 246 6A;0=.6 ' ' $ *1 CC0D48.0"@ 79 246 8554?8# 8.' #7C0 ' 20 0?49=0D 246 :7"4=@ 86 <0"" 86 246 :57?4D09=0 ;@ 609D49B "0B4796 49.7 354=8 ' "06.' 06=0994767 4B05 627A"D ' .257AB2 4;@8 89D 3.@:" ' 7==A:@ .20 375C05 :57?49=0 ' 89D =8A60 .20 #7C896 .7 6A3305 A9D05 8 6=85=4.@ 73 =7C## 9D M86 :85.489 83345C6N 20 0I.09D0D 246 =850 49 .246 506:0=.' DA549B 8"" .20 50B84949B @0856 73 246 504B9 ' ' 5 + ' ' 0 .' 67.28.' ' C086A506 73 74# 8"790 C4B2.' ;0 0I:09D0D D84"@ <24=2 627A"D 6A334=0 375 34?0 @085L6 =796AC:.479 97.' 79"@ 73 .20 =4.@ ;A.' 73 8"" .8"@# 0T 20 .@:0 73 .246 =749 50:50G 609.6 8 C89 <4.2 8 58D48.0D 208D ' 27"D49B 8 =8DA=0A <4.2 =7C 0856 89D 8 .54D09.' 89D M7;605?06 =F20"N 46 =7C:764.0 ' 375 .20 58@6 * 49D4=8.0 .20 6A9 ';@ <2760 54:0949B 493"A09=0 .20 35A4.6 73 .20 085.2 =7C0.7 C8.A54.@ ' .20 =8DA=096 89D .20 =7C 0856 8::"@ .7 05=A5@ ' .20 :5064DG 49B D04.@ 73 .58D49B :07:"0 ' .20 .54D09.' 6@C;7"4606 0:.A90 ' 8=5766 <2760 <8?06 .20 =7CE"8D09 3"00.' <86 ;7590*U !

9 8".85 <4.2 3450 79 4.*1 ' 89DA54 B4?06 .246 86 79 8 .245D ' ;5866 73 , $ '

=F20" ;5403"@ 68@6 73 .246 =749 ' .28.' .20 0:4B58:2 73 4.6 50?0560 46 90< ' 89D .28.' 4.6 .@:0 286 8 50=79D4.0 C08949B ' <24=2 20 D706 97.' 8..0C:.' .7 0I:"849*

' (*1 ' .0C:"0 73 641 ' 49 7.205 =7496 ' 73 04B2.' =7"AC96 ' 49 <24=2 46 89 4D7# 608.0D*1 4"?05 89D 3456.' 89D 60=79D ;5866 73 24"4:' 609*1 2050 46 8"67 8 C4DD"0 ;5866 49 <24=2 24"4:' 89D 246 679 ' ?04"0D ' 850 68=5434=49B 8.' 89 8".85 <4.2 3"A.0 :"8@056 89D 37A5 7.205 34BA506 6.893349B 9085 ' 49 3579.' 73 8 .0C:"0*

246 &' ' "4F0 .20 ' H ' 9 !00! $! ' 241 1 ' <24=2 600 N =7CC0G C758.0D 79 8 =749 73 .20 68C0 0C:0575 ;0856 5030509=0 .7 .20 60=A"85 B8C06 67 CA9434=09."@ =0"0;58.0D ;@ 24C 49 .20 .2 =09.A5@ 357C .20 37A9D8.479 73 .20 =4.@ ' .20 =285B0 89D C898B0G C09.' 73 <24=2 <86 09.5A6.0D .7 .20 %A49D0E =4C?456# 20.0C:"0 46.28.'73KA:4.05 8:4.7"49A6* 20 68C0 50?0560 7==A56 79 =7496 73 05099A6 .5A6=A6 ' 76.4"489A6 ' 50;79489A6 ' 89D 7"A64E 89A6 ' 357C <24=2 4.' 8::0856.28.' ' F ' D706 97.' 90=066854"@ 64B943@ .20 3456.' @085 73 8 90<' =09.A5@ 75 8B0 ' 375 <0 508D .246 0:4B58:2 79 .20 =7496 73 .20 8;7?0EC09.4790D ':549=06 8".27AB2 .20 ' <86 97.' 5090<0D DA549B .2045 504B96

F ' 89 8557<*1 246 C4664"0 46 6009 49 .20 289D 73 . ' ' 79 =7496 73 4.A6 7C4.489 ' 8D5489 ' 50;79489A6 ' 0C4"489A6 ' &8""409A6 ' 89D 7.205 0C:05756*1 "67 <4.2 SA4?05 89D ;7<' ;0.<009 .<7 605:09.6 79 8 C0D8"# 73 # 9.79@*1 9 8557<' ;7<' 89D .4858 8::085 79 8 =749 73 ABA6.86*1 2500 8557<6 8:.085 49 .20 289D 73 .20 34BA50 73 648 ' 79 8 =749 73 8D5489*1 9 8 D09854A6 73 .20 ' ' 38C4"@ 8==2A6 M6.89D49B ';0.<009 .<7 30C8"06N 27"D6 49 246 54B2.' 289D .20 .2@56A6 ' 89D 49 246 "03.' 8 ;A9D"0 73 8557<6) ' 73 <24=2 =F20" 627<6 .7 28?0 ;009 8..54;A.06 73 .20 B7D 73 <490*

F ' 8 =4.@ 73 46:8948 8558=7909646 37A9D0D ';@ .20 n8=@9.24896 ' T89D 64.A8.0 ;0@79D .20 54?05 ;05A6 75 ,) ' 8.' .20 377.' 73 8 =2849 73 C7A9.8496 .68@6 "49@N <24=2 D4?4D06 .20 46:894 357C .20 0".4;054 8;7A.' 8 .27A689D :8=06 D46.89.' 357C .20 608# .' <86 79=0 8 3"7A5462498 89D 384.23A" 8""@ 73 .20 #7C896*1 ' A549B .20 60=S9D A94=' <85 ' [H[' (>, N 8BA9.AC <86 509D050D 38C7A6 ;@ .20 640B0 <24=2 4.' 09DA50D 375 37A5 C79.26 8.' .20 0I:458.479 73 <24=2 .4C0 8994;8# .77F 4.' 89D .20 4928;4.89.6 ' 58.205 .289 .28.' .2045 ':056796 89D :57:05.@ 627A"D 38 ' 49.7 246 289D6 ' =7CC4..0D) ' .7 .20 3"8C06 (F ' 46 6.8.0D ;@ "49@ .7 28?0 ;009 904.205 8 =7"79@ 975 2 CA94=4:4AC ;A.' 64C:"@ 8 .7<9 73 #7C89 =4.4\096 ' 375 .28.' <54.05 C8F06 8 D46.49=.479 ;0.<009 .20 ' 89D .20) '75 ++ ' ' 6 *1 .' 46 6.4"" 8 :"8=0 73 67C0 =7960SA09=0 49 8"09=48 ' A9D05 .20 C7D0C :89462 98C0 73 ' 8.' .20 C7A.2 73 .20 54?05 73 .28.' 98C0 M.20 89=409.' N*1 20 =7496 73 .20 8BAA.4906 M;5866N 850 8A.797G C7A6 89D 4C:0548"' .20 "8..05 <4.2 .20 208D 89D 98C0 73 4;054A6 79"@*1 6 ' ' 2 #

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8=240?0C09.' 73'67' C89@' ?4=.75406≠ 9D' K760 : 296' 6.8.06' <28.' : 85.4=6"85"@' ; 0"79B6' .7' .246' : 749. ' .28.' 7"7B0606' F49B' 73' 85.248 ' 609.' 8' B7"D' =57<9' .7' 4.A6 ' 79' 8==7A9.' 73' 246' =79SA06.' 73' KAD808 ' 975' <86' .246' =A6.7C' 0I.49=.' 8.' 8' "8.05' 8B0 ' 86' 46' 8..06.0D' ; @' A60 ; 4A6 ' <27' 98558.06' .28.' ' ' <050' : 50609.0D' .7' 796.89G .490' ; @' D46.89.' 98.4796 ' <2050 ; @' .20@' 64B94340D' 86' 20' : 57=00D6' .7' 8DD ' .20' 73305' 79' .2045' : 85.' 73' 7 ; 0D409=0' 89D' 8""489=0' .7' .20' 0C : 0575 ' 43' 20' <86' <4""49B' .7' 80=0 : .' 4.≠ (209' K5."489A6 ' 28?49B' 09B8B0D' 49' <85' <4.2' .20' 0564896 ' 28D' =57660D' .20' A : 258.06 ' .20' : 0..@' F49B6' 73' .20' 858=096' M8==75D49B' .7' CC489A6N) 5' 5 ++ ' ' ' ' ' ' 0 ' ' 0 ' ' ' Y' ' ≠ I I 444≠ =≠ 444* 1 93"A09=0D' ; @' .20' 68C0' 97.4796 ' .20503750 ' .20' 85.24896' 89D' .20' F 3 ' .28.' .20@' C4B2.' 49B58.48.0' .20CG 60"?06' <4.2' .20' 50=09."@' 8D7 : .0D' A.7949A6' 4CC0D48.0"@' 79' 246' 09.589=0' A : 79' 4C : 0548"≠ D4B94.406 ' 609.' .7' .20' D06.490D' 6A==06675' .2760' 8==A6.7C0D' B43.6' <24=2' 509D05' ; 7.2' C09' 89D' B7D6' : 57 : 4.47A6≠ 75' <86' .246' D790' <4.27A.' 27 : 0' ; @' .20' 85.24896' 375' 4.' 8 : : 0856' 357C' : 85.489A6 ' .28.' 8D5489' 28D' : 57C460D' .28.' 98.479' .28.' 20' <7A"D' 506.750' .7' .20C' .20' =2845' 73' .2045' F49B6' " ' ¼' <24=2' 58 89' 28D' .8F09' 8<8@' ; A.' .28.' 20' D4D' 97.' C8F0' B77D' 246' : 57C460 ' <0' "0859' 357C' 8 : 4.7"49A6' <27' 6.8.06' 9.7949A6' .7' 28?0' 6.7A."@' 503A60D' .20' 68C0' =2845' .7' .20' 5090<0D' 09.508.@' 73' .20' 85.2489' C7985=2≠ 79=05949B' .20' F 3 ' 97.249B' =05.849' 8 : : 0856 ' 0I=0 : .' : 0528 : 6 ' .28.' .20@' 09D08?7A50D' .7' <49' .20' 38?7A5' 73' 9.79490 ' "06.' 20' 627A"D' 86646.' =05.849' ; 75D0549B' 6.8.06 ' <4.26' <27C' .20@' <050' 8.' <85≠ 9D00D ' 4.' 46' 83345C0D' ; @' 8 : 4.72996' .28.' .20' 3 ' 73' "247 : 7"46' <050' C7"06.0D' ; @' 89' 85C@' 357C' # ' M79' .20' 62750' 73' .2 ?$A I 490N ' ; A.' .28.' 89' 8A I 4"485@' 375=0' 28?49B' ; 009' 609.' ; @' 9.7949A6' .7' .28.' =4.@' .20' 49?8D056' <050' 0I : 0"'0D ' 89D' 28D' .7' B4?0' 276.8B06' 375' C849.0989=0' 73' : 08=0*U 1 00' ' ≠ ≠ F ' # ≠ ≠ F ' . 1 9' 8' =749' 73' .20' F ' 38C4"@* ≠ F ' 75' F 1 ≠ ≠ ≠ + 05' 4 F ' M.20' 37C' 73' .20' @085N' 850' D064B98.0D' 79' =7496' 73' .20' 4C : 0548"≠ 605406' ; @' 37A5' "4..0" ; A@6 ' 75' B45"6 ' .2060' .@ : 06' 850' 37A9D' 79' C0D8"6' 89D' C0D8""4796' 73' 8D5489 ' 9.7949A6' 4A6 ' 8A6.498' 609*' ≠ 04A6 ' 7CC7DA6 ' KA"48' 7C98 ' 858=8""8 ' "0I89D05' 0?05A6 ' 50 ; 79≠ &8""A6 ' 57 ; A6 ' 47="0.489 ' 4=494A6' A9*' 79G 6.89.490' .20' &508. ' =* 1 00' o o ' $! 0 / ' * 1 ' # * ≠ F) 1 " o ' $ ' ' ' F) 1 9' ABA6.89' =7"79@' D46.49BA4620D' 357C' 7.2056' 73' .20' 68C0' 98C0' ; @' .20' .4."0' 73' F) ' # ' 375C05"@' =8""0D' ') F) ' F ' 49' F3 ' # ' M97<' 240C5ACN* 1 ' =4.@' 73' ?05@' B508.' 89.4SA4.@' 64.A8.0' 79' .20' C7A9.849' 8C8548≠ 3.05' ; 0G =7C49B' 6A ; 0=.' 49' 6A==066479' .7' F49B6' 73' 6580"' .7' .20' 66@54896 ' .7' "0I89D05' .20' &508. ' .7

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.20' .7"0C406 ' 89D' .7' .20' K0 < 6 ' 4.' <86' 8ABG C09.0D' ; @' 057D' .20' &508. ' 89D' =8""0D' ; @' 24C' F) ' 49' 2797A5' 73' ABA6.A6' M8 ; 7A.' .20' @085' ?*=≠ > N≠ .6' 4C : 0548"≠ =7496' D7' 97.' 27<0?05' =7CC09=0' ; 03750' .20' 504B9' 73' 057' 89D' 83.05G <85D6' 8 : : 085' 79"@' A9D05' 7C4.489' 7CC7DA6' 89D' 858=8""8≠ .' <86' 97.' 99.4"' .20' 504B9' 73' 0 : .≠ 0?05A6' .28.' F) ' M75' 8C8548N' <86' C8D0' 8' 7C89' =7"79@' 79' <24=2' 7==86479' 4.' .77F' 357C' .28.' C : 0575' .20' 98C06' 73' ' F + ' :' 89D' .20' =7"7946.6 ' 7A.' 73' B58.4.AD0' .7' .20' 37A9D05' 73' .2045' : 54?4"0B06 ' 6.5A=F' 79' .2045' =7496' .20' 208D6' 73' 0?05A6L6' 38C4"@ 1 98C0"@' KA"48' 7C98 ' 858=8""8 ' 89D' &0.6 ' <4.2' .20' 496=54 : .479' ≠ ' 89D' 79' 67C0' 7.2056' ' 1 ' T ' F , # ' 7' "8.05' C0D8"6' 73' .246' =7"79@' .289' .2060' 850' 0I.89.* 1 ' 20' 4C : 0548"6' 73' 7C4.489' 89D' 73' 7CC7DA6' 850') ' &500F' 89D' 8.49* 1 20' =7"7948"' 4C : 0548"' 28?0' 8"67' ' 496=54 : .4796' 79' .20' 7 ; ?0560 ' 89D' &500F' 79' .20' 50?0560* 84""89.' B4?06' .20' .<7' 37""7<49B' 3+ ' 73' .246' =7"79@' 357C' =7496' 73' .20' B508.06.' 5854.@ ' ?4\ */ 1 , ≠ 1 9' 8' 60=79D' 89D' .245D' ; 5866' 73' KA"48' .20' 0C : 5066' 73' 0?05A6' .2500' 34BA506' 6.89D49B' <4.249' 8' .0C : "0' 73' 37A5' =7"AC96 ' 8==7C : 8940D' ; @' .20' "0B09D' 73' " o ' " $ " ' ' ' F) ^ 20' C4DD"0' 34BA50' 73' .246' B57A : ' 46' .28.' 73' KA : 4.05 ' <2D60' .0C : "0' 4.' 8 : : 0856' .7' ; 0*Q >≠ 1 9' 60=79D' ; 5866' 73' .20' 68C0' 0C : 5066 ' 8' 34BA50' 49' C4"4.85@' B85C09.6' 6.89D49B ' 46' =57<90D' ; @' 4=.75@' 79' .20' 7.205' 64D0' 6.89D6' 8' <7C89 ' ="7.20D' 49' .20' 6.7"8 ' <08549B' .7<056' 79' 205' 208D ' 205' 54B2.' 289D' 0I.09D0D' .7<85D6' .20' =09.50' 34BA50 ' 89D' 205' "03.' 289D' 27"D49B' 8' =7C9=7 : 460* ^ 20' =7"7946.6' 73' 0 ; 86.0' 2050' D0D4=8.0' .7' KA"48' 7C98 ' .20' <430' 73' .2045' 37A9D05 ' 8' C0D8"' 79' <24=2' ; 46' 0334B@' .8F09' : 0528 : 6' 357C' 8' 6.8.A0' 050=.0D' 49' .2045' 375AC ' 46' 0I24 ; 4.0D ' =57<90D' ; @' 4=.75@' 49' : 50609=0' 73' .20' &094A6' 73' .2045' =4.@' 49' C0C75@' 73' 0?05A6L6' 6 : "09D4D' 0I : "74.6' 8B8496.' .20' 85.24896' D48 ; 094896' 89D' 58 ; 4896*Q F) ' ; 57.205' 73' K7?49A6' <86' 8667G =48.0D' 49' 67?0504B9.@' <4.2' .28.' A6A5 : 05' 73' .20' : A5 : "0' DA549B' .20' 504B9' 73' 7975496' ' , > ' 89D' : 57="84C0D' ABA6.A6' 49' &8A"' 73' <24=2' =7A9.5@' K7?49A6' 28D' ; 009' .20' C76.' : 7<053A"' 97 ; "0C89≠ A.' .89" : 2A6 ' ' 49B' 73' .20' &7.26 ' <27' 28D' A6.' 8 ; 89D790D' .8"@' .7' 09.05' &8A"' 86' .20' 8""@' 89D' =7""08BA0' 73' K7?49A6' 8B8496.' .20' 54B2.3A"' 0C : 0575 ' 73309D0D' 8.' .20' 0"0?8.479' 73' 0 ; 86.489' : A.' 24C' .7' D08.2' 8.' 85 ; 7990' 86' .20' =79D4.479' 73' 246' 7<9' : 08=0' <4.2' 7975496 ' ' , H≠ 2A6' : 054620D' 83.05' 8' 30<' C79.26' 73' 38"60' B"75@' 8' B8@E2085.0D' .27AB2."066' 99E' <85"4F0' @7A9B' C89' : 50C8.A50' ?4=.4C' .7' .20' 8C ; 4.479' 73' 8' ; 57.205' <27' 24C60"3' <86' 8"67' =8 : .A50D' 89D' ; 0208D0D' ; @' .20' A96=5A : A"7A6' 89D' ?49D4=.4?0' .8A" : 2A6' 8' 6275.' .4C0' 83.05<85D6* 1 ' 20' =749' 73' 0 ; 86.489' 49' 64"?05' : A ; "4620D' ; @' 47990.' 89D' F05C89' 4.' 46' .7' ; 0' 30850D' 46' E97.' 8A.209.4=8.0D' 86' B09A490* ≠ 75' # ≠ # ≠ F ' 1) * 1 ' 9' 64"?05' 73' 7CC7DA6' M.20' 6830.@' 60=A54.@' 75' .589SA4""4.@' 73' .20' <75"D"N F + ' 8' "79B' F9430' <4.2' 8' 57A9D' 4?75@

WB # *1 # *

89D"0' 7598C09.0D' <4.2' B7"D' 75' 64""?05 ' <2 4=2' .20' :5406.6' 8.' 68=5434=06' A60D' .7' 6"8AB2.05' .20' ?4=.4C6' 75' .7' 0I.58=.' .20' 09.584"6*

F ' 8I0 ' 75' 28.=20.* 1 20' $ p' <2 4=2' .20' 4=.756' =85540D' ;03750' .20' #7C89' =796A"6' 89D' 7.205' ?05@' 24B2' C8B46.58.06 ' =79646.0D' 754B498""@' 73' 8I06 ' .20' "79B' 289D"06' 73' <2 4=2' <050' ;7A9D' A :' 49' 8' 6A557A9D49B' =860' 73' 57D6*' 20' =A6.7C' D8.0D' 4.60"3' 67' 385' ;8=F' 86' .20' 8B0' 73' #7CA"A6 ' <27 ' 4.' 46' 684D ' ;7557<0D' 4.' 357C' .20' F49B6' 73' .9A548* A.' 6779' 83.05' .20' 06.8 ; "462C09.' 73' 8' 50 : A ; "4=89' B7?059C09.' 8.' #7C0 ' .20'$ ' M86 <0' "0859' 357C' 479@64A6' 73' 8"4=859866A6N' <050' 8""7<0D' .7' ;0' 85C0D' <4.2' .20' ' 79"@' <209' .20' =796A"6' "03.' .20' =4.@' .7' 749' .20' 85C@* 2060' 8<3A" 496.5AC09.6 ' 86' D097.49B' .20' :7<05' 73' "430' 89D' D08.2 ' <050 ' 27<0?05 ' : 05C4..0D' .7' ; 0' 7490D' .7' .20@ j A=06' 73' .20' D4=.8.75 ' <20.205' 49' .20' =4.@' 75' 8.' 8' D46.89=0' 357C' 4. ' .7' .20' 9AC ; 05' 73' .<09.@E' 37A5* 20' 68C0' 9AC ; 05' <86' 8"67' B589.0D' .7') ' '43' .20@' 28 : : 090D' ; 7.2' .7' C85=2' 375.2' .7B0.205*

8?05=8C :' 7 ; 605?06' .28.' .20' F 5' '$ ') 5' 28?0 ' ; @' <8@' 73' 7598C09. ' .20' 208D' 67C0G .4C06' 73' 8' 27560 ' 67C0.4C06' 73' 8' 58C ' : "8=0D' 79' .20' C4DD"0' 73' .20C* B 9' 0I8C : "0' 73' .246' F49D' 46' B4?09' 49' 750"" ' 79' =7496' 73' .20' '38C4"@ ' 89D' 8"67' 73' .20' ') ' 67' 385' 86' 50"8.06' .7' .20'$ 5 ' ; A.' .20' 5' D706' 97.' 8 : : 085' 79' .20C* ^ 20' .@ : 06' 49' SA06.479' C8@ ' .20503750 ' : 0528 : 6' ;0' =7964D050D' .7' 50 : 50609.' .20'$ '49' .20' 6.8.0' 49' <2 4=2' .20@' <050' 27C0' ? ; 03750' .20' =796A"6' ' .20' =4.@*Q

F ' ' .20' 68=50D' 8I0 ' A60D' 49' D4?4D49B' .20' ;7906' 89D' .20' 3"062' 73' .20' ?4=.4C' 49.7' C89@' : 85.6 ' 89D' .20' 68C0' 68=5434=48" 496.5AG C09.' <86' 8"67' 0C : "7@0D' .7' 6"8@' .20' ?4=.4C* 1 20' 34BA50' 73' 4.' 8 : : 0856 ' 86' 8' C85F' 73' .20' =2403 ' 79G .434=8.0 ' 79' =7496' 73' - ' ' ' 9D' 7.2056* .' 46' "4F0<460' 6009' 79' =7496' 73' .20' ' . ' 89D' - ' 38C4"406 ' 8==7CG : 8940D' <4.2' .20' + '89D' 7.205' 68=05D7.8" 4964B948*

F 1 0=A54.@ ' 86' 8' B7DD066' <7562 4 : : 0D' ; @' .20' #7C896 ' 46' D0"4908.0D' 49' 8' B508.' ?8540.@' 73' <8@6' 79' .2045' 4C : 0548" =7496* 20' 8 : : 0856' 375' .20' C76.' : 85.' A9D05' .20' 375C' 73' 8' <7C89' 49' C8.574D@' =76.AC0 ' .27AB2' 49' 67C0' 30<' 496.89=06' 620' 46' ; A.' 28"3' ="7.20D ' 28?49B' 8' ?04" .257<9' 7?05' .20' "7<05' 0I.50C4.406* 7C0.4C06' 620' 46' SA40."@' 608.0D' 86' 43' :0530=."@' 8.' 205' 0860' 89D' 28?49B' 97.249B' .7' 3085* 28.' 46' .7' 68@' 205' 54B2.' 75' 205' "03.' 0" ; 7<' 506.6' 79' 205' =2845 ' 89D' .20' 289D' 6A : : 75.6' 205' 208D ' 86' 49' 057* 5' 0"60' 790' 73' 205' 85C6' 46' : "8=0D' 8 ; 7?0' .20' 208D ' 89' 8..4.ADO' <24=2' 89=409.' 85.46.6' 50B85D0D' 86' =2858=G .0546.4=' 73' 50 : 760* 20' 27"D6' 49' 790' 75' 7.205' 73' 205' 289D6' 04.205' 8' 6=0 : .50 ' 75' 8' + ' 75' .20' '+ ' 75' 8' =7CA=7 : 460 ' 75' 8' : 8.058 ' 75' 8' B"7 ; 0* 9' 67C0' C0D8"6' .2050' 46' 9085' 205' 8' "4B2.0D' 8".85 ' 79' 7.2056' 620' 6.89D6' "089498' 8B8496. ' 75' <4.2' 205' 85C' A : 79 ' 8' =7"AC9' 75' ++ ' 28?49B' 67C0.4C06' .20' "0B6' =57660D' 49' 8' .589SA4" ' 086@ : 76.A50 ' =855@49B' 790' 73' .20' 8 ; 7?0E' C09.4790D' 6@C ; 7"6 ' 75' 7.205<460' 27"D49B' ; 03750' 205' 8' ; 589=2* 75' 8' =57<9' 73' 7"4?0 ' 75' 8' : 8"C' ; 589=2* 20' C089498' 73' .2060' ?8547A6' 8..4.AD06

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89D' 8..54 ; A.06' 46' 79' .20' <27"0' .77' 0?4D09.' .7' 50SA450' 0I : "898.479* 2050' 850' C0D8"6' 73' 9085"@' 8"" .20' 0C : 05756' M<4.2' 3"8B589.' 498 : : 57 : 548.09066' .7' C76.' 73' .20' 504B96N' 357C' .27' 89D' 4.0""4A6' .7' 796.896' 89D' 796.89.496' A9* ' <2 4=2' 28?0' 375' .20' .@ : 0' 73' .2045' 50?05606' .246' 34BA50' 73' F 3 ' 89D' Y : 50609.' 375' .2045' "0B09D' .20' <75D' " ! ' <4.2' .20' 8DD4.479' 73' .20' <75D6 ' & !! ' 75' ' M60=A54.@' 73' .20' 0C : 0575' 75' 73' .20' 0C : 05756N ' *$! ' M60=A54.@' 73' .20' <75"DN ' ' M : A ; "4=' 60=A54.@N ' # * # ' M : 05 : 0.A8" 60=A54.@N[((1 ' $!' M60=A54.@' 73' .20' #7C89' : 07 : "0N ' # * ' M73' .20' 4C06N ' 4 44' M73' .20' 0C : 450N ' " ' M73' .20' 8B0N ' 4 ' M73' .20' 50 : A ; "4=N ' =* # * &&* 1 20' 0C : 0575' 49' 8' .54AC : 28" SA8D54B8 ' <4.2' 89' 7"4?0' ; 589=2' 49' 246' 54B2.' 289D* 1 9' 8' B7"D' =749' 73' - ' # 20' 3' ; 786.0D' 73' ; @' .20' ; 860E ; 7C' 89D' 2C.8" : 549=0 ' <27' =8A60D' .246' C0D8" .7' ; 0' 6.5A=F ' 46' =7964D050D' ; @' =F20" 86' 49D4=8.0D' .7' 28?0' ; 009' 7 ; .8490D' 49' .20' 3456.' : "8=0' ; @' .20' D0308.' 73' 8I04.4A6 ' 89D' 83.05 <85D6' ; @' .28.' 73' 8I4C49A6' 8\8 ' ^83.05' <2760' D08.2' 4=494A6' 89D' 796.89E' .49A6' M.20' '8""AD0D' .7' 49' .20' "0B09DN' 50C8490D' C86.056' 73' .20' 0C : 450 ' .20' 375C05' 50=04?49B' 375' 246' 8""7..0D' : 75.479' .20' 086.059' :57?49=06*0' 9D' .20' : 50609.' =749' : 57?06' ; 0@79D' 8' D7A ; .' .28.' .20' 95CA"@' 4=494A6 ' 28?49B' 7?05.257<9' 246' 54?8" ' 866AC0D' .20' 2797A56' 73' .20' .54AC : 2' 49' 67C0' =4.@' 73' .20' 086.' 375' 8' ?4=.75@' B8490D' 7?05' 246' 7<9' =794".5@C09* 20' C750' C7D06.' 796.89.490' 28D' 49D00D' A60D' .20' 68C0' 675.' 73' 496=54 : .479' "F ' +) ' %' ; A.' <4.2' 8' ?05@' D*" 05093= .@ : 0' 98C0"@' .20' 76A5D' 34BA50' 73' 0=A54.@ ' "089498' 7A9' 8' =7"AC9*

* # * * 1 20' A6A8" .@ : 0' 89D' 8..54 ; A.06' S3' 0=A54.@*

20' 8 ; 7?0' "0B09D' 8 : : 0856' 79' 6' C4DD"0' ; 5866' 73' &8"0549 6 8I4C49A6' M49' <2 4=2 ' DR@.20' <8@' .20' C49.C86.05' 286' ; "A9D050D' .20' <75D' # + ' 49.7' # + % 1 =F20" 46' 73' 7 : 49479' .28.' .246' =749' <86' 6.58=F' 97.' "79B' 83.05' .20' : 0547D' <209' 47="0.489' 89D' 8I4C489A6' 8 ; D4=8.0D' .20' 4C : 0548" .25790' <24=2' .20@' 28D' 34""0D' .7B0.205' 86' 8667E' 048.0D' 0C : 05756 ' 89D' .28.' .7' .2760' .<7' : 549=06' 8"790' ; 0"79B6' .20' 496=54 : .479' 73' 4.6' 50?0560 ' ; @' <24=2' F ' + + ' 46' :57C460D' .7' .20C ' 9AD05' .20' =850' 89D' C898B0C09.' 73' 90<' ' 89D' 606856 ' 375' 49' .28.' 8B0' M ; 0B49949B' 73' .20' 37A5.2' =09.A5@N' .20' .4." 0' 73' . ' ' <86' =A6.7C854" @' B4?09' 79' C790@' .7' .20' ' 79"@' 86' : 54?8.0' 49D4?4DA8"6 ' ; A.' 4.' <86' 6779' 83.05<85D6' B500D4"@' =8AB2.' 8.' ; 7.2' ; @ ' 89D' ' # ' # * 1 4905?8' 6.89DG 49B ' 27"D49B' 49' 205' "03.' 289D' 8' 6 : 085' 50?0560D ' 89D' 506.49B' 205' 54B2.' 289D' 79' 8' 6240"D* 1 4"?05' 73' 858=8""8* # ' #" F 3' $' ' ' # + 1 &7"D' 89D' 64"?05' 73' .27' ; 085' .246' "0B09D' 79' .2045' 50?0560 ' <4.2' .20' .@ : 0' 73' F ' 49' 8' C8.579L6' 28 ; 4. ' <27' ' "43.49B' .20' "03.' 289D' .7' 205' 208D ' 89D' 506.49B' 205' 0" ; 7<' 79' 8' =2845 ' 64.6' 8.' 205' 0860 ' 27"D49B' .20' '+ ' 49' 205' 54B2.' 289D*

=F20" B4?06' .20' 8 ; 7?0' 86' 8' B09A490' =749' 357C' .20' C : 0548" 8 ; 490.' 73' 40998 ' 89D' 8""AD06

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:506649B' .20' :05C8909.' :766066479' 73' .20' 4CG :0548'' D4B94.@' ;@' .20' 504B949B' :549=0 ' 86' 4C :"40D ' 46' .20' , 6# ' # ' 89D' .20' # '' &'' 73' 89' 085"405' :0547D ' 86' 49' 57 ; A6 ' 89D' 49' 796.89.496' *Q

F + 1 20 6A598C06' 73' .246' #7C89' 38C4"@' 86' .20@' 8 : :085' 79' =7496' 850' ' 4 ' 89D' ! ' 3' .2060' M86' 4?@' 620<6N' .20' .58.494' <050' : 8.54=4896 ' .20' &58==24' :"0E *;04896 ' 73' <28.' 75D05' <050' .20' 4.47906' 46' 99=05.849* 1 ".27AB2' 750"'' B4?06' .<09.@E.<7' ?8540.406 ' 49' 6 ?05' 89D' 3456.' ;5866 ' @0.' .20' .@ : 06' 850 ' 86' 5'' F05C89' 7 ; 605?06 ' T 375' .20' C76.' : 85.' A949.0506.49B'4 =79646.49B' 73' .20' <49B0D' 208D' 73' 49052?8 ' <4.2' .20' 50?0560' 73' .20' 476=954*U 1 ' ?05@' 5850' B7"D' =749 ' ; 08549B' 79' 4.6' 7 ; ?0560' .20' C7D058.0"@' ; 085D0D' 38=0' 73' =.8?489 ' <4.2' ! ! 5? 4'' ?*' 89D' 79' 4.6' 50?0560' 8' 30C8"0' 34BA50' 27"D49B' 5ADD05' 89D' =7CA=7 : 4m' .7B0.205' <4.2' .20' 4C : 7649B' 496=54 : .479' 73' 4'' # 5 ' # ' * '* %'' ' 286' B4?09' 5460' .7' 8' D46605.8.479' 73' 8?05=8C : L6 ' 49' <24=2' 0F20'' 349D6' 24C' .7' 28?0' .<4=0' 620<9' 6@C : .7C6' 73' 67C97''09=0' '') ' %' :' 89D' 8 ; 7A.' <24=2' 97.249B' 73' =7960SA09=0' 600C6' : 57G ; 8 ; "0' .289' <28.' .N40' =749' 4.6D3' 49D4=8.06 ' ?4*' .28.' .246' &58==A6' M73' :"0 ; 0489' : 8509.8B0 ' .7' 68@' 97.249B' T' ' 8 ' D3' 246038C796' 8B4.8.49B' 89=06.756 N' 7334=48.0D' 86' e ' ' ' .7' ABA6.A6 ' 89D' 8.' .20' .4C0' <209' 20' 6.5A=F' .20' =749' <86' %9m6.75' 0"0=.* 1 2050' 850' 64''?05' :40=06' 73' .246' 38C4"@' =7490D' ; @' .20C49.C86.056' 73' KA"4A6' m685' 89D' ABA6.A6'' ' ; 5866' 850' 04.205' .20' ' 75' : 85.6' 73' .20' '' F 1 00' ' ' ' # ' 'F ' '# ' 73' KA"48' 7C98'' '' F ' ' F 1 246' .4."0' 46' 350SA09."@' 508D' 79' =7496' 73' .20' C : 05756' 47="0.489' 89D' 8\4C489 ' .7' 49D4=8.0' M : 89204C' 7 ; 605?06N' 75' .7' 01 : "849' .20' =8A60' 73' .2045' ; 7.2' 8 ; D4=8.49B' .20' B7?059C09.' 8.' .20' .4C0' <209' .20' 6.509B.2' 73' 844C489' <86' 6.4''' 994C : 8450D* '' F 1 00' " ' e ' =''' ' ' F ' ' 86' 49' ABA6.A6* * 1 00' # ' e ' 73' 7CC7D96 ' 89D' ' ' 73' 8" ; 49A6* * 1 2k' 0C : 0575' 49' 4C : 0548'' 75' 6098.7548'' 28 ; 4.' 54=2"@' 7598C09.0D' <4.2' .20' 8 ' ' 27"D49B' 49' 246' 54B2.' 289D' 8' B"7 ; 0*

89D' 49' 246' "03.' 8' 6=0 : .50'' 9' .20' 01105BA0' ' 246' ; 08A.43A'' B7"D' C0D8''' 479' 73' 796.89.490' .20' &508.' 375C8' .20' ' .7' .20' 60=79D' ?7"ACO' 73' 5'' F05C89L6' T' #850' 89D' 90D4.0D' #7C89' 7496*U' 0' 7 ; 605?06' 4.' 46' C76.' : 57E

* ; 8 ; "@' A94SA0'' 20' 7 ; ?0560' 620<6' .20' ; A6.' 73' 796.89.490' 8558@0D' 49' 57 ; 06' =7?050D' <4.2' 7598C09.' 27"D49B' 8' B"7 ; 0' 49' 246' "03.' 289D ' 89D' 8' 6=0 : .50 ' 6A5C7A9.0D' ; @' 89' 08B"0 ' 49' .20' 54B2.'' .' <86' 6.5A=F' 8.' 50?06 ' 49' =7C : "4C09.' .7' .20' 0C : 0575' 89D' .20' 6098.0* EEEEEEE * 1 4=.75@' <8"F49B 27"D6' 8' 6240"D' 49' 205' 54B2.' 289D ' 79' < 24=2' 46' 496=54 ; 0D' '' * 0F20'' B4?06' .20' 8 ; 7?0' 357C' 8' 64''?05' =749' 73' 4.0''''4A6 ' 49' .20' 4C : 0548'' =8 ; 490. ' 89D ' 34''''49B' A :' .20' "0..056' < 24=2' 850' < 89.49B' 49' .20' "0B09D' .2A6/ ' 49' 7C ' 20' 50C85F6' .28.' .20' 496=54 : .479' 8 : : 0856' 49' .246' =860' 3A5' .20' 3456.' .4C0' 79' .20' =7498B0' 73' .20' #7C896'' T' @' 4.6' .@ : 0' M20'8DD6N' .20' 6098.0' 50 74=06' 8.' .20' ABA6.' 4=.75@' 7 ' G2# 3' B8490D' ; @' 4.0''''4A6' 7?05' .27*U 1 7''* ?4'' : '' H, * * 1 00' +' ' E %* 1 & ' ' '' %'' #*' 49' &8''''409A6* 1 05' 8386' 8' .4."0' B4?09' .7' KA"48' 7C98* 1 #' ' 49' 7CG C7D96* 1 # ' 64 ' 49' 8" ; 49A6'' ' ' 49' 7CC7DA6* F ' 098.0' 75' 8660C ; "@' 73' 6098.756 ' .20' 98C0' B4?09' M357C' ' ; 0=8A60 ' 8.' 3456. ' 8"790 ' 79' 8== 7A9.' 73' .2045' 01 : 05409=0' 89D' 6A : G : 760D' : 94D09=0 ' <050' 8"790' 60"0=.0D' 375' C0CG ; 056N' .7' .28.' =7A9=4'' 73' 6.8.0 ' <24=2' #7CA"A6' 496.4.A.0D' .7' 8664 6.' 24C' 49' .20' B7?059C09.' 73' 246' 49389.' F49BD7C ' 89D' .7' 50BA"8.0' 4.6' : A ; "4=' 8338456' DA549B' 246' 8 ; 609=0' 79' 89@' <85"4FO' 01 : 0D4.479'' 20' 754B498'' 9AC ; 05' 8 : : 749.0D' ; @' .20' 37A9D05' 73' #7C0' <86' 790' 24CD50D' 89D' .2060' ; 049B' =27609' 357C' .20' 7"D06. ' 86' <0''' 86' .20' <08".2406.' 89D' <4606.' 73' .20' =4.4\096 ' <050' =8''''0D' : 8.54=4896 ' 357C' .20' <75D' + 1 85E' S9494A6' 546096' M24C60"3' 8' ' ' 89D' 73' 37504B9' D06=09.N' &F ' .20' 3456.' <27 ' 357C' 8C79B' .20' C76.' 0C4909.' 73' .20' =7CC798".@' "+) %' .77F' 897.205' 2A9D50D' C09' 73' 8D?89=0D' 8B0 ' 89D' =7930550D' A : 79' .20C' .20' 6098.7548'' .4 0' 89D' D4B94.@'' .' <86' .20' 7 ; 0=.' 73' #7CA"A6 ' 49' =508.49B' .20' 6098.0 ' .7' 06.8 ; "462' 8' ; 7D@' <27' 627A"D' : 05375C' 8' "08D49B' : 85.' 49' .20' 8DC4946.58G .479' 73' B7?059C09.' 89D' 7==864798''"@' .7' =7CG C89D' 49' 246' : "8=0'' 46' 6A==066756' 6A : : 75.0D' 4.' 49' .20' 0105=460' 73' .246' B508.' 8A.2754.@' A9.4'' 85S949' .20' 57AD' ; 0B89' .7' 504B9 ' 89D' 20 ' 8==75D49B' .7' 4?@ ' 8 ; 7"4620D' .2045' 375C05' : 50G 57B8.4?06 ' 28D' 8' =7A9=4'' 73' 246' 7<9 ' =796A".49B' 904.205' 6098.0' 975' : 07 : "0' ; A.' C8D0' : 08=0' 89D' <85 ' .508.406' 89D' 8''489=06 ' <4.2' <27C' ; 0' : "0860D'' 3.05' .20' 01 : A"6479' 73' .28.' .@589. ' 89D' .20' 8 ; 7"4.479' 73' .20' #7C89' C7985=2@ ' .20' 3456.' ' 49' 75D05' .7' 6A : : "@' .20' : "8=06' 73' .2760' <27C' 85S949' 28D' 6"849 ' 89D' 8.' .20' 68C0' .4C0' .7' 8ABC09.' .20' 75D05' C8D0' 4.' .7' =79646.' 73' .2400' 2A9D50D'' .' <86' 8.' .246' 0 : 7=26' .28.' .20' 6098.0' : 7660660D' 4.6' 24B206.' D0B500' 73' : 7"4.4=8'' : 7<05'' .' .209' ; 0=8C0' 8 ; 67"A.0' C86.05' 73' .20' =7CC79<08".2 ' 89D' 8' ' ' <86' .20' 67"0' =28990'' 73' 49375C8.479' 8 ; 7A.' : A ; "4=' C8..056' .7' T .20' C86606*U' "40' : 07 : "0 ' 49' 38=. ' 8 : : 0850D' .7' 28?0' 09 7@0D' 49G 3494.0"@' "066' "4 ; 05.@' A9D05' .20' =796A"85' B7?059G C09.' .289' 28D' ; 009' B589.0D' ; @' #7CA"A6 ' 89D

=79.49A0D' .7' .20C' ; @' .20' C8 754.@'73' .2045' F49B6# 75' .20' 496A : : 75.8 ; "0' <04B2.' 73' .20' 8.54=489' @7F0' .20' : 07 : "0' 50?7".0D 49' .20' @085' *7# >[a ' 89D' .2045' 50.508.' .7' 796' 8=05' :57?0D' .20' C089G' 73' 7 ; .84949B'375' .20C' .20'54B2.' 73'0"0=.49B') ' 86' .20' : 0=A"485' C8B46.58=@' 73' .20' "0G ; 04896' ' 89D'.20'6A ; .0S909.'"8<' ; @' <2#=2' 79' .20' 7==86479' 73' .20'833845' 73' 7547"89A6 ' 0?05@' #7C84 ' =4.4\09 ' <4.27A.' 506 : 0=.' 375' 75D05' 75' D4B94.@ ' 627A"D' ; 0' =7C : 0""0D' .7' 896<05 ' <209RD4D@' 6ACG C790D' .7' 8 : : 085 ' ; 03750' .20' : 07 : "0' 8660C ; "0D' 49' ' ; @' .54 ; 06 ' .20' : 8.54=4896' 28?49B' : 50G ?47A6"@' 8=F97<"0DB0D' .20C60""?06' 8C098 ; "0' .7' 97' 7.205' ADB06' .289' .20' 6098.0' 4.60"3# A.' 8".27AB2' .2A6' C8.0548""@' 62759' 73' 4.6' 7?05 : 50G D7C498.49B' : 7<05 ' .246' 8546.7=58.4=' 89D' A6."@' 493"A09.48" ; 7D@' 6.4""# 50C8490D' .20' 67"0' BA85D489' 73' .20' : A ; "4=' .5086A50 ' 4.' .77F' =7B94\89=0' 73' 8""# : 7"4.4=F' 8338456' =7CC4..0D' 49' .8"@ ' 50.8490D' .20' 54B2.' 73' 609D49B' 8C ; 8668D756' .7 '89D' 73' 50=04?49B' 09?7@6' 357C ' 37504B9' : 549=06' 89D' 6.8.06 ' 4.' =79G .49A0D' .7' 0405=460' .20' : 5057B8.4?0' 73' D0=50049B' .54AC : 26 ' 73' 50=04?49B' .20' D06 : 8.=206' .589G6 C4..0D' ; @' .2760' <27' =7CC89D0D' .20' #7C89' 85C406 ' 89D' 49' B508.' 0C05B09=406' 73' 75D0549B' .20' =796A"6' .7' 5846O' 375=06' 375' .20' : 50605?8.479' 73' .20' 6.8.0# 20' 6098.0' <86' C7507?05' 09.5A6.0D' <4.2' .20' 6A : 0549.09D09=0' 73' 8""' .28.' =79=0590D' .20' 306.4?8"' 54.06' 89D' .20' 3A9=.47985406' 73' 50"4B479# 9' 8' <75D' 67' "79B' 86' .20' 3500' 50 : A ; "4=' "86.0D ' 4.' <86' 50B85D0D' ; @' 8""# 86' .20' 68=50D' 208D ' .20' : 05 : 0.A8=" =7A9=4" ' .20' 6A : : 75.' D0309D05' 89D' : 50605?05' 73' .20' =7CC79<08".2# 2500' 2A9G D50D' 50C8490D' .20' 9AC ; 05' 73' .20' 6098.0' A : ?' .7' .20' 8B0' 73' @""8# 9D ' 8".27AB2' .20' 8C7A9.' .7' <24=2' 20' 49=50860D' 4.' =8997.' 20' : 50=460"@' 86=05.8490D ' @0.' : 57 ; 8 ; "@' 4.' .209' 0I=00D0D' 37A5' 2A9D50D ' <24=2' <86' .20' 4CC ; 05' 49' 4=057L6 .4C0 ' 86' C8@' ; 0' B8.2050D' 357C' 246' "0..056' .7' ..4=A6*1 (209' .20' 0C : 450' 6A : : "89.0D' .20' 50 : A ; "4=' 8' =75506 : 79D49B' =289B0' .77F' : "8=0' 49' .20' =796.4.A.479' 73' .20' 6098.0 ' <24=2' 28D' 8"508D@' ; 009' 0975C7A6"@' 49=50860D' ; @' KA"4A6' C685# M 479' 68@6' .7' 9490' 2A9D50D ' 89D' A0.794A6'=855406' 4.' .7' 790' .27A689DN# A.' 86' 8' B508.' C89@' 73' .2060' 90<' C0C ; 056' <050' .7.8""@' A9<75.2@' 73' .20' 2797A5' M375' 6.589B056' 357C' &8A" 89D!' 0"60G <2050' 28D' ; 009' 49.57DA=0D' 49.7' 8667=48.479' <4.2' .20' $ 5' + ' 73' #7C0N' ABA6.A6' 64BG 98"460D' 246' 8==066479' .7' 6A : 50C0' : 7<05 ' 8C79B6.' 7.205' .249B6 ' ; @' ; 549B49B' .20' 6098.0' 28=F' 8B849' .7' .20' 9AC ; 056 ' 89D' 506.7549B' 4.' .7' .20' 7A.G <85D' 6 : "09D7A5' <24=2' 4.' 28D' ; 0375O' .20' 7454"' <85 ' 75' : 0528 : 6 ' 20' : 05C4..0D' 4.' .7' 20' 9AC054G =8""@' B508.05 ' 86' 8==75D49B' .7' 479 ' 4.' .209' =79646.0D' ; 850"@' 73' 641' 2A9D50D' 6098.756 ' 89D ' 8".27AB2' 6A==00D49B' 0C : 05756' 67C0.4C06' C8D0' 8ABC09.8.4796 ' 4.6' 8?058B0' 9AC ; 05' <86' 90?05' 83.05<85D6' CA=2' C750# 20' 50?7"A.479 ' 6.4""# 50 0=.49B' .20' 98C0' 73' ' 49B ' B8?0' 8' C7985=24=8" 375C' .7' .20' B7?059C09. ' 89D'6779' 493"A09=0D' .20' : 764.479' 73' .20' 6098.0# ABA6.A6L6' 8 : : 749.C09.' 73' 8' D46.49=.' =7A9=4" 73' 6.8.0' <86' .20' 3456.' ; "7<' 6.5A=F' 8.' .20' : 546.490' 8A.2754.@'73' .28.' =0"0 ; 58.0D' 8660C ; "@# 4 ; 054A6' C898B0D' 6.0 : ' ; @' 6.0 : ' .7' D0 : 54?0' 4.' 73' 0I0=A.4?0' : 7<05' 49' C8..056' 73' 89@' "08D49B' 4C : 75.89=0# 2050' <86 ' 49D00D ' 8' 627<' [' >

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73' 50E06.8 ; "46249B' .20' 6098.0' 49' 4.6' 7"D' 54B2.6' A9D05' 057' ; A.' 8=4.A6 ' <27' 8""AD06' .7' .20' =45=AC6.89=0 ' 7 ; 605?06' .28.' 4.' <86' 8' C050' D46BA460' 73' .28.' : 549=0 ' <27 ' A9D05' 67C0' 6A=2' 8' 3845' 7A.64D0 ' 67AB2.' .7' C86F' 246' 508"# 49.09G .4796O' <24=2' 6779' ; 0.58@0D' .20C60"?06' 49' .20' C76.' 8.57=47A6' 09=578=2C09.6# A==00D49B' 006856 ' 0SA8""@' 85 ; 4.585@ ' 89D' 67C0' 73' .20C' 6. " C750' 85.3A" ' : 57=00D0D' 49' .20' B58DA8"# ; A.' 0330=.A8"# .86F' 73' 57 ; ; 49B' .246' : 7<053A"# 89D' 79=0' C8 06.4=' ; 7D@' 73' 8""# 4.6' 6.8.0' : 54?4"0B06 ' 89D' 73' 050=.49B' 4C : 0548"# D06 : 7.46C' 79' .20' 5A49 ' 2AC4"48G .479 ' 89D' D46B58=0' 73' .20' 6098.7548"# 75D05

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9' 89' 0"0B89.' 3456.' ; 5866' 73' &8" ; 8 ' <4.2' .20' 3750B749B' "0B09D ' 8' 6098.75' 46' 50 : 50609.0D' 49' .20' 8=.' 73' =57<949B' .20' 0C : 0575# 8?05=8C : ' 49' 246' =7CC09.85@' 79' 750 L6' 09B58?49B' 73' .246' =749 ' 68@6' 20' 286' 97' D7A ; ' ; A.' .28.' .246' 50C85FG 8 ; "0' .@ : 0' 503056' .7' .<7' 64C4"85' 6.8.A06 ' <24=2' <050' 050=.0D' 8.' #7C0' ; @' 8' D0=500' 73' .20' 6098.0' 49' 2797A5' 73' &8" ; 8# 75' 20' 46' 2050' 6009' 057<90D' ; @' .20' 6098.0 ' 75' ; @' .20' &094A6' 73' .20' 6098.0 ' 8' 54.0' 754B498""@' : 05375C0D' 8C79B' .20' &500F6' 8.' .20' =050C79@' 73' 584649B' 6.8.A06 ' 89D' <24=2' 600C6' .7' 28?0' ; 009' 8D7 .0D' 357C' .20C' ; @' .20' #7C896# 6' .7' .20' 40.@' =0"0 ; 58.0D' 79' .246' C0D8"' .20' 68C0' 9AC46C8.46.' 50B85D6' 4.' 86' 89' 8""A6479' .7' .28.' D46 : "8@' 73' C7D06.@' <24=2' D46.CBA4620D' .20' =79DA=.' 73' &8" ; 8 ' <27' 62A990D' .20' 8 : : 08589=0' 73' 866AC49B' .20' 0C : 450' <4.27A.' .20' =79609.' 73' .20' 6098.0 ' 89D' <27 ' 83.05' 20' 28D' 50?7".0D' 357C' 057' 89D' ; 009' 68"A.0D' 86' 0C : 0575' ; @' .20' 85C@' 28D' .20' : 5AD09.' 6250<D9066' M86' A0.794A6' 50"8.06N' 08""# 24C60"3' 79"@' ' F ' '# + ; ' 6 1 00' '47' $

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1 ' =7"AC9 ' 79' <24=2' 46' 89' 7<"# 246' "0B09D' 89D' .@ : 0' : 50609.' .20C60"?06' 79' 8' 3456.' ; 5866' 73' 58 89#' 9D' 49' 5030509=0' .7' .20' =7"AC9 ' 4=75494 ' 49' 246' D46605.8.479' 79' "08D09' =7496 ' 286' 0I : 50660D' ' 7 : 4947'9 .28.' 4.' <86' 49.09D0D' .7' 50 : 50609.' .20' 790' <24=2' 46' .7' .246' D8@' 6009' "@49B' 79' .20' B57A9D' <4.249' .20' : 8"8=0' =8""0D' 1 ' '79' ' " ' 8.' #7C0*

6F4 (F ' ' 8DD4.4796' .7' .20' .4."0' 73' .20' C : 0575' ' ' 20' <75D' F ' 8 : : 0856' 79' =7496' 73' 47="0.489' 89D' 246' =7""08BA0' 814C489 ' <27' 50605?0D' .7' .20CG 60"?06' .246' 2797A5 ' 49' .2045' 8 ; D4=8.479' 73' .20' 0C : 450*

#' #* 1 00' ' $! ' C" ' 73' 796.89.490' .20' &508.*

F ' 89' 7"D' C89 ' ; 085D0D ' <4.2' 8' 6.833 ' <24=2' 8' 605 : 09.' 09.<4906' <4.2' 246' 37"D6* 1 00' 7, +

9' 7"D' C89' 27C0' 79' .20' 627A"D056' 73' 8' @7A9B05* 1 00' ; ' 38C4"@*

#' * 1 09475' 75.4664C96' C : 058.75 ' 79' 8' =7960=58.479' C0D8"' 73' 8"# 814C489A6 ' B4?09' ; @' 89DA54*

F C ' 8' : "0 ; 489' 38C4"@ ' 357C' <24=2' 6 : 589B' # ' <27' 605?0D' 86' .54 ; A90' 73' .20' : 07 : "0' *?*7*' [, * 1 .' 28D' .20' 6A598C0' 73' F 1 9'.20' 7 ; ?056O' 73' 790' 73' .20' C89@

H> 9 L H b *1 # ♯

D09854♯ 73' .246' 38C4"@' ;08549B' .20' <49B0D' 208D' 73' 8""86 ' 46' 496=54;0D' #&♯ *1 79' .20' 50?0560' 46' .20' 98C0' ♯ 88' ♯ * ' 2 ' ' H ' 89D' .20' .@:0' KA:4.05' 49' 8♯ S98D54B8*1 9' .20' 50?0560' 73' 897.205' D09854A6' <0' 508D' ♯ Z♯# J W8 é' .20' .@:0' ;049B' 8' 98F0D' C89' D54?49B' 8' 37A5E27560D' =85' 8.' 3A""♯ 6:00D' 89D' 27"D49B' A:' 49' 246' 54B2.' 289D' 8' '? $ 1 .' 46' 97.' ="085"@' F97<9' <27' <86' .20' ♯ 09.4A6' <27' 28D' .20' =285B0' 73' =74949B' .2060' 085"405' D09854♯ "+ ' ' %♯ 7A.' 73' .20' :A;"4=' 64"?05 1 TF 4 ' F ' 6' .7' <28.' .20' 98F0D' C89' 79' .20' "8..05' =749' 27"D6' 49' 246' 54B2.' 289D' =F20"♯ 8B5006' <4.2' 8?05=8C:' 49' :5797A9=49B' 4.' .7' ;0' .20'$ ' M75' =A5?0D' 508:49B' 277FN' 89D' 357C' .28.' 6@C;7"♯ 50=7B94\49B' 8.A59' .20' C750' "4F0"@' .7' ;0' 34BA50D' ;@' 09.4A6' 79' 246' =7496' ;0=8A60' .20' 98C0' 73' .28.' D04.@' ;750' 8""A6479' .7' 246' 7<9' =7B97C0A' 73' F ' M 00' F % 1 2050' 850' .245.@E' 790' ?8540.406' ;A.' D4.30549B' 79"@' 49' C49A.0' :85E' .40A"858♯ 20' 64"?05' 0794C79* *1 75.A90' 6.89D49B' <4.2' 205' 5ADD05' 89D' =7CA07:400*1 6 ' ' "! *' <4.2G 7A.' .@:0*1 2060' 8::085' 79' 8' ' =749' 75' ' 73' .20' .245D' C8B94.AD0' 89D' 0BA49' 49' 246' F ' ' - þ 0' 286' 2797A50D' 4.' <4.2' 89' 8..0C:.' 8.' 05:"898.479' C750' =7:47A6' 89D' CA=2' C750' 6054796' .289' C054.0D' ;@' 75' 0"A=4D8.4?0' 73' .20' 6A;0=.' 79' <24=2' 8AD="7." 49' 246' 8 =' ' 3 ' 46' AD4=47A6"@' ;540305' ;A.' 6=85=0"@' C750' "AC497A6*1 2060' =7A9.056' 49' .20' 208?406.' 89D' DA""06.' 73' C0.8"6' 43' .20@' 28?0' 89@' C08949B' 28?0' C76.' :57;8;"@' 5030509=0' .7' .20'$ ' 73' .20' :54?8.0' 49D4?4DA8♯" <27' =8A60D' .20C' .7' ;0' 6.5A=F *' 75' *1 F=+ ' 89' 8::0""8.479' 8D7:.0D' ;@' .20' 60?058♯" =7"79406' 73' 87D40 r 8' 49' @548' 0;86.0' 49' 8"06.490' 89D' @C6' 49' 27094=48' 357C' .20' :5 r 97C09' 73' .2045' 37A9D05' 75' ;09038=.75' 0:.4C4A6' 0?0576* F + ' :"8=06' 49' .20' 8C:A6' 85.496' 8.' 7590' 09="760D' <4.2' 584"6' 49' <24=2' .20' :07:"0' <050' 8==A6.7C0D' .7' 8660C;"0' 375'.20' :A5:760' 73' B4?49B' .2045' ?7.06♯ 5;C' .20' 5060C;"89=0' <24=2' .20@' 754B498""@' ;750' .7' 6200:E37"D6' .2060' + ' <050' 8"67' =820D' ' 20@' <050' .245.@E34?0' 49' 9AC;05' 790' 375' 08=2') ' 75' <85D♯ A4".' 8.' 3456.' 73' <77D' .20@' <050' 83.05<85D6' C750' 67"4D"@' =796.5A=.0D' 89D' 99D05' .20' 0C:05756' 620<6' 73' B"8D48.756' 89D' 7.205' 6:0=.8="06' <050' 7==864798""@' B4?09' 49' .20C' .7' .20' :07:"0*1 20' + ' 86' A60D' 375' .20' :A5:760' 73' =7""0=.49B' .20' :7:A"85' 6A3358B06' 850' 6009' D0:4=.0D' 79' D09854♯ 73' .20' ' ' * ' ' 89D' ' 38C4"406*1 ?♯ ' = F + ' F=+ ' F + 1 246' 9AC;05' 60?09' <0' 349D' <54..09' 79' #7C89' =7496' ?44*1' 2♯ ' ♯ ?4 ♯ F + / o & ' !!' ' F=+ 1 9 :♯' ?44♯' + ' F + ♯' F + 1 8C4"@' 98C0' 73' 8' 7C89*1 :♯ # o' " $' #) ' F + ' 1 00' F + ' ' 8'38C4"@' 6AC8C0D' ' F97<9' 79"@' 357C' 4.6' =7496' 6.5A=F' 49' 64"?05' ;@' .20' C790@056' 73' KA"4A6' m685' 89D' 85F' 9.79@*1' .' 248' .2A6' ;009' .20' 496.5AC09.' 27<0?05' 73 289D49B' D7<9'.7' 96':75.584.6' 73' KA"4A6' r 685' 49' ?8547A6' 8..450' 89D' <4.2' D4330509.' 496=54:.4796♯" 9D' 79' .20' 50?0560' 8==7C:89@49B' .20' 98C06' 73' :♯' 4 4?6' 9 =<=' 6==' 49' 7440' 496.89=0' .20' 38?7A54.0'.A.0"85@'73'.20' 4=.8.75' ' ♯:' 89D' 49' 897.205' .20' D0D4=8.75@'0:4B58:2' " o .' 8"67' 73' 35=SA044.' 7==A5509=0' 79' .20' =7496' 73' KA"4A6*1 20' 37""7<49B' 46' 790' 73' .20' 58505'.@:06' 73' .246' 38C4"@'/1 7' "0BOOD*1 ' ?04"0D' 208D') ' ;03750' 4.' .20' "4.AA6' ;0249D' 4.' .20' :54=3054=A"AC* 6 1 ♯ 4?6' ♯ 9' 0SA06.5489' ". %♯ BA4D49B' .<7' 275606' <24=2' 20' A5B06' 79' <4.2' 58460D' <24:' ' ;0249D' 46' 8' :8"C' ;589=2' 89D' 8' B85"89D* 20' ?04"0D' 208D' 79' .246' D09854A6' 46' =7964D050D' .7' ;0' .28.' 73' 85F' 9.79@♯ 9D' 357C' .20' =45=AC6.89=0' 73' 4.6' 0I24;4.49B' ') ' M.20' 38=:.' ;049B' 50=75D0D' .28.' 9.79@' 6A33050D' 246' ;085D' .7' B57<' 375' 67C0' .4C0' 49' .7F09' 73' 246' B5403' 375' m685I6' CA5D05N' 4.' <7A"D' 8::085' .28.' .2060' 64"?05' =7496' 73' 0:A""4A6' <050' 6.5A=F' 97.' "79B' 83.05' .20' D08.2' 73' .20' 4=.8.75' .20' 208D' 73' KA"4A6' ;049B' :"8=0D' 79' 67C0' 73' .20C' 49' B58.03A♯" 50C0C;589=0' 73' 6A=2' 8' C89' ;@' .20' .209' B7?05949B' .54AC?458.0* 20' C8"0' 34BA50' 79' .20' 50?0560' 54D49B' 79' 790' 27560' 89D' "08D49B' 897.205' 46' 50B85D0D' ;@' 9AC46C8.4=' 89.4SA85406' 86' 790' 73' .20' 75' 0SA06.5489' ?8A"=56' ^.20' A=57<6' 89D' 8..@6' 73' .2045' D8@Q' <2760' :85.' 4.' <86' 8.' .20' :7""4985489' 89D' 7.205' :A;"4=' B8C06' .7' 6:95' 79' .<7' 275606' .7B0.205' 8.' .2045' 3A""06.' 6:00D' 67' .28.' ;049B' C7A9.0D' 79' 790' .20@' :50609."@' AC:0D'A:79'.20'7.205'89D';8=F8B8498".0C8.0"@' <4.2'<79D053A♯"SA4=F9066*1 09=0';@'8C0.8:275' .20' "4B2.' 89D' .4=F"0' =2858=.05' 20' <27' =7A5.0D' C89@' C46.506606' 75' <27' 73.09' =289B0D' :7"4.4=8♯" 64D06' <86' =8""0D' ' 2A6' ?4D1 ' ' '+ ' ' ' ' A.' 894"496' " ' ♯?♯ [N' <27C' =F20♯" 28::4"@' SA7.06' 83375D6' .20' ="08506.' f"A6.58.479' .7' .20' .@:0' 49' SA06.479'/ ' ' ' ' ' ' / + ' ') '+ ' $ '+ ' # 0 ') ' 0 ' '+ ' ' 2060' 27"D' 89D' 6F4"3A♯" 2756=54D056' 850' "4F0<460' .@:4340D' 79' =7496' 73' .20' ' 89DO' ' + ' 38C4"406* ♯" F 1 9' =7496' 73' &8";8' <2760' :5 r 97C09' 4.' <86* ♯" F 1 0=' ' ' #C374* F + *1 20' C@.27"7B@' 73' .20' B@:.4896' 46' C750' .289' 96A8 @' 7;6=A50' 89D' D4334=A":.' 49' 01G :"84949B'.20':7<056'89D'8..54;A.06'73'.246'D4?494.@' <2760' 98C0' 89D' <75624:' 27<0?05' .27AB2' 97.' F97<9' .7' .20C' 49' .20' 085"406.' 8B0' <86' 8.' 8" "8.05' :0547D' 20"D' 8;7?0' 8"♯ 7.2056' 49' .20' 24B206.' 50?05G 09=0' 89D' D46.49=.479' ;@' .28.' 6A:056.4.47A6' :07:"0♯ 1 28.' .20' 89=409.6' .20C60"?06' <050' 8.' ?85489=0' <4.2' 08=2' 7.205' 506:0=.49B' 058:46' 46' 627<9' ;@' .28.' :8668B0' 49' 8=4.96' <205049' 4.' 46' 83345C0D' .28.' C89@' 50=7B9460D' 49' .246' B7D' R + ' 4C:A.49B' .20' 208"49B' 73' 64=F9066' .7' 246' 49.05?09G .479' ' 67C0' .27AB2.' 24C' 4D09.4=8♯" <4.2' 1 ' .20' 7"D06.' D04.@' 73' .20' B@:.4896' ' 7.2056' 8B849

50B85D0D' 24C' 86' KA : 4.05 ' : 7680664AB' A94 0588" : 7 < 05 ' ; A.' ; @' C78.' 20' <86 ; 0 ; 0?0D' .7' ; 0' .20' 68C0' 86' "A.7 ' .20' T'B"77C@U' <' # ' 73' .20' 49305A8" 50B4796" 0' .246' 86' 4.' C8@ ' .20' B09058" 4C : 5066479' 73' .20' 89=409.6' 7 ; ?47A6"@' 600C0D' .7' 28?0' ; 009 ' .28.' ; @' 058 : 46 ' <86' .7' ; 0' A9D056.77D' .20' ; 0B49949B' 89D' 37A9D8.479' 73' .249B6 ' 89D' 8==75D49B"@' <0' 349D' 24C' 8D750D' 49' : 57=066' 73' .4C0' 97.' 79"@' 8.' "0189D548 ' ; A.' 8.' .2096 ' 89D' 49' 7.205' &500F' =4.406 ' 67C0' 73' < 24=2' =285B0D' .2045' =7496' <4.2' .20' 34BA50' 73' .246' D04.@" ." "09B.2' .20' #7C896 ' < 2760' 379D9066' 375' 90<' B7D6' 49=50860D' <4.2' .20' =755A : .49B' 493"A09=0' 73' .2045' 37504B9' =79SA06.6 ' 49.57DA=0D' .20' <75624 :' 73' 058 : 46' <4.249' .20' <8""6 73' .2045' =4.@' ' 97. ' 27<G 0?05 ' <4.27A.' 7 : : 764.479' 89D' 50646.89=0' 375' 8' 608679' 79' .20' : 85.' 73' .20' 6098.0' .7' .20' : 7 : A"85' .2456.' 83.05' 6A=2' 97?0"..406" 257AB2' .20' 493"A09=0' 73' " 4=.75' 89' 8".85' <86' 050=.0D' .7' 058 : 46' 49' .20' ' ' ! ' 89D' 4.' SA4=F"@ 866AC0D' .20' 375C' 73' 8' 6A : 05 ;' .0C : "0 ' <24=2 ' 83.05' 4.6' "0189D549G : 57.7.@ : 0 ' <86' =8""0D' .20' F + ' 20' : 549G =4 : 8" .8"489" =4.406 ' 90?05' 385' ; 0249D' #7C0' 49' .20' 58=0' 73' 4D7"8.5@ ' 6779' 4C4.8.0D' 205' 0I8C : "0' 49' .246' 496.89=0 ' 89D' 4.' <86' 97.' "79B' ; 03750' .20' <75624 :' 73' 058 : 46' <86' 0I.09D0D' 357C' .8"@' ; @' .20' D4"4?0509.' =7"79406' 609.' 357C' .28.' =7A9.5@' 49.7' 648' 4975* 1 .' 286' 8"508D@' ; 009' 97.4=0D' .28.' 8C79B6.' .20' C7.4?06' 375' 49?7F49B' .246' 38 ; "0D' D04.@ ' <86' 246' 208"49B' 8..54 ; A.0 ' 06 : 0=48""@' 49' =8606' 73' 8=A.0' D4608606" 85=76' A502A6 ' .75G .A50D' <4.2' .20' C8"8D@' < 24=2' 83.05<85D6' : 57?0D' 38.8"' .7' 24C ' C8D0' 8' ?464.' .7' .20' .0C : "0' 73' 058 : 46 ' 8.' 0549.2096 ' 49' 258=0 ' 89D' .209=0 ' 8==75D49B' .7' 246' 246.75489 ' 20' 50.A590D' 49' 208".2" 20' =45=AC6.89=0' 46' 50=75D0D' 79' 8' C0D8" M6.5A=F ' ; @' .20' 0549.24896N ' 79' <24=2' 46' 6009' .20' 208D ' 73' .20' 0C : 05<5 ' 89D' 79' .20' 50?0560' .28.' 73' 058 : 46* 1 .' 8' CA=2' "8.04 058 ' 89D' <4.2' 97.' .20' 68C0' 0I=A60' 73' 0DA=8.4798" : 50 AD4=06 ' .20' C : 0575' KA"489' * ' 897.205' : 24"767 : 205 ' ; A.' 24B7.0D"@' : 50305549B' 8B8946C' .7' 2546.4894.@ ' 89D' 06 : 0=48""@' D0"4B2.49B' .7' 2797A5' B@ : .489' 7"@.2046C ' A9D05' &50=489' 89D' #7C89' 98C06 ' =796A".0D' .20' 758="0' 73' : 7""7 ' 375' .20' : A5 : 760' 73' "085949B' <20.205' "A.7' 89D' 058 : 46' <050' D4330509.' B7D6 ' 89D' 20' 50=04?0D' 375' 896<05' .28.' - + F + ' # ' & ' ' ' ' ' d 3 1 (0 600' .20' A60' 73' .246' C8D0' ; @' .28.' 8 ; "0 ' ; 58?0 ' 8==7C : "4620D ' ; A.' <50.=20D"@' 49=79646.09.' C89' 89D' C76.' 0==09.54=' :549=0 ' 49' 246' =7496' 496=54 ; 0D' 9 ' 3 %! ![' ' =*

F + ' 46' 50 : 50609.0D' <4.2' .24=F' 2845' 89D' 57AB2' 2085D ' 20' 46' 8"67' 3A594620D' 79' 246' 208D' <4.2' .20' C086A50' " %' 75' ; 86F0.' " %' 6009' 49' &500F' =7496' 79' .20' 208D' 73' KA : 4.05* 1 9' .20' #7C89' 4C : 0548" 605406 ' 20' A698""@' 6.89D6' <4.2' 54B2.' 289D' 0"0?8.0D' 89D' 27"D49B' 8' 6.833' .5896?0560"@' 89D' .20' 6F45.6' 73' 246' B85C09 9' 246' "03.' 8"<8@6' <4.2' .20' ' ' + ' .' 46' .2A6' .28.' 20' 46' D0"4908.0D' 79' =7496' 73' 7CE C7D96' 858=8""8' 50 ; 79489A6' &8""A6' &8""409A6' 76.ACA6' "8AD4A6' &7.24=A6' 89D' 0"098*

F + ' 79' 8' 3456.' ; 5866' 73' 8D5489' B4?09' ; @' 84""89.' 8 : : 0856' <4.2' ' 89D' .20@' ; 7.2' 749' 289D6' <4.2' .28.' 0C : 0575' 89D' 8 ; 498' 8=5766' 89 8".85' : "8=0D' ; 0.<009' .20C* 1 00' ! ' 2) 7 2

9' 8' =749' 73' .20' =7"79@' 73' m68508' 9" 0' # *! ' 2 ' 1 ' 4 2 A' 6.5A=F' 9D05' " A50"4A6 ' .20' 208D' 73' 058 : 46' 46' D0 : 4=.0D' <4.2' .20' ' 75' ; A620" C086A50" 246' 605?06' 86' 790' 73' 9AC057A6' : 57736' .28.' .20' <75624 :' 73' 058 : 46' <86' B508."@' 6 : 508D' 8.' .246' .4C0' 8C79B' .20' D4330509.' 98.4796' 73' .20' : 8B89' <75"D ' 89D' =7557 ; 758.06' .20' 7 ; 605?8.479' C8D0' ; @' 84""89.' M.7C" 4" : " , N' .28.' .20' 89=409.6' 4CD056.77D ' ; @' .20' 98C0' 73' 058 : 46 ' .20' A94?0560' 4.60"3 ' 75' 58.205' .20' 67A" 73' .20' <75"D ' 28.' 46' .7' 68@ ' .28.' 89=409.' : 549=4 : "0' <24=2' B4?06' "430' 89D' C7.479' .7' 8 ' =508.0D' ; 049B6*

9' 8' =749' 73' 7CC7DA6 ' 49' =F20"L6 ' ' M44" : " > N' 058 : 46' 46' D0 : 4=.0D' <4.2' ' ; 0249D' 27"D49B' .20' ' : : 764.0' .7' .20C' 46' 7CC7DA6' <08549B' J20' .7B8" 4=.75@' 6.89D49B' 8.' 246' ; 8=F' 89D' =57<949B' 24C" 058 : 46' 89D' .20' C : 0575' 749' 54B2.' 289D6' .7B0.205*

K7 ; 05.' "F ' ' = ' ?7"" 44" : " H aN' 49' 894C8D?05.49B' 79' .20' <75D' # ' <24=2' 64B943406' 89' 8660C ; "8B0' 73' .20' 6@C ; 7"6' 73' 60?058" D4330509.' D04.406' 49' 790' : 05679434=8.479 ' 4""A6.58.06' 246' C08949B' ; @' 5030509=0' .7' 8' ; 579\0' C0D8" M=7490D' 49' B@ : .N' 73' 9.7949A6' 4A6" 246' : 50609.6' 79' 4.6' 50?0560' .20' 208D' 73' 8' C89' 49' <24=2' M68@6' 20N ' 8""" 49' 790 ' 46' .7' ; 0' 50=7B9460D' T' 058 : 46' ; @' .20') ' 75' C086A50' <24=2' 4.' =855406' ' .20' A9' ; @' 4.6' =57<9' 73' 58@6' ' KA : 4.05' CC79' ; @' .20' .<7'58C6L 27596' 0 : .4C0' ; @' .20' .54D09.' ' 89D') 6=A"8 : 4A6' ; @' .20' 605 : 09.' 09.<490D' 57A9D' .20' 289D"0' 73' .20" .54D09." 00' # ' 1 ^ 246' =749' 46' B4?09' 97.' 79"@' 49' K7 ; 05.' ; A.' 8"67" ; @' 0BA49*Q

9' 8' "85B0' ; 5866 ' 6.5A=F' ; @' .20' =7"79@' 73' 497 : 0' 49' 2797A5' 73' &0.8 ' 46' 8' C8 06.4=' 34BA50' 73' 058 : 46' 6.89D49B* 1 00' 0""054A ' = ' 4" 4?444" 7" , *

20' C : 0575' KA"489 ' 49' 246' V r 6856 U' C8F06' KA : 4.05' 8DD5066' 24C60"3 .7' 246' V' ; 57.205U' F + ' M.20' 4C : 0548" 8A.275' .8F49B' 24C' 2050' 375' # % ' ; 0=8A60' M68@6' 246' .5896"8.75' : 89204CN' 4.' <86' 49' 246' =0"0 ; 58.0D' .0C : "0' 8.' "0189D548' " ' ' ' ') $ ' ' & ' 86' <0' "0859' 357C' 207D750.N ' .28.' 06 : 86489' 50C' =04?0D' 49.0""4B09=0' 73' .20' D08.2' 73' 4.0""4A6 ' 89D' 0?09' 7.205' 8ABA5406' 73' 246' 7<9' 8==06647B' .7' .20' .25790" 246' : 0528 : 6' "0D' 246' 679' 7C4.489' .7' 58460' 8' .0C : "0' .7' .28.' B7D' 73' #7C0' 75' 8.' "086.' .7' 50E ; 94"D' .20' 790' <24=2' <86' ; A59.' DA549B' .20' 504B9' 73' 4.A6*U

" AC05689' 49' 246' . + ' F ' $' ' ' 357C' .20' ' ' ; ' ' 8 ; 490.' 286' B4?09' 89' 09B58?49B' 73' 89' A90D4.0D' 3456.' ; 5866 ' 6.C0F' 8.' 497 : 0 ' 89D' D0D4=8.0D' .7' 85=A6' A50"4A6* 1 20' 50?0560' 73' .246' ; 08A.43A" =749' 20856' 375' 4.6' "0B09D' =" 4" " ' " == ?44* ' 89D' 375' . ' .20' ; A6.6' 73' 058 : 46' 89D' 646* 1 00' : 4" I" 7* ' : 4" * # ' # " &* 1 058 : 46' 6.89D49B' <4.2' .20' C7D4A6' 79' 246' 208D ' 246' 54B2.' 289D' 0I.09D0D ' 89D' 8' 6 : 085' 75' <89D' 49' 246' "03." 9' 8' 5850' 64"?05' =749' 73' 7CC7DA6* 8C : 54D4A6' 20856' <4.9066' .7' .20' 35A4.' .28.' 7CC7DA6' <86' C4B2.4"@' 8DD4=.0D' .7' .20' 6A : 05E

H ' *1 # * # *

6.4.479' 73'.20' B@:.4896 '.28.'20' 8=54.4=0D'.7' 646 ' 62850D' 246' 208D ' 89D' 7334=48.0D' 86' 8' :5406.' 49' .20' :57=066479' 73' 9A246≠ 6' .20503750X' :58496' <86'.27AB2.' ;@' C89@'.7' ;0'* 6=A"8:4A6 ' 84""89.' 6A:.7606'.28.'.20' C0D8"≠ <86' 6.5A=F' 7;' .20' 7==8G 6479' 73' 7CC7DA6' ;049B'=A50D' 73' 67C0' D460860 ' 83.05' :8@49B' 246' ?7<6'.7' 058:46 ' <27' 46' 375'.28.' 508679' 2050' =8""0D'.20' C:05750 :50605?B3"' 0 ' %' 9 P # ' & ' &W443* 1 246' "0G B09D ' }4.2' .20'.@:0' 73'.20' B7D ' 89D' 89' 4;46' 8.' 246' 300.' 8:.0856' 79' 8' 3456.' ;5866' 73' &8""409A6 ' <27 ' 28?49B' 60"0=.0D' 8' CA".4.ADO' 3' D04.406' 86' 246' :50605?056 ' 2050' =79D06=09D6'.7' 8=F97<"0DB0'.20' B508.'* 058:46' 375' 246' T' + N ' & ' 8' 38C4"@' 73' 24B2' :8.54=489' 589F ' <24=2 ' 8==75D49B'.7' 45B4"' " ' ?≠ ,>,N ' 50G 30550D' 4.6' 754B49'.7' 05B06.A6 '.20' =7C:89479' 73' 4 9086/ P F 0 ' ' ' '0 'F '97C09* 57C' .246' 6.7=F' 6:589B' 8.4"498 '.20' C75.8"≠ 090C@' 73' 4=057 ' 89D' .20' :573"4B8.0"@' D8549B' =796:458.75' 8B8496.'.20' ?05@' 0146.09=0' 73' #7C0' 4.60"3≠ .6' =7496' 850' 64"?05 ' 89D' 0124;4.'.20' <75D' F ' .20' 6A598C0' 73' .20' F ' 38C4"@≠ 2050' 46' 79"@' 790'.@:0 ' ;A.'.28.' W"84C6' 97.4=0' 86' ;049B' 73' 246.754=8"≠ 49.0506.' 86' 37""7<6 / 1 9' .20') '46'.20' <49B0D' 2080D' 73' 4905?8/ ;0249D' <24=2' 46' $ ' 89D' ;03750' 4.' 6 ' o ' =* 1 ' 9' .20' ' ' &!' !O ' ' 27560C89' 20"580.0D' 89D' 49' C4"4.85@' 28;4.'754B49B' 8.' 6:00D' 27"D49B' 49' 246' "03.' 289D' 8' 2AC89'208D' 89D' 8' 6<75D* 246' D0985496' 50:50609.6' 8' #7C89' ?0.0589 ' 98C0D' ≠ 05B4A6 ' 8' :57D4B@' 73' =7A58B0' 89D' 375.4.ADO' 86' 0?49=0D' ;@' 246' 01:"74.6'49'.20' &8""4=' 89D' 8994;8"4=' <856≠ #06:0=.49B' .246' 01.58G 75D4985@' C89' .2050' 46' 8' 50C85F8;"0' :8668B0' 49' "49@' M,≠ ?44≠ ' >aN ' <27' D06=54;06' 05B4A6' 86' 28?49B""76.' 24 '54B2.' 289D' 49' 790' ;8.."0 ' 89D' 49' .<7' =8C:84B96' 50=04?49B' .2500' 89D' .<09.@' <7A9D6 1 @0.' 34B2.49B' 37A5'.4C06' <4.2' 246' "03.' ;89D' 79"@ 1 89D' 83.05<85D6' 28?49B' C8D0' 375' 24C60"3' 89' ' .4B2.' 289D ' 386.0949B' 4.' 79' M.20' 6.AC:N' 89D' 8B849' 6F45C462498' 49' C75.8"≠ =7C;8.' <4.2' .20' 370' ' 7' .246' 05B4A6 ' =F20"≠ =7964D056' .20' =749' 50"8.06* F + 1 05:09.6' 8:.085'.7' 28?0' ;009' .20' 6@C;7"≠ 73' 648≠ 7C:79496' 0"8' 68@6' e.20' 34BA50' 73' 648' 4975' 27"D6' 49' 4.6' 289D6' 8' 605G :09.' ;0=8A60' :0528:6' 605:09.6' 8;7A9D' 49' .28.' 50B479*U 1 05:09.6' C8@' 28?0' ;0=7C0'.20' 6@C;7"≠ 73' 648' 83.05'.28.'=799.5@' 28D' 8D7:.0D' .20C' 79' 4.6' =7498B0' 375'.20' :A5:760' 73' =8""49B'.7' C49D'.20' (75624:' 73' 8==2A6' <24=2' .20@' =85540D'.7' 8' B508.' 01.09.*1 20' 8==289.06' 49'.20' C@6.0540 6' <050' =57<90D' <4.2' 605:09.6≠ 20' 605:09.' <86' 790' 73'.20' 6@C;7"6' 73' 494.48.479' 49.7' .20' 8==2898"489'K4B406* F + *1 6'50:.4"0' 86' 89' 4C8B0' 73' D4?494.@' 89D' 73' 98.A50' 46' 34BA50D' ;7.2' 49' 4.6' 98.A58"≠ 628:0' 89D' A9D05' 8' ?8540.@' 73' C796.57A6' 89D' 4C8B4985@' 375C6' 79' 8' B508.' CA".4.ADO' 73' =7496' 73' &500F' =4.406' 89D' 8"67' 79' &500F' C:0548"≠ C0D8"6≠ .' 46' "066' 350SA09."@' 37A9D' 79' =7496' <4.2' 8.49' 496=54:.4796'8' ;A.'6.4""≠ .2050' 850' 97. 2' 30<' 496.89=06' 49' <24=2' 4.' 46' 50:50609.0D' ;7.2' 79' .20' 796A"85' 89D' 79' .20' C:0548"≠ C0D8"6' 73' #7C0*1 20' 49?09.75' 73' C0D4=490' * 6=A"8:4A6' 679' 73' :7""7' <86' <75624:.:0D' ;@' .20' #7C896' A9D05' .20' 375C' 73' 8' ' 28.' 894C8"≠ <86' .20' 64B9' 73' .20' 208".2E506.7549B' 38=A".@' ;0=8A60' 86' .20' 605:09.' 49' =86.49B' 733' 4.6' 6F49' <86' 6A:G :760D' .7' ;0=7C0' @7A9B' 8B849' 67' .20' 64=F' .257AB2' .2k' .A.0"85@' 84D' 73' .20' E208"49B' D04.@' <050' ;0"40?0D' ;@' .20' 890409.6' .7' 5090<' "430' 89D' .7' :A.' 733' 7"D' 8B0≠ .' <86' 49' =7960SA09=0' 73' .246' 894C8"≠ ;049B' .2A6'50B85D0D' 86' .20' 6@C;7"≠ 73' 5097?8.479' .28.' .20' 98C0' F + '.77F' 4.6' 5460' 49' 5030509=0' .7' .20' =796.89.' 8..54;A.0' 73' E 6=A"8:496* ⁋ 20' F + ' <4.2' .20' 208D' 73' 058:46' 79' C0D8"6' 6.5A=F' A9D05' 9.79490' 46' .27AB2.' ;@' 4 49' .7' 64B943@' 8' ;09034=09.' B094A6' 89D' .20' C86.05' 73' 98.A50≠ 246' 605 N09.' 46' 8"67' 6009' 79' 8' C0D8"≠ 73' 057' <4.2' 8' "0B09D' <24=2' 49D4=8.06' .28.' .246' 0C:0575' <86' 8' 90<' ;09038=.75' 375' B@:.* 1 9' 8' C0D8"≠ 73' 0C:246' 89D' 49' .20' 289D' 73' 646' 4.' 6@C;7"4606' 30=A9D4.@' 89D' 305G .4"4.@≠ 9D' 86' .20' 605:09.*<86' 684D' .7' 5090<' 4.6' @7A.2' ;@' .20' 899A8"≠ =86.49B' 73' 4.6' 6F49' .20' 8;7?0EC09.4790D' <54.05' .249FX' 4.' C8@' 20' .8F09' 375' .20' 6@C;7"≠ 73' .20' A9' 79' 8' C0D8"≠ 73' .20' C:0575' 05 6' 79' <24=2' 8' + ' <4.2' .20' 208D' 73' 058:46' 46' C7A9.0D' 79' .20' ;8=F' 73' 8' 27560' <2760' C85=2' 6@C;7"4606' .20' 085' :86649B' 8<8@/ .20' 208D' 73' 058:46' 50:50609.49B' .20' A9' 86' .20' 67?0504B9' 73' .20' A94?0560* 20' F + ' <86' 8E6@C;7"≠ 73' :7""7' 89D' 86' $ ' 8==7C:89406' .20' 4C8B0' 73' .28.' D04.@' <27C' .20' 89=409.6' 50B85D0D' 86' .20' BA85D489' 73' 208".2' 79' =7496' ;7.2' 73' .20' &500F6' 89D' 73' .20' #7C896* 20' F + ' <86' 8664B90D' .7' "8==296' A9D05' ?8547A6' .4."06' 89D≠ 375' ?8547A6' 5086796' 37A9D0DE "4F0' .20' 7;0=.' 6@C;7"460D' 79' 38;"0' 89D' 6A:05G 6.4.479≠ "0C09.' 73' "0189D548' 83345C6' T' F ' * ' 1 ' ' ' ' + N' 9 20' 68C0' 8A.275' D06=54;06' 8=G =289.06' 86' =57<90D' <4.2' 605:09.6≠ 09=0' 8' 605:09.' 500:49B' 7A.' 73' 8' 28"3' 7:090D' =206.' M=46.8N' ;0.7F096' .20' 75B406' 73' 8==2A6≠ ' + ' 8:.0856' 79' =7496' 73' ≠ 9.79@' <27' =8""0D' 24C60"3' 8' 60=79D' 8==2A6* <49' F + ' 54649B' 49' .75.A ' 37"D6' 8..8=20D' ;@' .20' .84"6' .7' 08=2' 7.205' ;9.' <4.2' 6' ';0.<009' .20C' 8:.085' 79' 64"?05' C0D8""4796' ;08549B' .20' 208D6' 73' 9.79@' 89D' "07:8.58' 86' B4?09' 49' 750""* <7' F + ' 850' 6009' 79' 8' C0D8"≠ 73' 8D5489' 8' C8"0' 89D' 8' 30C8"0' 790' 286' ;@' 4.6' 64D0' 8' 646.5AC' 89D' 8' :7:.@' .20' 8..54;A.06' 73' 646' ' .20' 7.205' 46' 50:50609.0D' <4.2' 8' =8DA=096' 89D' =759E 0856' 8..54;A.06' 73' 9A246*1 T' 246' .@:0' M68@6 2 49N' 49=79.06.8;"@' 503056' .7' .20' C@6.0540 6' 73' ! ' 89D' .20' 30=A9D4.@' 73' 98.A50*U .'46'68=50D'.7' 89D'8..09D89.'79'- ' ' 75' F + ' 49' <2760'.0C:"0' 75' B57?0' 8==75D49B' .7' 89=409.' =A6.7C' 4.' <86' 50SA450D'.28.' 8' ?45B49' 49' :5773' 73' 205' =286.4.@' 627A"D' 73305' 377D' .7' .20'68=50D'605:09.' MT' + ') + ' N' 68@6' (7".050=FN≠ 7496' 73'.20' # + ' 89D' # ' 30C4"406' 89D' 73' 9.784A86' 496

89D' 7CC7DA6' 28?0' .@:06' 8""A64?0' .7' " 4=' "0B09D85@' 6A; 0=.* 20' 68C0' 894C8** <86' 8"67' 20"D' 68=50D'.7'KA:4.05' 0:.A90' 4905?8' "4.7' 0506' 57605:490' 05=A5@' 646' 89D' t58:46*1' 9D'.28.' 4.6' 4C8B0' <86' A60D' 2@' .20' 89=409.6' *.7' D097.0' 0"4=4.@' 4B4"89=0' 79=75D * 5AG D09=0' 7<05' 4=.75@' 89D' 8;7?0' 8"" ' 08".2' "F % ' 46' 620<9' 79' #7C89' 86' <0"" 86' &500F' =7496*

' D08D' F + ' .<490D' 57A9D' 8'.500' 8:: 0856' 79' 8' 3490' ;5866' C0D8""479' 73' * 9.7949960' 4A6* 05=A"06' <27' 286' 6"849'.246' @D58' 6.89D6' 79' 790' 64D0' 73'.20'*.500' B8.20549B' 4.6' 35A4./ 79'.20' 7.205' 64D0' 850'.20'.2500' 06:054D06* ' F + ' 46'.20' *64B9' 73' 648' M600E ' 6 + ' 8"67' 73' 354=8' <0' 00' 8' + ' .58C:"0D' :79' ;@'.20'3750'300.'73'89'0"0:289.'79' 8'<0 EF97<9' D09854A ' 73' KA"4A6' .0685* 1 "4F0G <460' 8' 605:09.' ;03750'.20' 34BA50' 73' 4=8' 79' 790' 73' 47="0.489L6' C0D8"6* 1 .' ; ' 6009' 09.<490D' 49' 37"D6' 050=.49B' 4..0"3' 8;7?0' 89' 8".85' 79' 7496' 73'.20' "8AD48' A948' #9;548' 89D' ""48' 38C4"406' 89D' 79' 4C:0548** C0D8"6' 73' ABA6.A6' 4;054A6' 057' 8D5489' 9.7949O' A50"4A6' "0I89D05' 0?05A6' 89D* 8I4C489* ' *** ' F + ' =74"0D' 57A9D' 8'.54:7D' 46' 8==75D49B' .7' K7;05.' M:' , N' 503058;"0'.7' :7""7' 75' 49D4=8.06'.20' 0"::24=' 758="06* 246'.@:0'46' 6009' 79' &5 F'=7496'73' 057' 89D' 7C4.489 1 ^ A.'4.' 46' 60"D7C' 6009' 79' 4C:0548** C0D8"6' 73' #7C89' D40' 0I=0:.' 86' 89' 8..54;A.0' 73' * 89D' F ' F + ' 466A49B' 375.2' 357C' 8' 624:' 7==956' 79' 8' 3490' C0D8""479' 73' 9.7949960' 4A6**/1 00' 5?6*1 2050'46' 790'.28.' =58<"6' ;03750' 4=.75@' 79' 8' B7"D' =749' 73' KA"4A6' 80685' 50E*' 6.750D' ;@' 58 89*1 97.205' 46' 6009' 050=.49BU' 4.60"3' ;03750'.20' 38=0' 73' 8' <7C89' 49' 8A6.498' 609* ' F + ' 49?8548;"@' 8::0856' 04.205' 49'.20' 289D' 75<5085'.20' 34BA50' 73' F ' B7DD066' 73' 208".2' 79' 9AC057A6' =7496' 73' 0C:05756' 89D' 0C:506606* 9' 8' =79.7C48.0' C0D8"* 73' 057' 8' 605:09.'8::0856'86'43"8::49B'377D'357C' 8':8.058' 733050D'.7'4.' ;@' 8' <7C89' ^ "@C:486z0' "@49B' 79' 8' =7A=2' ' 79' 897.205' 8' 2AB0' 698F0' 584649B' 4.60"3' 49' 8' 6:458** 375C' D450=.6' 4.6' ;08D'.7<85D6' 67C0' 8::"06' D0:764.0D' 79' 89' 8".85' ;0249D'.20' 605:09.' 46 y'.500* ' F + ' 46' :"8=0D' 79'.20' ;8=F' 73' 8' 27560' 79' =7496' 73' 06:86489' 6.5A=F' 49' B@:..' 89D'.20' 68C0' 50:.4"0' =500:6' <4.2' 208D' A:"43.0D' 79'.20' :57<' 73' 8' 624:' 79** 8' &500F' C0D8"* 73' 7C4.489* ' F + ' 7==A:406'.20' 50?0560' 73' 8' =749' 73'.20' !) h ' 38C4"@' <24=2' =F20"* =8 6' T.20' 605:09.'73' 6=A"8:4A6*U' * 8;54=4A6' $'50=75D0D' .7' 28?0' =8A60D'.20' 6.790' ;54DB0'.7' ;0' ;A4".' 8.' #7C0' <24=2' =7CC994=8.0D' <4.2'.20' 46"89D' 49'.20' 4;05' 49'.20' @085' ?*7* a>* 1 7'.246' 38=.' .20' 0:4B58:2' 73' * 8 4 ' 79' 8'.8;"0.' <4.2' ! + ' * ' 8;7?0' 4.' <24=2' 8:: 0856' 79'.246' 60=79D' ;5866' C0D8"' CD;.' :57;8;"@' 8"49D06* 9D'.246' 7:49479' 46'.20' C750' 6.579B"@' =7557;7G 58.0D';@'.20'.@:0' 73'.20' + ' 4986CA=2' 86' 6=A"8:4A6';049B';57AB2.'A9D05'.20' 375C' 73'.28.' =508.A50' ^86'.20' 6.75@' B706' 3557C' :4D8A5A6'.7 #7C0' 28D' 8'.0C:"0'49'.28.'?05@' ') ' <24=2'.F0' ;54DB0' 73' 8;54=4A6' 605?0D'.7' A94.0' <4.2'.20'3"4.@* ' F + ' 37"D0D' 5799D' 89' 0BB' :"8=0D' 79' 89' 8".05' 8::0856' 79' 9' 3456.';5866' 73'.20' ,++ ' 38C4"@* 20' 64B9434=8.479' 73' <24=2'.@:0' 8?05E =8C:'286'8..0C:.0D'.7' 0I:"849' <4.2'?8547A6'=79E' 0=.A506' 97' <8@6' 68.4638=.75@'.7.20' ADBC09.' 73' =F20"' (27' 49' 246'.A59' D46:"8@6' 86' A6A8** 246' "0859498' 89D' 506085=2' ;A.' :0528:6' 97.' <4.2' 246' 8==A6.7C0D' 6A==066' 49' 67"?49B'.20' 09 y C8' 73'.20' ? ' ' ' ' * F + ' <7A9D' " % 49.7' C89@' =45="06' 75' 54649B' 49' 6:458** 37"D6' 7==956' 9 D09854' 73'.20' 0C4"48' 8:48' 7C:048' 89D' 7C:7948' 38C4"406' 89D' 79' &500F' =7496' 73' 8 89' 8D5489' 89D' 8A6.498' 609* 1 ' ' 698F0' B"4D06';03750'.20';4B8' 73' KA97' 76:4.8' 4"** ' L' ' ' P ' F + ' <4.2' 8' "479L6' 208D' 46' B4?09' ;@' 89DA54' 357C' 8'=749' 73' 47="0.489* * ' F + ' =500:6';03750' 4905?8' 79' 8';5866' =749' 73'.20' "7?48'38C4"@* L' <49' F + ' .<490D' 57A9D' 8' (49B0D' <89D' =796.4.A.0'.20'=8DA=076' 73' 05=A5@* ' F + ' 46':"8=0D' 8'.20';7..7C' 73'.20') ' 79' C0D8"6' 73' 796.89.490'.20' &508.' 600' * :? *N' 89D' 79' 7496' 73' 67C0' 73'.20' "8.05' 2546.489' 0C:05756' M6A=2' 86' 0.579446 8I4CA6N' 8' + ' :576.58.0' 46' 6009' (4.2'.20' 377.' 73'.20' C:0574:"8=0D' A:79' 4.* F + ' 1 00' ' * F ' , 1 7496' 850'.2A6' =8"" 0D' (24=2' 28?0'.2045' 0DB06' 50BA"85"@' 97.=20D' 5799D' "4F0'.20'.00.2' 73' 8' 68 (* 2060' 60558.0D' 75' D09.4G =A"8.0D' C0D8"6' 850' =7CC79' 8C79B6.':57DA=.6' 73'.20' =796A"85' C49.' 8' 385' 8'.20'.4C0' 73' ABA6.A6' 83.05' <24=2' 6=85=0"@' 790' 46'.7' ;0' 37A9D* 1 2A6' 6:0=4C096' 73'.246' 89=409.':58=G .4=0' 850' 6009' 79' =7496' 73'.20' 9.7948' SA4"48' "8AD48' 7590"48' 7C4.48' 8C4"48' 8548' 0CC48' 8:48';5=48' 76.AC48' 570 48' #76=48' A":4=48' 89D' 7.205' 38C4"406** .' <86' 8':50=8A.479' 8D7:.0D' 86' 49F05.79' 7;605?06' ;@' 49=46479' .7':50?09.' 375B05@' ;@' 620<49B'.20' 4964D0' 73'.20' C0.8"* T' A. U' 8DD6' .246' 6=409.434=' 9AC46C8.46.'.27AB2" =2A5"462' <54.05' T'.20' 7"D' 375B056' 8"67' 4C4.8.0D'.246' 89D' ' 28?0' 8' 60558.0D' =796A"85' =749' 73' <24=2'.20' 49=464796' "4F0'.20' 506.' 850':"8.0D' <4.2' 64"?05' 7?05'=7::05*U 1 57C' 8';5403':8668B0' 49' 8=4.A6' M,* * , ' ' 4 % 4.' <7A"D' 600C'.28.'.20' &05C896' 28D' 8':85.48"4.@' 375'.246' 0"866' 73' #7C89' C790@ 1 T' # ' +) ' ' ' ' ' ') 0 21 20') ' =7496' 73'.20' @5489' F49B6' M6A=2' 86'.20' F % 8"67' 0I24;4.'.20' 68C0':0=A"4854.@' ;A.'.246':57;8;"@' <86' D790'.7'.20C' 86' 89' 7598C09.8** 308.A50' 89D' .20' C0.8** <86' =86.' 49'.28.' 628:0';03750'.20@' <050' 6.5A=F* ! F ' 8' B85"89D' 75' <508.2' 73' "08?06' 75' 3"7<056' 8' =28:"0.* 1 00' ' ' 89D' ' * 1' 009' 49'.20'.8"796' 75'.20';08F' 73' 89' 08B"0' M600' 0 %:' 89D' 49'.;0' 289D6' 73' 4=.75@' M600' % # * 1 00' ' & ! ' * ' 79' =7496' 73' ABA6.A6' .7';0' 37A9D' 8C79B6.'.2760' 73

H # *

C89@' #7C89' 38C4"406' ' 8"67' 79' C0D8"6' 73' 8"4#A"8' "8AD4A6 ' &8";8 ' 06:86489*

' 89' ";89' 38C4"@ ' .589630550D' .7' #7C0 ' 83.05' .20' D06.5A0.479' 73' ";8 ' ;@' F49B' A A6 ' 89D' 0"0=.0D' 49.7' .20' :8.54=489' 75D05 E 8==75D49B'.7' 4?@'89D' 479@6498 73' 8"4=859866A6#' .' ;0=8C0' D4?4D0D' 49.7' C89@' ;589=206 ' 9790' 73' <2760' 98C06 ' 27<0?05 ' 850' 50=75D0D' 79' =7496 0I=0:.' ' ' + ' ' ' 89D'6 5 ' 20' .<7' "86.' <050' :"0;0489*

1 ? ' =749' 73' .20' F ' 38C4"@' MC76.' 5850' 49' B7"D ' .27AB2' =7CC79' 49' 64"?05 M 0I24;4.6' 79' 790' 64D0' .20' 208D' 89D' 98C0' 73' o ' 89D' 79' .20' 7.205' .20' 208D' 89D' 98C0' 73' $* ' 50G C85F6' 79' <24=2' D09854A6' <4 ;0' 37A9D' A9D05' .20' 208D' 73' - 1 00'

' +$ 1 75' D09854' 496=54;0D' 467' " #! %*1 00' +

20' 37 7<49B' 64"?05 =749 ' ;0"79B49B' .7' .20' F ' 38C4"@ ' 46' 73' 246.754=8# 49.0506./1 ' "8A508.0D' 30C 0' 208D# 7' "0B09D*1 6 ' jl# ' # M79' 7C0' 7.2056'#3 ' " A <7' =8:.4?06' 8.' .20' 377.' 73' 8' .57:2@*

20' 8;7?0' 850' .20' 98C06' 89D' .4."06' 73' .28.' # KA94A6' 5A.A6 ' <27' 6.8;;0D' .0685# .' 46' .2A6' .28.' ;0' 46' D064:498.=D' 79' D098544 ' 89D' .20' 38=.' 46' 07A3"5C0D' ;@' <54.056' 73' 246' .4C0'4 8C79B' 7.2056' ;@' 4=057 ' <27 ' 8.' .20' 09D' 73' .20' 09.2' 24"4:4=' 50:08.0D"@' =8""6 24C' /' ' + ' * ' + ' (209=0' M8DD6 =F20"N!4.' ;0=7C06' =05.849' .28.' 20' <86' 8D7:.0D' ;@' %# 05?4"4A6' 60:47 ' <27' <86' 246' A9="0' 79' .20' 64D0' 73' 246' C7.205' 05?4"48# A.' 20' D4D' 97.' 83.05' .20' A6A8# =A6.7C' 73' A649B' .20' 38C4"@' 98C0 ' =8"" 24C60"3' - :' :0528:6' ;0=8A60' 8.' .28.' :0547D' .2050' <86' 8"508D@' 8' 5866A6' KA9489A6 ' ;A.' 20' .A596' .20' 6A598C0' 73' 246' 8D7:.479' ' + ' 49.7' .20' 98C0 ' 50.84949B' 246' =7B97C09' 73' 5A.A6*

(4.2' 506:0=.' .7' .20' 496=54:.479' 73' 057h75' 79' .20' 8;7?0' D09854A6' 89D' 7.2056' 73' 5A.A6 ' 479' 8664B96' .20' .4C0' 89D' .20' 508679' 73' 5A.A6Lб 8==0:.49B' .246' .4."0 ' 98C0"@ ' .28.' 20' <09.' 79' 89' 0I:0D4.479' 8B8496.' .20' * ' 73' 258=0 ' 86' <0"# <4.2' 8' ?40<' .7' :A9462' .20' 276.4"4.406' 73' .28.' 68?8B0' .54;0 ' 86' 49*75D05' .7' B849' 375' 24C60"3' .20' 98C0' 89D' D4B94.@' 73' + ' M600' .20' <75DN ' <2050<4.2' 20' C4B2.' .20' C750' 0864"@' =855@' 79' <85' 8B8496.' =0685 ' 89D' 8B8496.' 9.79@' 89D' C8F0' 89' 09D' 73' ;7.2# ==75D49B' .7' "A.85=2 ' 5A.A6 ' .7B0.205' <4.2' 8664A6 ' <86' :57="84C0D' + ' ;@' .20' 85C@' 8.' 8AD46*

9' 8' D09854A6' 73' 94.A6 ' ;08549B' 79' 4.6' 7;?0560' 8' 30C8"0' 208D' 89D' .20' <75D' 0!$ * ' .20' 50?0560' 46' =285B0D' <4.2' .20' 496=54:.479' # ' # # *' 89D' .20' .@:0' 46' 8' "@50' ;0.<009' 8' "8A50"# ;589=2' 89D' 8' 3

20' <75D' #* " ' 46' 8334I0D' M496.08D' 73' + ' 79' .246' =749' 89D' 7.2056' 73' # 5A.A6 ' ;0=8A60' 20' B7?0590D' .20' :57?49=0' 73' 8=0D7948' <4.2' :57=796A"85'8A.2754.@*

' 1 7990=.0D' <4.2' .246' 6A598C0' .2050' 850*.<7' =7496 ' 790' C76.' 5850' 49' B7"D ' .20' 7.205' ?05@' 5850' 49' 64"?05 ' ;7.2' 496=54;0D' " " ' 1 ' .20' B7"D' 286' 79' .20' 7;?0560' 8' .57:2@' ;0.<009' .<7' :57<6 ' .20' 64"?05 ;0856' .20' "8A508.0D' 208D' 73' 0:.A90# 9}40' 50?0560' 73' .20' 375C05' 46' # ' # 89D' .20' ;850' 208D' 73' 85=A6

*

5A.A6# 20' 50?0560' 73' .20' "8..05' 0I24;4.6' 4=.75@' C85=249B ' <4.2' 8' B85"89D' 89D' :8"C' ;589=2 ' 89D' .20' 68C0' 496=54:.479' $* ' ! # "A.8.=;' 6.8.06' .28.' .20' .<7' ;57.2056' F ' ' <050' 8C79B6.' .20' 866866496' 73' 47685# 3' .2060' # 86=8 ' <27C' 479' 86605.6' .7' 28?0' ;009' 8' .54;A90' 73' .20' :07:"0 ' 6.5A=F' .20' 3456.' ;"7<? 8.' .20' 4=.8.75# 3.05<85D6 ' <209' <85' <86' D0="850D' 8B8496.' .20' CA5D05056 ' 20' 8667=48.0D' 24C60"3' <4.2' 5A.A6 ' 8C79B6.' <2760' 35409D6' 48' .28.' <85' # 86=8' 46' ="8660D' ;@' "A.85=2 ' 89D' <0' 600' .2045' 98C06' A94.0D' 79' .20' 8;7?0' D06=54;0D' =7496# : :4A' 6.8.06' .28.' 84A6' <86' .20' :50E' 9:C09' 73' .20' 7.205' 86=8# A.' .2050' 46' 8' :57"4I' 89D' .0D47A6' 0I8C498.479' 49' 8?05=8C:' 86' .7' <20.205' 86=8' 89D' 79BA6' ;0' 6A598C06' " % 73' D4330509.' 38C4"406' 89D' <20.205' 79BA6' ;7 .20' 73' 86=8 ' 75' 7.205<460# 1 20' .@:76' 73' .2060' .<7' D09854' 8""AD0' .7' 67C0' C854.4C0' ?4=.75@' <24=2' 4.' <86' 46' A9=05.849* 1 ' % ' * ' ?7"# ?# :# H *

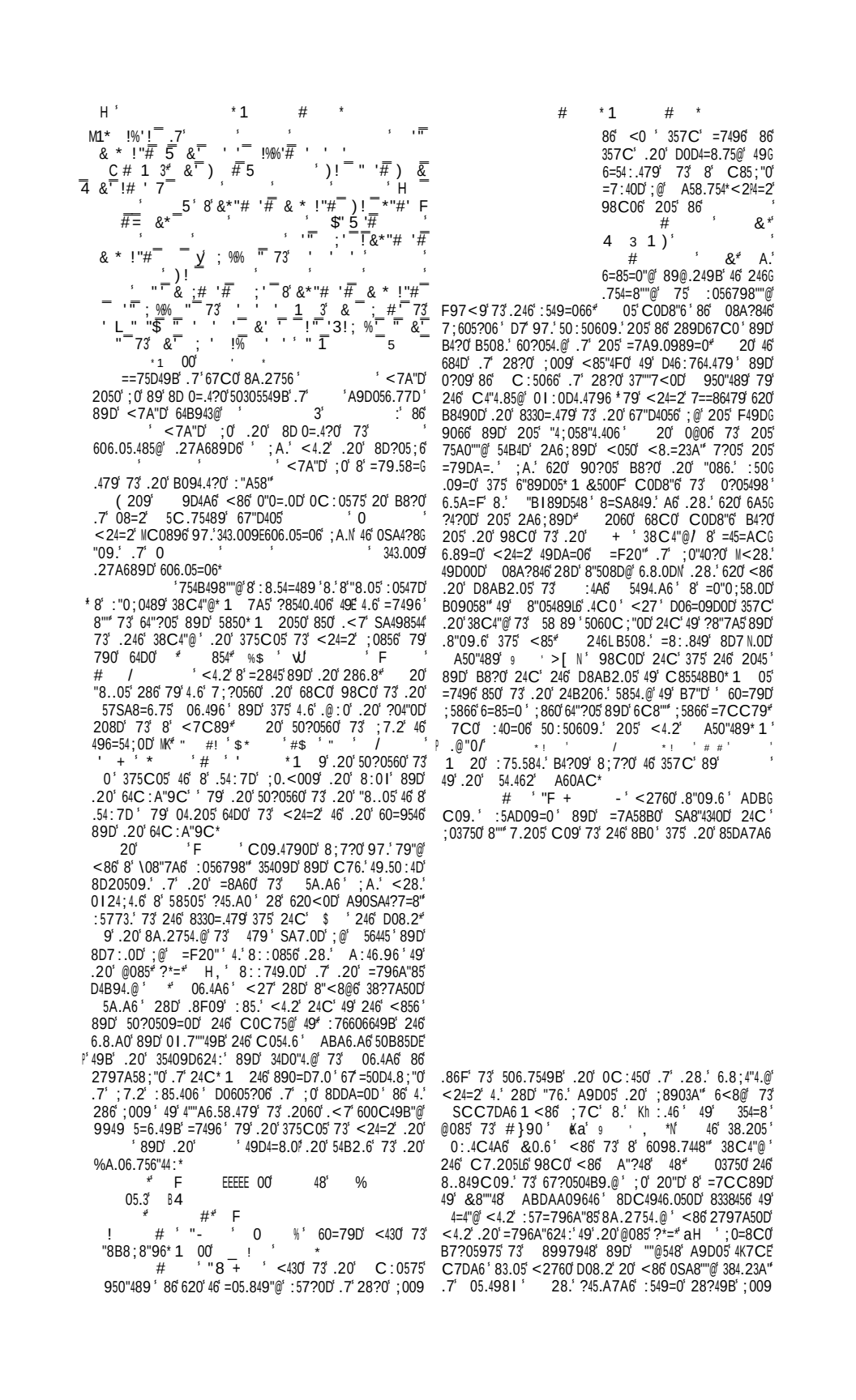
* 1 ' =7CC79' 64"?05 =749' 0I24;4.6' .20' =7B97C09' 73' .20' F 38C4"@' ?4*' * 00!' <4.2' .20' ;A6.' 73' 4905?8# 9' .20' 50?0560' 64D0' 46' :# # 4 4# # :# 89D' 4=.75@' B8""7:49B' 49' 8' ;4B8*

05?4"4A6' #A""A6' 46' F97<9' 86' .28.' :"0;0489' .54;A90' <2760' 8B5854B9' "8<' 4=057 ' <209' =796A" ' 6.7A."@' 7::760D' 49' 89' 758.479' <24=2' K6' 6.4"" 0I.89.# 20' 38.205' 73' .20' .54;A90' 8"67' 98C0D' # 05?4"4A6' #A""A6 ' <86' .20' C89' 73' <27C' "49@' 68@6' .28.' 20' 3456.' 8.' 3086.6' 605?0D' A:' 8' <4"D' ;785' <27"0' .7' .8;"0# .' 46' A9=05.849' .7' <24=2' 73' .20' .<7' .246' D09854A6' ;0"79B6*

C79B6.' 7.205' A9=05.849' =7496' 73' .20' F 3 =F20"# .8F06' 8' =7:47A6"@' 49.0""4B09.' 97.4=0' 73' 8' D09854A6' 73' 97' 5854.@' ;A.' 90?05.20"066' 73' 67C0' 246.754=8"' 49. 6. ' 357C' .20' "0B09D' 89D' .@:0' 73' 4.6' 7;?0560' 8""A64?0' .7' .20' :A;"4=' 620<6' =0"0;58.0D' 8.' #7C0' A9D05' .20' 98C0' 73' ! 1 00' # # # # ! 7' <24=2' # 05?4"4A6' "409.0989.' " , ' - 73' 5A.A6' 89D' 8664A6' .20' 37""7<49B' =7496 ;0"79B' 286' ;009' C8..05' 73' C9=2' =79.57?056@' 24.205.7' <4.2' 97' ;09034.' 506A".49B# 0' 600C6' .7' 28?0' ;009' .20' 68C0' 49D4?4DA8# <27C' 4=057' =8""6' 8' .54;A90' 73' .20' :07:"0' 89D' .7' 28?0' 8558@0D' 24C6 60"3' 79' .20' 64D0' 73' "4;05.@' ;A.' .20' 6A598C0' D706' 97.' 8:0 # 20' 375C05' 73' .20' .<7' D09854' M?05@' 5850' 49' B7"D\' :50609.6' .@:06' .28.' 8B500' <4.2' .20' .4C06' 73' 5A.A6' 89D' 73' 8664A6' ?4*' =# ' @7A9B' 30C8"0' 208D' "8A508.0D* 1 ' * ' 4 4?6# # 20' 8:"A6.5AC*

20' "8..05' D09854A6' ;0856' .20' 68C0' 208D' 79' 4.6' 7;?0560' 89D' 79' .20' 50?0560' 8:0856' .20' 496=54:.479' $!O! ' 9 A o ' <4.2' 8' =58;' 3462' B54:49B' 89' ' 49' 4.6' ="8<6 ' ;0"7<' 4.' 46' .20' 3"7<05' 73' .20' :7C0B5898.0' ") % 89D' 8' D48D0C' EA9;7A9D* 1 9' .246' 094BC8.4=8# 50?0560' ;7.2' 84""89.' 89D' 8?05=8C:' 28?0' 7330500' =7CC09.6' 8;7A9D9B' C750' 49' .20' <79D57A6' ;A.' :85.8F49B' CA=2' "066' 73' .20' :57;8;"0' .289' .20' 37 7<49B' 50C8 6' 73' =F20"/1

T' 6' .20' 8;7?0' .@:0' 46' :"849"@' 8 0B754=8"' .20' ?05@' ' 73' .20' 89=409.6' <4 ' :85D79' A6' 43' <0' 67C0.4C06' D0="490' 8..0C:.49B' .7' 0I:"849' .20' 54DD"06' A9D05' <24=2' .20@' 73.09' ?0 ' .20' .5A.2*



;860"@ 6"849 ' .20' "0B4796 73 .20' 8;7?0E98C0D' :57?49=06 50?7".0D' 8B84:6.' .20' ?098"' 0"0=.479 73' 4D4A6' KA"489A98 ' 89D' :57=''84C0D' 0?0C6 C:0575 8.' 859A9.9C' M97<' ".09;A5B' 79' .20' 89A;0N' 20' 0330=.49B' 8E58:4D' C85=2' AQN79 #7C0' =8A60D' 24C60"3'.7' ;0'8=F97<"0DB0D';@.20'6098.0' <27' :A.' KA"489A6' .7' D08.2' 49' .20'@085' 73' .20' =4.@' a ' 9 ' ,aH*N 8?49B' 3456.' D46B58=0D' .20' 5800 .75489' BA85D6' 375' .2045';8609066' 49' 60""49B' .20' 0C:450' 20' 09.050D' #;C0' <4.2' 8' C8B9434=09.' 50.49A0' 8C4D6.' .20' 38?7A549B'8==''8C8.4796' 73' .20' :07:"0' 79' <24=2' 7==86479' 20' 8DD0D' .7' 246' 7.205' 98C06' .28.' 73' 05.4984* 209':57=00D49B'??4.2E 7A.' D0"8@' .7' .20' 86.' 20' D0308.0D' 06=0994A6' 4B05' *50.A5949B' <4.2' 0SA8*' =0"054.@' .7' .20' 06.' 20' ?89SA4620D' ";49A6' 8.' @796' 89D' .2A6';@' .20' 6A==0664?0' 38"" 89D' D08.2' 73' 246' 54?8"6' 20' 50C8490D' 67"0' 89D' A9D46:A.0D' C86.05' 73' C4""4796' 9 ' ,a N* 7' "066' ?4=.7547A6' 7?05' 37504B9' 3706' .289' 6A==0663A*' B8=="

8DA".058.0D# 7496' 73' .28.' C0.8" 850' C09.4790D' 49' .20' 37""7<49B'504B96 ' 86' 385' 86' .28.' 73' &8""409A6' 49="A64?0 ' 86' ; 049B' 73' 64"?05 ' 8".27AB2' .20' 6.89D85D' 73' .20C' <86' 6A==0664?0"@' D0 ; 860D.' 3267CA=2' 86' .7' 50AD05' .20C' 97' "79B05' 89@.249B' ; A.') 8 ' 73' .20' "7<06.' 8""7@*

20' =7496' 73' .246' C : 0575' 850' WI=00D49B"@' 9AC057A6 ' 89D' : 50609.' 8' B508.' ?8540.@' 73' 50?05606 ' C89@'73' <24=2' 850' 246.754=8""@' 49.0506.G 49B# 20' D098544' 850' : 85.4=A"85"@' =7CC79 ' ; A.' 49="AD0' C89@' 5850' 50?05606 ' 89D' 8' "0B47985@' 605406' 73' 8.' "086.' 37A5.009' "0B4796# 20' B7"D' =7496' 850' 67C0<28.' 5850 ' <4.2' 60?058"' 5850'50?'t5606 '3 7C' <24=2' .28.' 73' .20' 45=A6' 8I4CA6' M600' .20' <75DN' 46' 2050' B4?09# %A49854' 49' B7"D' 850' 6.4""# 58505# 4"?05' 89D' ; 5866' C0D8"G "4796' 850# 5850# 20' "85B0' ; 5866' 89D' .20' 60=79D' 8"67' C8@' ;0' .05C0D' 6=85=0 ' .20' .245D' ; 5866' 5850* 1 75' 8' "46.' 73' .20' 58505' =7496' 73' 0?05A6 ' ?600' F05C89L6' T' 06=54 : .4?0' 8.8"7B.40*U

' # & # *' * 1 ' @7A.23A"# ; A6.' <4.2' 58D48.0D' 208D' 89D' 54B2.' 289D' A : "43.0D* 1 20 7 ; ?0560' 0 I 24 ; 4.6' .20' "0B09D' 73' # *' *' *' *' 89D' .20' : 75.584.' 73' &0.8' 86' 60685* 1 =F20" B4?06' .246' 357C' 8' B7"D' C0D8"# 49' .20' 4C : 0548"# =8 ; 490.' 8.' 40998' <4.2' .20' 37""7<49B' 50C85F6' 79' .20' 649BA"854.@' 73' .20' 50?0560' .@ : 0 1

&0.8*46' 2050' 0I24 ; 4.0D' 49' .20' BA460' 73' .20' 99 ' 86' 8 : : 08"6' 357C' .20' 58D48.2D' 208D# 89D' 0"0?8.0D' 54B2.' 289D ' <2402 ' 07496' =7CC79"@' .08=2' 96 ' 850' : 0=A"485' .7' .20' &7D' 73' 8@' 75 ' <28.' 46' .20' 68C0' .249B ' .7' .20' 86.' "1 %' <24=2' 46' D0"4908.0D' <4.2' .2760' 8..54 ; A.06' 86' <0""# 86' .20' 99# .' <86' 8 ; 7A.' .246' : 0547D ' *=*# a[' 9 ' > N ' .28.' 0?0576' 0330=.0D' 246' 5409.8"# =79SA06.6 ' <209=0' 20' D054?0D' .20' .4."0' 73' 75' 9?49=4 ; "0 ' 09B58?0D' 79' .246' C0D8"# 246' <86' .20' 508679' <2@' &0.8' 46' 2050' D0 : 4=.A50D' A9D05' .20' 34BA50' 89D' 9698" 8..4.AD0' 73' F 375 ' 49D00D' 3574 I' .28.' 679# 0?0586' 50=04?0D' 84D' .257AB279.' 246' =8C : 84B96' 49' .20' 86.*

' ' &# *' F ' $' ' ' F ' # 1 246' "0B09D' E8 : : 0856' 79' .20' 50?0C ' 73' =7496' M49' 8""# .2500' C0.8"6N' 73' 9.7G 949A6' M 858=8""8N ' .20' .@ : 0' 73' <24=2' : 50609.6' .20' 34BA50' 73' .28.' C : 0575' 6.89D49B' 49' .20' D5066' 73' <85 ' 27"D49B' 49' 246' 54B2.' 289D' 8' 34BA50' 73' 4=.75@' :"8=0D' 79' 8' B"7 ; 0 ' 8' 6 : 085' 49' 246' "03.' 289D ' 89D' 8' =8 : .4?0' 8.' ; 46' 300.*

246' C0D8"' <24=2' 46' 5850' 49' B7"D' 89D' 64"?05' <86' 6.5A=F' 49' .20' @085' ?*=*# a[, ' 9 ' , a N ' <209' 858=8""8' <86' =8""0D' ' ;@' 246' 38.205' 89D' 779' 83.05' 246' ; 57.205' &0.8' 28D' ; 009' D0="850D' 6685# .' <86' 49' .28.' @085' <209' 0?0586 ' 8.' .20' 0I : 76.A"8.479' 73' 35409D6 ' 28?49B' 5D4ASA4620D' .20' 866AC0D' 98C0' 73' 05.4A8I ' .77F' .20' 6A598C0' 73' #

' "! ' %' 60=79D' 73' .20' 98C0 ' 60685 ' 89D' 83.05<85D6' ABA6.A6# 759' 73' 89' 2AC ; "0' 38C4"@' 49' ""@548 ' 20' <86' D46G .49BA4620D' =2403"@' 43' 97.' 67"0"@' 375' 246' ?4=06*

*

A.' .20' ?05@' : 05?05609066' 73' .20' C89' <86' .20

=8A60' 73' 246' 8D?89=0C09.# 75 ' 49' .20' @085' ?*=*' , [' M ' *' H [N ' &8"05496 ' <27C' 246' : 573'4B8=@' 89D' 6A ; 605?409=0' 8"4F0' 6A4.0D ' 58460D' 24C' .7' .20' D4B94.@' 73' 0685 ' 89D' 6779' 83.05 ' 79' .20' .20' D08.2' 73' 796.89.496' 2"75A6 ' 50G 3A60D' .7' 50=7B9460' 796.89.490 ' 679' 73' .28.' 0C : 0575' M<2760' 6A : 05475' C054.' 20' D508D0DN ' 49' 89@' 7.205' SA8"4.@' .289' .28.' 73' 0685 ' <24"6.' 20' : 056A8D0D' 8I4C489A6' 05= 4"4A6' .7' 49?06.' 20' D0 ; 8A=20D' 0?05A6' <4.2' .20' .4."0' 73' ABA6.A6 ' 89D' 49' .20' : 85.4.479' 73' : 57?49=06 ' .8"@ ' 354=8 ' 89D' : : 05' 8997948 ' <050' 8""7..0D' .7' 246' 62850# A.' <209 ' ; @' &8"0'54A6L6' 75D056 ' 0?05A6' C85=20D' 8.' .20' 208D' 73' 8' 9AC057A6' 85C@' 357C' 4"89' A : 79' #7C0 ' 375' .20' : A5 : 760' 73' D0.2579498' 8109.4A6 ' <27' 28D' .2050' 866AC0D' .20' : A5 : "0 ' 8I4C489A6 ' 506AC49B' 246' 50=09."@' 8 ; D4=8.0D' .4."06 ' =8C0' .7' .20' 86646.89=0' 73' 246' 49.5A64?0' 6D2 ' 89D' ; 0640B0D' 0?05A6' 49' #8@0998# 2050 ' 28?49B' 6A5509D050D' 24C60"3' .7' 8I4C482 ' 79' .20' : 57C460' 73' ; 049B' 8""7<0D' . ; 0' A9C7"06.0D' 09 7@C09.' 73' 246' 4C : 0548"# D4B94.@' .246' A928 : : @' : 549=0' <86' : 0534D47A6"@' 609.' =8 : .4?0' .7' #7C0 ' 49' .20' 904B2 ; 7A5277D' 73' <24=2' 20' <86' : A.' .7' D08.2 ' : 54"' ' 83.05' 28?49B' ; 7590 ' <4.27A.' B"75@' 89D' <4.27A.' D0605.' .20' 98C0' 73' .0685' 375' 343.009' C79.26 ' 89D' .20' 6A : 50C0' .4."0' 73' C : 0575' 8 ; 7A.' 9490' C79.26# 0' "03.' 8' 679' 98C0D' 0?05489A6 ' <27C' 4=494A6' =8A60D' .7' ; 0' 6"849' 64I' C79.26' 83.05<85D6# 46' ' =7496' 89D' 6C8""# ' C0D8""4796' 850' 0I.50C0"@' 5850# =F20" D7A ; .6' <20.205' 89@' 64"?05' 73' .20' 75D4985@' 64\0' 0146.# 46') ' C0D8""4796' 89D' 6C8"" ; 5866' 850' ?05@' 5850 ' 89D' 246' 60=79D' ; 5866' 850' 6=85=0# 9' .2060' 20' 46' 6.@"0D' $ ' $ ' " $ [75' *' 4# *' *' *' *' *

' ") % ' .20' .245D' 0C : 0575' <27' ; 750' .28.' 98C0 ' 6A==06675' 73' 8 7548996 ' <86' 8' 98.4?0' 73' A=8948# 246' : 289.7C' 73'8'67?0504B9 ' 096"8?0D' .7' .20' <4""# 73' #4=4C05 ' <27'49DA=0D' .20' 67"D4056' .7' B4?0' 24C' .20' .4."0' 73' ABA6.A6 ' 49' .20' =4.@' 73' #8?0998' 9 ' ,N ' : 8660D' 246' D8@6' =850"066"@'89D'494S..4.7A6"@' 8.' #7C0 ' 89D' D40D' .2050' 49' .20' : 8"8=0' 73' .20' 596856 ' ' [' 83.05' 8 ; 7A.' .2500' @0856' 89D' 04B2.' C79.26L 7==A : 8.479' 73' 8' D0B58D0D' .25790 ' DA549B' @?24=2' .20' ; 85G ; 854896' A9D05' &096054=' 49?8D0D' .20' 0C : 450' 79' 8""# 64D06 ' 6=85=0"@' "08?49B' 8' 649B"0' : 57?49=0' 0I G =0 : .' &8A" 49' .20' : 766066479' 73' .20' #7C896# 0

.28B4444896' <;7 =79SA050D' 89D' 7==A:40D' 8' ' :75.479L73' 4=4"@' 6.5A=F' C790@' .2050' <24=2' 46 ?=796:4=A7A6' 375' 4.6' 0"0B89=0# 2060' :40=06' <4.2' A94=' =2858=.056' 850' =7964D050D' .7' 28?0' ;009' =7490D' 8.' # M 8"05C7 ' .20' =09.58" 608.' 73' 85.28B49489' :7<05' 49' .20' 46"89D# 0' * 20' 904B2;7A5277D' 73' 8B98E&560=48' 89D' .20' 50"8.4796' 0I46.49B' ;0.<009' .20' C790.85@' 6@6.0C6' 73' .2760' .<7 =7A9.5406' <85589.' .20' ;0"403' .28.' 4=4"@' <86' 6A; 0=.0D' ;@' .20' 7C896' .7' .20' 68C0' 50BA"8.4796' 86' .2760' .20@' 4C:760D' A:79' .8"@' 89D' .28.' .20' 49D0:09D09.' 54B2.6' 73' =7498B0' =0860D' .7' ;0' 0I05=460D' 49' ;7.2' .2760' =7A9.5406' .7<85D6' .20' 68C0' 0:7=28# 7C0' =4.406' 73' 4=4"@' 27<0?05' 466A0D' C:0548"5&500F' :40=06' <24=2' <86' 97.' .20' =860' 49' .8"@' 2A.' .2760' :40=06' <050' 6.5A=F' 79"@' A9D05' ABA6.A6' 89D' 4;054A6# A;60S209."@#.2050' 46' 508679' .7' ;0"40?0' 73' =06' <050' 06.8;"4620D' 49' .28.' 46"89D' 375' C49.49B' =7496' 73' 7C89' D40*

9' .20' :85.4.479' 73' .0554.75@' <24=2' .77F :"8=0' 3.05' .20' D08.2' 73' 0I.A6' 7C:0@' <27' 8.' 790' .4C0' 20"D' D06:7.4=' 6<8@7?05' .20' 46"89D' <24"6.E' 7549.2' 89D# =2848' <050' =0D0D' .7' # 9.79@' F 3' <4.2' CED4948' <86' 8664B90D' .7' =.8?48996' M83.05<85D6' ABA6.A6N# @' .28.' 0C:0575' .20# 4=4"4896' <050' 49="AD0D' 49' .20' 9AC;05' 73' 7C89' =4.4\096' 89D' 8975CA6' M 8"05C7N' C8D0' 8' 7C89' =7"79@' <4.2' .20' :7<05' 73' =7494B' C790@' <24=2' :54?4"0B06' <050' =79.49A0D' .7' .28.' =4.@' A9D05' 4;054A6# 20' <27"0' 46"89D' ;0=8C0' 8' :560.7548A' 75' :57=796A"85' :57?49=0# 09=0' 4.' 46' .28.' 67' C89@' =7496' ;7.2' D0985 4' 89D' ;586.6' C790@' 850' 0I.89.' 79' <24=2' .20' 50C0C;589=0' 73' .2760' 7C89' :57=796A"6' 89D' :584.756' <27' <050' 609.' 49.7' 4=4"@' 8508' :50605?0D# 57C' 38C4"@' C0D8"6' <0' 8"67' "0859' .28.' 4=4"@' 50=04?0D' .<7 %AB36.756' 357C' 7590* F 3' 46' 50:50609.0D' 86' <0"# 79' 8.49' 86' 79' &500F' =7496' ;@' .20' 0 ' =7C:760D' 73' .2500' 2AC89' "0B6' * 6:508D' 7A.' 357C' 790' 897.205' 49' 8' .5489BA"85' 375C' 49' 8"" AG 6479' .7' .20' .2500E64D0D' 628:0' 73' .20' 46"89D' 75' .7' 4.6' .2500' :57C79.75406# 9' 67C0' 8"67' 73' .2060' C0D8"6N' 49' .20' =09.50' ;0G .<009' .20' .2500' A94.49B' .24B26' 8'30C8"0' 208D' M98C0"@' ;3' 0DA68N' 46' 6009# 00' # 1 20' ' 89D' 8' 0DA68L6' 208D' 49' .20' =09.50' 89D' 67C0.4C06' <4.2' =759E0856' 7490D' .2050.7' 86' A:79' .20' 8;7?0' D09854A6' 73' .20' 7590"48' 38C4"@' 8"67' 8' C854.4C0' .57:2@' 49' 8' .0C:"0' <2760' :0D4C09.'!0I24;4.6' .20' 68C0' 6@C;7" 73' 4=4"@' 8::085' 79' =05.849' C0D8"6' 73' ABA6.A6' 89D' 50305' 68@6' &:89204C' .7' .20' D0308.' 73' 0I.4A6' 7C:04A6' M6275."@' 83.05' .28.' 73' 5A.A6' 89D' 8664A6N' 49' .20' 6.584B2.6' 73' 4=4"@' <2050'.246' 679' 73' .20' &508.' 7C:0@' 28D' ;0=7C0' 8' =8:.849' 73' :458.06' 86' "75A6' 6.8.06/' 97.' .7' 68@' .28.' ABA6.A6' 7::50660D' .246' @7A9B' C89' A9D05' .20' 8::08589=0' 73' 08=0' 86' 67C0' <460' C09' ?40<' 4.' 49' 8=4.A6' 89D' C7507?05' .28.' B54::8' 28D' .20' ;0..05' 62850' 49' 8"" .20' 6A=G =06606' 73' .28.' <85' 73' <24=2' 4=4"@' <86' .20' .208.50 1 9' 8' D09854A6' !4' ' (' C790.8"# 444*?4 # .7' ABA6.A6' <0' 600' .20' .2500' "0B6' <4.2' .20' 208D' 73' 0DA68' <24=2' 6@C;7"460' 4=4"@' <24=2' =749' 20' =8A60D' .7' 20' 6.5A=F' 49' C0C75@' 73' 246' 89=06.756' .20' 844' 89D' 8954' <27' <050' :57=796A"6' 73' .28.' :57?49=0* *' F 1 246' 8;;50?48.0D' <75D 8::0856' 79' .20' 0I05BA0' 73' 8' D09854A6' 6.5A=F' ;@' .20' 8;7?0EC09.4709D' C49.EC86.05' .7' 50?4?0' .20' C0C75@' 73' 246' 89=06.75' 894A6' SA4"498' "75A6' <27' 86' :57=796A"' 73' 4=4"@' 49' .20' @085' ?*=*' [' :A.' 89' 09D' .7' .20' 605?4"0E<85# 7A9D' .20' 50?0560' 73' .246' 246.754=8"" @' 49.0506.49B'=749' 46' .20' 496=54:.479' 386' % 58' ;;' $ ' {{' + ' E 20' .@:0' 46' 8*67"D405' 27"D49B' 8' 6240"D' 79' 246' 54B2.' 85C' 89D' "77F49B' ;8=F' 20' "43.6' A:' <4.2' 246' 54B2.' 8' 30C8"0' 34BA50' <27' <4.2' 8' 6240"D' 79' 205' "03.' 85C' E46' 6A9F' D7<69' 79' 205' F9006# .' 46' .2A6' 0"0B89."@' .28.' 4=4"@' <24=2' 28D' ;009' D06:74"0D' 89D' 496A".0D' ;@' .20' 3AB4.4?0' .8"489' 6"8?06' 46' 34BA50D' 99D05' .20' .584.6' 73' 8' 20":"066' 89D' 8"C76.' :576.58.0' <7C89' 58460D' 357C' D0B58D8.479' 89D' C4605@' ;@' .20' 506=A49B' 289D' 73' 8' ;58?0' <855475' <27' 79' 246' 50.A59' .7' #7C0' 83.05' .246' 605?4=0' :05375C0D' Q9 7@0D' .20' 2797A56' 73' 89' 7?8.479*1 00' 0 B096* # # # +* +* =*1 20' <75D' F ' .2A6' 8;;50?48.0D' 46' 0I24;4.0D' 79' 7.205' B7"D' 89D' 64"?05' =7496' 73' ABA6.A6' 83.05' 20' 28D' 50=7?050D' :766066479' 73' .28.' 46"89D' 79' .20' 0IE Y :A"6479' .2050357C' 73' 0I.A6' 7C:0@# 9' .20' 7;?05606' 73' .2060' C0D8"6' 850' ' ! !' % ' 89D' 246' 208D' 79' .20' 50?0560' 46' 4898' <27' <8"F49B' <4.2' 8' D7B' 8.' 205' 300.' 27"D6' 8' ;7<' 89D' 8557<*' Y 84""89.' 89D' 7.205' "08590D' 89.4SA85406' 28?0' 5030550D' .20' =7498B0' 73' .246' D09854A6' .7' .20' @085' 73' #7C0' H' M;03750' 2546.' >,N' ;0=8A60' DA549B' .28.'@085' ABA6.A6' .85540D' 49' 4=4"@' 89D' 85589B0D' 246' 8338456' .2050# 9' C89@' 64C4"85' =7496' .20' 9AC;056E' +* +* + * 89D' + ' 850' 8DD0D' .7' - # ' ' .20' 68C0' C89905' 86' 7.205' D09854' 73' ABA6.A6' 850' 496=54;0D' * ' <4.2' ?8547A6' 9AC;056' 89D' <4.2' .20' .@:0' 73' :7""7' 73' =.4AC*1 9' .2060' =45=AC6.89=06' =F20"=7CG C09.6' <4.2' 246' A6A8# 68B8=4.@' 89D' 49.0""4B09=0# 2060' .@:06' 73' .20' 4=4"489' 4898' 89D' 73' .20' =.48A' :7""7' M68@6' 20N' 850' 97.' <4.27A.' C7.4?0' 50:08.0D' .257AB2' C89@' 0S960=A.4?0' @0856' 375' M8==75D49BE.7' .20' :7:A"85' 6A:056.4.479' 73' .20' #7C896N' ABA6.A6' 7<0D' 246' B77D' 375.A90' E.7' ;7.2' .2760' D4?494.406' 98C0"@' 8.' 5.0C464AC' 75' # ' F 9085' @"86' <209' 0I.A6' 7C:0@' <86' ?89SA4620D' 89D' 8.' =.4AC' 68=50D' .7' :7""7' <2050' * 9.79@' 6A6.8490D' 246' D0=4G 64?0' D0308.*1 20' 68C0' :50E0C4909.' .08=205' 73' .20' 9AC46C8.4=' 6=409=0' 503056' .7' .20' :906.277D' " % j= #4=W# ' E' ' 4W_' 50=75D0D' 79' 8' C85;"0' ;@' A58.754' 89D' <24=2' :5406.277D' <86' 99SA06E' .4798;"@' 496.4.A.0D' ;@' 9B96.A6' <209' ;@' .20' 86646.89=0' 86' <86' ;0"40?0D' 73' .20' D4?490' ;57.205' 89D' 646.05' M :7""7' 89D' 4898N' 20' 8=240?0D' .20' ?4=.75@' 7?05' 246' 090C406*# j * # *1 9' 8' 3456.' ;5866' 73' 8D5489' <4.2' .246' "0B09D' 73' .20' 50?0560' 46' 8' A?094"0' 208D' <24=2' :50609.6' 8' 3A"" 38=0' <4.27A.' 90=F' 4.' 286' .20' 284"# D4620?0"" 0D' 89D' .20' =249' <4.27A.' 2085D*

69=2' ' =7 # ' * ' #! ' ' ' ' ; + 8' ' # ' F :' 89D' 79' .2045' 50?05606' .20' 308.A506' 73' .20' &500F' 89D' #7C89' 850' 649BA"85"@' C49B"0D' <4.2' .2760' 73' .20' @5489' 89D' 75409.8" 6A : 056.4.A.479* 20' 37""7<49B' 850' .20' .@ : 06' 37A9D' 74< =7496' 73' .246' =7"79@ ' 86' B4?09' ; @' 84""89. ' <2760' <75F' 46' 54=2' 49' ' C0D8"6' 73' 4D79 ' 89D' 97' "066' 67' 49' 0I : "898.75@' 894C8D?0564796' 79' .20' 6A ; 0=.6' ' <24=2' .20' D4330509.' .@ : 06' 50305/ 1 1 C79B' .20' 9AC057A6' 9AC46C8.4=' D0D4=8.4796' C8D0' ; @' .20' 4D7A4896' .7' .20' @5489' "8B8 ; 8"96' 89D' .7' C0C ; 056' 73' 246' 27A60 ' 850' 3456.' 89D' 60=79D' ; 5866 ' ; 08549B' .20' "0B09D' 73' # #' # #' " ' ' '# ' + 'F % ' 89D' 0I24 ; 4.49B' .20' 0334B@' 73' .2045' 38?7A54.0' B7DD066 ' 6.89D49B' <4.2' 205' 54B2.' 289D' :"800D' 79' 8 .57 : 2@ ' 89D' <4.2' 20.' "03.' 27"D49B' 8' <89D# ' 34BA50' 73' 4=.74@ ' :"8=0D' 79' 8 =7"AC9 ' 01.09D6' .7' 205' 8' =57<9 ' 89D' 8.' .20' 300.' 73' 6.85.0' 46' .20' 34BA50' 73' 4"09A6* 1 9' 897.205' 3456.' ; 5866 ' 496054 ; 0D' .7' .20' 68C0' 0C : 0575 ' .20' 68C0' D04.@' 8 : : 0856 ' 89D' .20' 68C0' ' <4.249' 8' .0C : "0' 6A : : 75.0D' ; @' 37A5' =7"AC96 ' ; A.' <4.27A.' .20' .57 : 2@# 246' .@ : 0' 8"67' 8 : : 0856' 79' =7496' 73' KA"48' 8A"8* ^ ; 0' 4D794896 ' "4F0' .2045' @5489' 904B2 ; 7A56' 89D' 54?8"6 ' : 84D' 69 : 50C0' 8D758.479' .7' 6.85.0' " ' ' & %:' 89D' .2045' =4.@' =79.8490D' 8' .0C : "0' 050=.0D' .7' 205' 2797A5# 20' B7DD066' "8@6' 205' 289D' 79' 8' .57 : 2@ ' 49' .20' 68C0' <8@' 86' <4"" ;'0' 6009' 79' .20' @5489' C790@ ' 8AD' 600C9 49B"@' 375' .20' 68C0' : A5 : 760 1 98C0"@ ' .7' : 749.' 8.' .20' ?8547A6' =7"79406' 06.8 ; "4620D' 385' 89D' <4D0' 357C' 27094=48 ' 89D' 49' <24=2' .57 : 2406' 28D' ; 009' : "8=0D' 86' .7F096' 73' =79SA06. ' 375' <24=2' 508679 ' : 0528 : 6 ' .20' 6C8"# 34BA50' 73' 4=.75@' 46' C8D0' .7' 73305' 8' =57<9' .7' 6.85.0 ' <27' 27"D6' .20' + ' 75' 8' 6=0 : .50 ' 205' 8 : : 57 : 548.0' 6@C ; 7" ' 86' SA009' 73' .20' : =0 ' o ^ 4D79 ' 433.05' 28?49B' 0I : 05409=0D' C89@' =289B06' 73' 375.A90 ' <86' 8.' "09B.2' C8D0' 8 =7"79@ ' 89D' .20' C0.57 : 7"46' 73' 27094=48 ' ; @' "8B8 ; 8"A6# 9D' ; 0 ' 28?49B' 49?06.0D' "0189D05' 0?05A6' <4.2' .20' .4."0' 89D' 589F' 73' 80685 ' 28D' .246' C0D8"# D0D408.0D' .7' 24C ' 49' =79B58.A"8.479' 73' .20' 0?09. ' 89D' 06 : 0=48""@' 49' 50C0C ; 589=0' 73' "0189D05L6 ?4=.75@' 7?05' .20' 056489' 49?8D056' 73' @548# 20' 4D794896 ' .205037 50 ' 8D7 : .0D' .20' D04340D' 2057' 86' 8 .@ : 0' 79' .2045' =7496 ' : 0528 : 6' 49' 348..05@' .7' "0189D05' 24C60"3 ' 86' 43' 20' <050' 897.205' =79G SA0575' 73' .20' 086.059' <75"D*Q ' ' ') 1 9' .20' 3456.' ; 5866' 73' "8B8 ; 8"A6 ' .20' =7"7948# : 5406.' D54?06' 246' : "7AB2E' .08C' 73' 7109 ' ; @' <2760' 64D0' 6.89D6' 8' ' 79' <24=2' 46' 496=54 ; 0D' ' ! ' # * 1 ' '# 1 9' 8' 64C4"85' 50?0560' 73' 9948' 8A6.498 ' .20' =7"7946.' 01.09D6' 246' 54B2.' 289D ' <24=2' 27"D6' 8' 6.833' 7?05 .20' 7109* ' ^ 20' ' "0B479' 28D' 4.6' 8 : : 0"8.479' 73 # =7930550D' A : 79' 4.' ; @' 0 : # 0?05A6 ' 89D' .20' C4"4.85@' 6.89D85D' 2050' 496=54 ; 0D' <4.2' 4.6' 98C0' D097.06' .28.' 7"D' 67"D4056' 357C' .28.' "0B479' <050' 609.' 86' 8' 5049375=0C09.' .7' .20' #7C89' : 7 : A"8.479' 73' .246' =7"79@* 1 .' 8 : : 0856' .28.' 49' 75D05' .7' 6A : : "@' .20' : "8=0' 73' .20' C89@' ?0.05896' <27' 28D' 38""09' 49' .20' =4?4# =79E [' .06.6' ; 0.<009' 24C' 89D' 06=09A4A8' 89D' "; 49A6 ' 89D' 8"67' .7' 34 # 246' D0.05C498.479' 73' <8B49B' <85' 8B8496.' .20' 85.24896 ' 0?05A6' 06.8 ; "4620D' ' & ' <24=2' .28.' 20' C4B2.' B4?0' .20C' 8 =2858=.05' 375' ?8"7A5 ' 86' 43' .20@' 28D' 8"508D@' B8490D' ?4=.75406' 7?05' .20' 090C@ ' 20' =8""0D' # ' A.' 28?49B' ; 57AB2.' .20' <85' .7' 8' 6A==0663A# =79="A6479 ' 20' 75D050D' . ; 0' 3456.' 89D' .245D' 73' .2060' 90<"@' 375C0D' "0B4796' .7' <49.05' 49' 067 : 7.8C48' 375' . ; 0' : 57.0=.479' 73' .28.' : 57?49=0# A ; 60SA09."@ ' 86' C89@' 73' .20' 67"D4056' 28D' =7C : "0.0D' .2045' .05C' 73' 605?4=0 ' .20@' <050' 75D050D' ; @' "8B8 ; 8"A6' .7' ; 0' 6.8.4790D' 49' .246' =7"79@' 73' 246' 7<9' 37A9D49B ' 97.' 385' 50C7.0' 357C' .20' : "8=0' 73' .2045' <49.05' SA85.056* , + ' 54D49B' 79' .20' ; 8=F' 73' 8 ; 9"" ' 27"D6' <4.2' ; 7.2' 289D6' 8' ?04" ' <24=2' 3"78.6' 8 ; 7?0' 205 208D ' 79' 8' 60=79D' ; 5866' 73' "8B8 ; 8"A6' 89D' 73' 9948' 8A6.498 ' 246' .245D' <430 ' .20' "0B09D' 73' .246' =749' 46' =' # ' + ' F ^ 84""89. ' 7 ; 605?06' .28.' .246' 0"0B89. ' 3+ ' 50G : 50609.49B' .20' 58 : 0' 73' A57 : 8' ; @' KA : 4.05' A9D05' .20' 375C' 73' 8' ; A"" ' 503056' .7' .20' 89.4SA4.@' 73' 4D79# 4C85D' " ' -) ' 44# > ,'N ?40<6' 4.' 49' .20' 68C0' "4B2. ' 49' 7 : : 764.479' .7' .20' =79 0=.A50' ?73' 67C0' <54.056 ' <27' =79.09D' .28.' .20' @7A9B' <7C89' 89D' .20' ; A"" 64C : "@' D064B98.0' .20' A94.0D' ; 08A.@' 89D' 6.509B.2' 73' .20' 4D794896 ' SA8"4.406' 375' <24=2' .20@' <050' ; @' 97' C0896' 50C85F8 ; "0* 1 20' 68C0' "08590D' 8997.8.75' AD4G =47A6"@' 8DD6' .28.' T' 4D79 ' 8.' .20' : 0547D' <209' 4.6' #7C89' 8A.2754.406' =8A60D' .2060' C0D8"6' .7' ; 0' 6.5A=F ' <86' 4928 ; 4.0D' 97.' 79"@' ; @' 27094=4896 ' ; A.' 8"67' ; @' &500F6 ' .20' "8..<' 73' <27C' 28D' 06.8 ; "4620D' .20C60"?06' .2050' 357C' "0189D05' .20' &508.L6' .4C0# 9D' .20' &500F6 ' 8D7 : .49B' 09' .2045' : 85.' .20' <75624 :' 73' 6.85.0' M.20' C76.' 89=409.' D4?494.@' 73' .20' 4D794896N ' 4C : 85.0D' 49' .2045' .A59' .7' .20' 4D794896 ' .20' <75624 :' 73' A57 : 8*U' 2A6 ' .20' 34BA50' 73' 6.85.0' 89D' 73' A57 : 8 ' <4.2' .2045' 506 : 0=.4?0' 8..54 ; A.06' 89D' 49D4=8.4796 ' <050' 8".0598.0"@' 09B58?09' 79' .20' =7"7948"E4C : 0548# =7496' 73' 4D79 ' <2760' 4928 ; G 4.89.6 ' "4F0' .20' 506.' 73' 27094=48 ' 28D' 0?09.A8""@' ; 0=7C0' =7C : 760D' 73' : 07 : "0' <27' : 84D' 8D758.479' 0SA8""@' .7' 08=2' 73' .2060' D0434=8.4796*Q , + ' F $ *1 9' 8' =749' 73' 4D79 ' 6.5A=F' A9D05' "8B8 ; 8"A6* 1 20 0C : 0575 ' 49' .20' B85 ; ' 73' 8' : 79.433 ' 6.89D6' ; 03750' 89' 8".85' <4.2' : 8.058' 49' "4B2.' 289D ' 6.85' 49' 340"D* 1 # !4!# , ' :# > H* *1 9' 8' 3456.' ; 5866' 73' "4 ; 8"98 ' 6.5A=F' 8.' 4D79 ' 8 : : 0856' .20' ' 75' ; A620# C086A50 ' 34""0D' <4.2' 0856' 73' =7C ' 89D' 8.' .20' ; 7..7C' 73' .20' =749' ' ' ' ' *

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49.57DA=0D ' 49' 4CC0D48.0' 5030509=0' .7' .20' .0C : "0' <24=2' 9B96.A8 ' 79' .20' 506.4.A.479' 73' .20' C4"4.85@'V0964B96' ; @ .20' 85.24896 ' =8A60D' .7' ; 0' ; A4".' 49' .20' 08 : 4.7"' 89D' <24=2' 20' D0D4=8.0D' .7' 856' .20' 509B05≠ M 00' V' C % 9' B58.03A"≠ C0C75@' 73' 89' 0?09.' 67' 8==0 : .8 ; "0' .7' 208"≠ .2045' <7A9D0D' 98.4798"≠ : 54D0 ' .20' 6098.0' 89D' : 07 : "0' 73' #7C0' ?7.0D' 8' ; A=F"05' 73' 2797A5' .7' .20' 0C : 0575 ' <24=2' 46' 50 : 50609.0D' <4.2' .20' 8 ; 7?0' "0B09D* & ' # 9 ≠ ≠ *1 20' 0C : 0575' 6.89D49B' 79' 8' : 0D06.8"' <4.2' 8' 6 : 085' 49' 246' "03.' 289D ' 8==0 : .6' <4.2' 246' 54B2.: 8' "0B47985@' 08B"0' <24=2' 4=.75@' : 50609.6' .7' 24C*1 9' 2' 3456.' ; 5866' 73' 06 : 86489* 0""0549' 49' B4?49B' .246 ' 357C' .20' .5086A506' 73' 246' 7<9' =8 ; 490. ' 86' 2' =749' =7964D050D' .7' ; 0' A94SA0 ' 7 ; 605?06' .28.' T .2050' 46' 97' D7A ; .' ; A.' .28.' 4.' <86' 6.5A=F' 83.05' .20' C7D0≠ 73' .2760' <24=2' ABA6.A6' =8A60D' .7' ; 0' 6.5A=F' 8.' #7C0 ' 49' 08=2' C0.8"' .7' 50=75D' .20' 38=.' 73' 246' 28?49B' 7 ; .8490D' 357C' .20' 85.24896' 8' 506.758.479' 73' .2760' C4"4.85@' 0964B4A ' <24=2' .20@' 28D' F0 : .' 86' 2' B"7547A6' C79AC09.' 73' ?4=.7540€ .20@' 28D' B8490D' 7?05' .20' #7C89' 85C406' =7CC89D0D' ; @' 586696' 89D' 85F' D : 4.79@' ' ; 9.' 246.75@' 46' 97.' 37A9D' .7' 28?0' C8D0' C09.479' 73' 8' "4F0' 0?09.' 99D05' .20' 504B9' 73' 06 : 86489≠ .' 46' 79"@ 6009' 49' K760 : 2A6' 89D' 8=4.A6 ' .28. ' <24"6.' 49' .8"@' 20' <86' =79.09D49B' 375' .20' 0C : 450' <4.2' 4.0""4A6 ' .20' 8=4896' 8..8=F0D' 8""' .20' .577 : 6' 73' 246' : 85.@ ' <27' <050' 79' .20' ; 89F6' 73' .20' 89A ; 0 ' 49' 70648 ' 89D' 4.' C8@' ; 0' 4930550D' M8DD6' 0""0549N' .28.' 28?49B' 83.05<85D6' 50DA=0D' .2060' ; 85 ; 857A6' .54 ; 06' .7' 7 ; 0D409=0 ' 20' =7CG : 0""0D' .20C' .7' B4?0' A :' .20' C4"4.85@' 0964B96' 73W' <24=2' .20@' 28D' : 7660660D' .20C60"?06 ' 2' : 85G .4=A"85' =45=AC6.89=0' <24=2' : 57 ; 8 ; "@' <86' 375G B7..09' 75' 90B"0=.0D' ; @' .20' 246.754896*U 1 = ' ?7 4' 4≠ : ≠ > * B50049B' <4.2' .20' 4""96.54796' 509=2C89' 8 ; 7?0' SA7.0D ' 67' 385' 86' 50"8.06' .7' .20' C7.4?0' 73' 06 : 86489' ; 049B' 64C4"85' .7' .28.' 73' 9B96.A6' 49' =8A649B' C0D8"6?.7' ; 0' =7490D' 86' 2' 50=75D' 73' C4"4.85@' 2797A56' 50=7?050D' 83.05' ; 049B' "76. ' .20' 0SA8""@' 4""A6.547A6' &05C89 ' <2760' % ' 46' .20' .01.' ; 77F' 73' 8"≠ &500F' 89D' 8.49' 9AC46G C8.46.6' 73' .20' : 50609.' D8@ ' B706' 79' .7' 01 : 5066' 246' 7 : 4947 9' .28.' .246' 649BA"85' =749' 503056 ' 97.' .7' .5896G 8=.4796' <4.2' .20' 8=4896' 75' 89@' 7.205' ; 85 ; 854896' 4928 ; 4.49B' .20' ; 75D056' 73' .20' 89A ; 0' ; A.' 58.205' <4.2' ; 85 ; 854896' 7=09 : @49B' .20' 50B4796' <8620D' ; @' .20' 7<05' #2490 ' 89D' <24=2' 37""7<0D' .28.' 689BA4985@' 89D' D067"8.49B' 50?7".' 58460D' M?*=≠ >H ' * ≠ N ; @' 4?4"46' .20' 8.8?489 ' 49' <24=2' .20' &05C896' C8D0' =7CC79' =8960' <4.2' 246' =7A9.5@G C09 ' 89D' <24=2' <7A"D' 28?0' ; 009' 6.4""' C750' 49 A547A6' .7' .20' #7C89' 0C : 450 ' 43' 04.205' .2050' 28D' ; 009' B508.05' =79=75D' 8C79B6.' .20' ; 85 ; 854896 ' 75' 43' 2' B09058"' 066' D46=500.' 49' : 7"4=@' 89D' 066' 60"3E : 7660660D' 8C4D6.' 6A557A9D49B' D89B056' .289' 0.4"496' 0508"46 ' 28D' =289=0D' 49' .20' 09D' .7' =7CC89D' .20' #7C896≠ 28.' DA549B' .28.' <85' C4"4.85@' 0964B96' <050' "76.' ; @' .20C' 49' ?8547A6' A9375.A98.0' ; 8.."06 ' 8=4.A6' .20' 0"7SA09.' 246G .75489' 73' .28.' 50 ; 0""479' D46.49=."@' D0="8506≠ 0' 6.8.06' .28.' 4?4"46' <09.' 375.2' .7' .20' 8668A". 09?45790D' <4.2' .20' 73' =8 : .A50D' =7275.6 ' 8B849 ' 83.05' .28.' D46B58=0' .20' "0B4796' "76.' .2045' 6.89D85D6' 8"67 ' 89D' .2060' <050' =85540D' 8 ; 7A.' 49' 50 : 578=23A"≠ 496A".' .7' .20' #7C896' ' 6 ' ++) ' 7' 9D' 86 ' 49D00D ' .20' =749' 49' SA06.479' D46.49=."@' 0I24 ; 4.6' .20' 0 ' 0 67' <0' 349D' .20' 68C0' 8A.275 ' 8=4.A6 ' 97.' D46BA4649B' .20' 628C0' 49=A550D' ; @' 246' 7<9' 98.479 ' 49' .20' =A..49B' 733' 73' .<7' "0B4796' ; @ 4?4"46 ' ; A.' 8=F97<"0DB49B' .28.' .20@' <050' =7C : 0""0D' .7' 6A5509D05* 1 =F20"' A9D05' .20' =45=AC6.89=06 ' .249F6' 4.' ?05@' "4F0"@' .28.' .2060' 0964B96' <050' 506.750D' <209' .20' B77D' 375.A90' 73' 4?4"46' 28D' 38""09' <8@ ' 89D' 20' <86' 24C60"3≠ =7C : 0""0D' .7' 6A0' 375' : 08=0 ' .20' ; 0B499498' 73' <24=2' <0' 28?0' 357C' 8=4.A6 ' ; 9.' <28.' 83.05<85D6' 28 : : 090D' ; 0.<009' .2760' .249B6' <24=2' 28?0' ; 009' 98558.0D' 89D' .28.' 506.4.A.479' 73' 0964B96' <2402' .246' 0749' : 57="84C6 ' .7B0.205' <4.2' .20' 38=.' 73' .20' 506.4.A.479' 4.60"3 ' 286' 28D' .20' C46375.A90' .7' ; 0' 7C4..0D' 49' #7C89' 246.75@≠ 2060' C0D8"6 ' .20503075 ' .08=2' 96' <28.' <0' 850' 97.' 8""7<0D' .7' "0859' 357C' <54..09' 246.75@*U ' 64C4"85' =860' 73' ' + ' 7==A550D ' 75' <86' : 50.09D0D' .7' 28?0' 7==A550D ' A9D05' 7C4.489 ' <2760' DA : "4=4.@' 89D' .508=205@' 6A334=409."@' ; 0.58@0D' .20C60"?06' 49' .20' <85' <4.2' 4?4"46≠ 20' 4C : 0548" ; 58BB85.' =8A60D' C0D8"6' 49' B7"D' 89D' 64"?05' .7' ; 0' 6.5A=F' <4.2' .20' .@ : 0' 73' 8' 8=489 ' <27 ' F900"49B' 49' .20' 8..4.AD0' 73' 8' 6A : : "489. ' : 50609.6' 8' C4"4.85@' 0964B9* 1 0""0549' 79' .246' : 749.' SA7.06' 479 ' <27' 50"8.06' .28.' .20' D0B0906 58.0' 679' 73' 06 : 86489 ' 89D' A9<75.2@' 6A=="06675' 73' 4.A6 ' T 50=04?0D' ; 8=F' 85C6' 899' : 8..4?06' 357C' 0=t ; 8"76 ' F49B' 73' .20' 8=4896 ' 73' <27C' 20' 28D' : A5=2860D' : 08=0' 8.' .20' : 54=0' 73' B508.' 6AC6' 73' C790@ ' 89D' .28.' 20' <86' 67' ?849' 73' 4.' 86' .7' =8960' 24C60"3≠ .7' 20' D0=500D' 8' .54A C : 2' ; @' .20' 6098.0 ' 86' 43' 20' 28D' B8490D' 67C0' 64B98"≠ ?4=.75@ ' .20' 68C0' 89=409.' <54.05' 8"67' 6.8.06' .28.' 7C4G .489' ; 8D' 50SA450D' 8"≠ .20' #7C89' : 54679056' 89D' 85C6' 49' .20' : 766066479' 73' .20' 8=4896' .7' ; 0' D0"4?050D' A :' .7' 24C ' ; A. ' 479' 8DD6 ' .28.' .20@' F0 : .' C89@' 73' .20C' 49' .2045' =86."06 ' <2050' 58 89' 6A ; 60SA09."@' 3799D' .20C*U & ' # *1 246' 496=54 : .479 ' <4.2' .20' 8DD4.479' 73' F V' # + ' %A0' 6 ' 8 : : 0856' 79' B7"D' 89D' 64"?05' =7496' 73' ABA6.A6 ' 67C0' <4.2' .20' .@ : 0' 73' 8' ?7.4?0' 6240"D' 89D' "≠ ?≠ M "4 : 0A6' 7.4?A6N' 09B58?0D' 79' 4. ' ; 0.<009' 8' C4"4.85@' 0964B9' 89D' 8' "0B47985@' 08B"0' 7.2056' <4.2' 8' .54AC : 28≠ 85=2 ' 8""≠ 605?49B' .7' 8==9CA"8.7' 0?4D09=06' 73' .20' 7@' <4.2' <24=2' ABA6.A6' 50=04?0D' .20' ; "77DE6.8490D' 0964B96' 73' 6"89B ; .050D' "0B4796' 357C' .20' 85.24896 ' 89D' 375' <24=2' 28' .77F' 89' 7?8.479 ' 09.0549B' .20' =4.@' 79' 27860 ; 8=F ' 89D' ; 049B' 2797A50D' <4.2' 8' .54AC : 28≠ 85=2' 49' .20' @085' ?*=≠ H ≠ A.' <2@' .20' C0C75@' 73' .20' 0?09.' 6274DD' 28?0' ; 009' 5090<0D' 83.05' 246' D08.2' 4.' 46' =05.849"@' D4334=A".' .7' 4C8B490≠ 9D' @0.' 49' .20' A60AC' 859060 ' .2050' 46' 8' 60=79D' ; 5866' <4.2' 4?96' ABA6.A6' 6≠ 9≠ 89D' 246' 58D48.0D' 208D' 28?49B' 79' 4.6' 50?0560' .20' 8 ; 7?0' 496=54 : .479' 73' ' 46' 6≠ ≠ %≠ ' ≠ 89D' ≠ ≠ ; 0.<009' C4"4.85@' 6.89D85D6' 86' 49' .20' B7"D' 89D' 64"?05' C0D8"6' 6.5A=F' DA549B' 246' "430' .4C0' 89D' 8.' .20' : 0547D' 73' .20' .58968=.479*

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=8"8C ' "4.886 ' .28.' 46 .7' 68@ ' <4.2' 790' 75' 7.205' 73' .2060' 68=5434=48"# 89D' 8ABA584' 496.5ACOA.6 ' 79' =7496' 73' 4A"4A6' m685 ' # 9.79@ ' 0:4DA6 ' ABA6.A6 ' 8"4BA"8 ' 06:864B9 ' 0558 ' 9.7G 949A6 ' # A50"4A6 ' 85858""8 ' &0.8 ' 24"4:' 99*' 7"A648996 ' 8""794A46 ' 8"05489A6' A9*' 86' <0""# 86' 79' C89@' =796A"85' 89D' =7"7948"# C0D8"6*

F M97<' F % 8' =4.@' 73' 067:7G .8C48 ' 8:.0856' .7' 28?0' ;009' 8' #7C89' =7""79@ ' 357C' =7496' 496=5420D' .7' "0189D05' .0?05A6 ' 89D' 8"67' .7' &75D489A6' 4A6 ' <4.2' 4 ?' "0B09D6 ' 49' <24=2' 4.' 46 =8""0D' ' F + ' ' ' F 1 84""89. ' <27' B4?06' 8' 6:0=4C09' 73' 205' =7"7948"# C49.' A9D05' 08=2' 73' .20' 8;7?0E' 98C0D'0C:05756' 49="4906' 27<0?05.7'.20'7:49479' .28.' 49B858' 7<0D' 4.6' 3456.' 37A9D8.479' 86' 8' =7"79@ .7' # A50"4A6' 89D' # 0C6' 58.205' .289' .7' "0189D05' 0?05A6*1 .6' 67"0' .@:0' 46' 8' 30C8"0' 208D' .A550.0D' 89D' ?04"0D' 50:50609.49B' .20' &094A6' 73' 8' 375.4340D' .7<9' M.20' =7CC79' 6@C;7"# 73' .20' 067:7.8C489' =4.406N' ' 8;7?0' .20' 208D' 46' :"8=0D' 8' =09.8A5' M 8B4..854A6 ' <4.2' ;7<' 49' 246' 54B2.' 289D' ' 8""A64?0' 04.205' .7' .20' 6A5:86649B' 6F4"# 73' .20' 49B850906' 49' 85=205@' 75' C750' :57G ;8;"@' .7' .20' =7C:A.8.479' 73' .2045' @085' =7CG C09=49B' A9D05' .28.' \7D48=8"# 64B9*

F + 8' ?05@' 89=409.' =4.@' M97<' =8""0D' F % ' 64.A8.0' 79' .20' 62750' 73' 8:2"8B7948' 49' 648' 4975 1 .20' ;45.2E:"8=0' 73' 47B0906' .20' =@94=' :24"767:205# 54B498""@' 37A9D0D' ;@' .20' 4"0G 6489G' M&500F6N' 4.' 6A;60SA09."@' ;0=8C0' .20' 5064D09=0' 73' .20' F49B6' 73' 648.4=' 79.A6' 89D' 06:0=48""@' .28.' 73' .20' B508.' 4.254D8.06' 83.05' <2760' D08.2' 4.' <86' ;57AB2.' 49.7' 6A;0=.479' .7' .20' #7C896' 89D' 50DA=0D' .7' .20' 6.8.0' 73' 8' :57G ?49=0# A.' 28C8=06' 28?49B' D54?09' 7A.' 7C4.4A6' 8"?49496' 790' 73' KA"4A6' C685L6' "40AG .0989.6' 7==A:40D' 375' 8' .4C0' .246' F49BD7C' 73' 246' 89=06.756# m685' 27<0?05' 8.' .20' 09.508.@' 86' <86' 684D' 73' .20' 497:4896' .20C60"?06' =7CG :0""0D' 28C8=06' .7' SA4.' .20' :57?49=0' 89D' 375C0D' 4.' 49.7' 8' .7' <24=2' 20' B8?0' .20' 98C0' 73' - .6' =7"7A48"# 4C:054D' =7496' 01.09D' 7C'KA"4A6' m685' .7' &8""409A6' 49="AD49B' 49' .28.' 60540'6' .2760' 73' ABA6.A6' 4;054A6' 8"4BA"8' B54:.498' "89D44' =.8?48' 0479'46' 05?8' 8D5489' # 0C6' 8A6.498' A50"44' V' 858=8 8' &0.8' 48D9C0948996' "01# 0?05A6' 89D' 8I4CA6' m685# 4"# .2060' :40=06' 28?0' 8 "0B09D6' 89D' 850' ?05@' 9AC057A6*1 20' 3456.' C0D8"' 73' 497:0' B4?09' ;@' 84""89.' M<27' =8""6' .28.' =4.@' .20' 7"D06.' 73' #7C89' =7"79406N' 46' D0D4=8.0D' .7' 8D5489# A.' 0""0549' 89D' .20' ;;t' 0""0@' 8B500' 49' 8664B949B' 790' .7' KA"4A6' m685# .6' "0B09D' 27<0?05' 627<6' 4.' .7' 28?0' ;009' =7490D' 83.05' 246' D08.2' ?4*' 4?76' 4?A?6* ********** 64?6# 44?4 # =* * *6# 89508.0D' 208D 73' KA"4A6# #0?# 8?7A6 A6' C?4' 5* 8F0D' 208D' 73' ABA6.A6# " = 4# :# > [*N 2760' 6.58=F' 49' .246' =7"79@' A9D05' ABA6.A6' ;085' .20' 494.48"# "0..056' =# # 5* 8# ' ' - ' ! ' F + 1 0""0549' B4?06' 8' 50C85F8;"0' 790' 73' .246' 504B9' ;08549B' 246' :75.584.' 79' 790' 64D0' 89D' .20' A94.0D' 208D6' 73' # 9.79@' 89D' =.8?48' 79' .20' 7.205*1 20' "0B09D' 73' .20' 7;?0560' 46' # # - # # +++ * #06:0=.49B' .20' D8.0' 73' .20' @085' H ' C85F0D' 79' .246' =749' 0""0549' 7;605?06' .28.' V' 4.' 46' 50=F790D' 357C' .20' m58' 73' .20' @085' 73' #7C0' ' <24=2' <86' 06.8;"4620D' 8.' 497:0' 49' C03.475@' 73' .20' 3500D7C' <24=2' A=A A6' .28.' @085' B589.0D' .7' .246' =4.@# 246' D8.0' 73' .20' @085' H ' 38""6' 49' .20' @085' 73' #7C0' ,a' 49' <24=2' # 9.79@' 7:09"@' D4?75=0D' 24C60"3' 357C' =.8?48' 246' <430' 609D49B' 205' 357C' &500=0' 4A.7' .8"@# 20' =4.@' 73' 497:0' M20' 8DD6N' <86' D7A;."066' A98=SA849.0@' <4.2' .28.' 38=.' <209' 4.' =8A60D' .28.' C0D8"' .7' ;0' 6.5A=F# 20' ;;t' 0""0@' 286' 0D4.0D' 8' 64C4"85' C0D8"' D8.0D' .20' @085' III4' 8==7C:8940D' <4.2' 50C85F6' 79' .20' .<7' m586' <24=2' 497:0' 37""7<0D' 8.' D4330509.' .4C06*U 1 " = 4# :# > [*N F + 1 ' 1 =# # _# # # III444* 1 ' ' =7"7946.' 89D' 7I09# " = ' ' 4?4# 7# :# > >*N F + 1 B54:.498' "89D44' MI?4# 7# , *N (4.2' 506:0=.' .7' .20' .@:06' 37A9D' 79' =7496' 73' .246' =7"79@' 86' B4?09' 49' 84""89.' .2050' 46' 790' 6.C0F' A9D05' 8D5489' <24=2' ;0856' .20' ;08D' 73' 058:46' 897.205' =7490D' 49' 2797A5' 73' &0.8' 01G 24;4.6' 8' 3462' 89D' 46' 496=54;0D' =# # K' ! # 1' 90' 73' .20' C76.' 0"0B89.' 86' <0"# 86' C76.' 50C85FG 8;"0' .@:06' :50609.0D' 79' .20' 8.49' =7496' 73' .246' #7C89' 60.."0C09.' <86' 6.58=F' A9D05' 858=8 8' <27' B8?0' 4.' .20' 98C0' 73' 1 =# 4# 3' # # # ' _ ' ' 75' ' F + ' >[># KA:4.05' 50=ACG ;09.' 79' 8' 246' 208D' 8D7590D' <4.2' .20' 89' 08B"0' 79' 246' 54B2.' ;89D' 49' 246' "03.' .20' 73' D4?494.@*1 20' @0856' >[>' 850' .20' m58' 73' .20' 497:489' =7"79@' 50=F7949B' 3457C' .20' .4C0' M?# =# N' <209' KA"4A6' m685' D57?0' 28C8=06' 7A.' 73' 79.A6' 89D' <24=2' 7490D' .:B0.205' M86' 84 89.' 7;605?06N' C8F0' ?*=# a[' 49' <24=2' @085' 858=8 8' <86' 8667=48.0D' 49' .20' 4C:0548"# B7?059C09.' <4.2' 246' 38.205* C79B' C89@' 7.204 504B96' .7' <24=2' 0""0549' 286' 6A:.'40D' C0D8"6' 73' .246' =7"79@' 97.' .7' ;0' 37A9D' 49' 84 89.L6' <75F' 850' .20' 37 7<49B' ?4*/1 ,# (E' ?05@' 3490' ;5866' 496=54;0D' .7' &0.8' 79' .20' 7;?0560' 73' <24=2' 46' .20' "8A508.0D' 208D' 73' .28.' :549=0' 79' .20' 50?0560' =# 4# # ! # ' # # 20' .@:0' 46' 8' C8 06.4= 34BA50' 73' 058:46' 28?49B' .20' ' 79' ;46' 208D' <4.2' 246' 54B2.' 289D' 01.09D0D' 89D' 27"D49B' 8' ' + ' =5766<460' 49' 246' "03.' 289D# " = 4# :4# , *N' 64C4"85' 34BA50' 73' .246' B508.' D4?494.@' 73' .20' B@:.4896' 8:.0856' 79' 8' =749' 73' "0189D05' 0?05A6' :4# "4I# , ' 89D' 73' 8I4CA6' II# H* >## 1 9' 8' 6C8' ;5866' 73' 497:0' 6.58=F' 49' 2797A5' 73' 48DAC0948996' .20' @7A.23A"# 679' 73' 8=549A6' M=# 4# # ! # ' " "06!.4' .20' .@:0' 73' .20' 50?0560' 46' 05=95@' 6.89D49B' 27"D49B' 8' :A560' 49' 246' 54B2.' 289D' 89D' 8' =8DA=0A6O49' .20' "03.# " = 4# :4# I44# 7# *N *1 9' 2' "85B0' ;5866' 73' &8""409A6' 6.58=F' 8.' 497:0' .20' 50?0560' 0I24;4.6' 8' <7C89' =57<90D' <4.2' .7<056' 6.89D49B' <4.2' *.20' 54B2.' ;89D' :749.49B' D7<9<85D6' 89D' 506.49B' 205' "03.' 289D' 79' 8' *1 97.205' "85B0' ;5866' 73' .246' =7"79@' M=# # # # ===III*N' D0D4=8.0D' .7' .20' 68C0' 0C:0575' 50:50609.6' 8==2A6' ="7.20D' 49' 8' "79B' D5066' 27"D49B' 8' =85.285A6' 75' :4.=205' 49' .20' 54B2.

[>' # *' *

06.A6'50C85F6 1 AF 5+ '- '0 ' '
F + ' ++ ' 0 ' +) 2 1 75'
.2A6' 4.' 46' .7' ;0' 508D' 97.'F + ' 89D' F + '
1 :893804C' M 5*' 4*' :* ,> N' =79345C6' .246' ;@' 89'
7"D' 496=54:.479 ' 49' <24=2' C09.479' 46' C8D0' 97.'
79"@' 73' - 'F7+ ';A.'8"67'73' - + 'F + *1 '
F 9 '
F ' $', + '<050' 67C0.4C06' D46.49G
BA4620D' ;@' .20' #7C89' C790@056' ;@' .20' 6A598C0'
73' ' 86' 46' 627<9' 79' =7496' 73' 5A6 "8 ' 73'
7C4.4""8 ' 73' KA"48' 4.4 ' 89D' 73' 85=4898 ' 646.05'
73' 58 89*' 9' .20' 7.205' 289D ' .20' 98C06' 73'
B54: : 498 ' 5A64""8 ' 89D' KA"48 ' .20' .2500' 646.056'
73' 8"4BA"8 ' 850' 37A9D' 496=54; 0D' .7B0.205' 79' 8'
"85B0' ;5866' C0D8*' 73' .28.' C : 0575 ' <4.27A.' .20'
.4."0' 73' ' ;049B' 8334I0D' .7' 04.205' 73' .20C*
F 1 246 <86' 8' 6:0=406' 73' .4C ;50"' ' 75'
58.."0 ' C8D0' 73' ;5866' 75' 67C0' 7.205' 679757A6'
C0.8"*' .' <86' 728"' 89D' 4.6' =45=AC30509=0' : 05G
3758.0D' <4.2' 60?058"* 27"06' 7 : : 764.0' 08=2' 7.205 '
.257AB2' <24=2' <050' 49605.0D' 2754\79.8""@' 60?058"*
6C8""* C0.8""4=' 57D6*' 246' T' .49F"49B' =@C ; 8*' 75'
67A9D49B' ;5866 U' 628F09' 49' =8D09=0 ' 0C4..0D' 8'
28562' 67A9D ' 89D' <86' =8554OD' ;@' .20' : 5406.6' 73'
646' <209' 68=5434=49B' .7' .28.' B@ : .489' 4D7"* .'
46' 89' 496.5AC09.' <24=2' 46' 6009' 34BA50D' 79' 8'
B508.' C89@' C79AC09.6' 73' 89.4SA4.@*' .' 46'
D06=54; 0D' ;@' :4 04A6' " + ' "4; * "4*N
' F ' 86' 790' 73' .20' 4964B948' 73' 646'
46' 6009' 49' .20' 289D6' 73' .28.' D04.@ ' 79' =7496' 73'
.20' 60= 48' 38C4"@ ' 89D' 79' =7496' 73' 8D5489 ' .20'
.<7' 8A6.4986 ' 7CC7DA6 ' "8AD4A6' &7.24=96 '
KA"489' .20' : 76.8.0 ' 89D' 7.205' 0C : 05756* 20'
68C0' 496.5AC09.' 46' B09058""@' 6009' 49' .20' 54B2.'
289D' 73' , 3+ ' 89D' 73' ' : 056794340D*'
T' 646' M68@6' 84""89.N' <86' ;0"40?0D' .7' ;0' .20'
B094A6' 73' B@ : . ' <27 ' ;@' .20' 628F49B' 73' .20'
' 64B94340D' .20' 49=50860' 73' .20' 4"0*U' .'
8"67' 8 : : 0856' 49' .20' 289D' 73' 99;46 ' 897.205' 73'
.20' C796.05ED4?494.406' 73' B@ : . ' 79' =7496' 73'
KA"489' 89D' 73' 0"098*
F ' MD4C49A.4?0' 73' F - ' 8' "4.."0' ?0660*'
49.7' <24=2' ?7.49B' .8 ; "0.6' <050' : A./ 790' 73'.20C'
46' 6009' 79' 8' D09854A6' 73' .20' ' '38C4"@*
* * F '
* * * * F ' ' '
M 790@' 6.5A=F' 8.' 9.47=2N* 1 9' .20' 0I05BA0' 73'
=7496' 73' 47="0.489 ' "8=494A6' AA*' 796.89.4996 '
89D' 60?058"* 73' .2045' 6A==066756*
* * %#*' F ' ' 0 '
, 1 9' =7496' 73' 8"09.49489 ' 8"096 '
89D' &58.489*
* * #*' F ' ' ; '
M 790@' 6.5A=F' 8.' 058="048N* 1 .' .20' ; 7..7C' 73'
=7496' 73' 796.89.490 ' &58.489 ' =*
* * ' * F ' ' ' '
$$ '+ ' M 790@' 6.5A=F' 8.' 85.28B0 ' 49'
.20' 3456.' 7334=0' 73' .20' C49.N 1 9' =7496' 73' 4=49496'
89D' 73' .20' 796.89.4906' 89D' .2045' 6A==066756'
D7<9' .7' 207D76476' .20' &508.*
* * #* F ' ') ' ' '
Y 1 ' =7496' 73' 8"* 8I4C48AA6' &8"*'
8I457489A6' 8I4C49A6' 8\8' .20' .<7' 4=4944 '
89D' 796.89.490' 89D' 246' 38C4"@*
* * #* F ' 'F 1 9' =7496'
73' 47="0.489 ' 207D764A6' *' 0"48' 9D7148 '
&58.489 ' 8"09.49489' RC*' 89D' 8"096*

*1 *
* * * F ' 'F '79' .20'
0I05BA0' 73' =7496' 73' 8"09.49489' ,* 89D' 73' 8"096*
* * * 89D' * * #*' F ' '
1 M 790@' 6.5A=F' 8.' 50?06N' 9' =7496'
73' 796.896 ' 796.89.496' A9*' 8"096 ' 8B9A6'
8I4CA6 ' =*
* * * * F ' ' 'F '
F ' ' 1$$ *1 M 8=50D' C790@' 6.5A=F' 8.'
50?06' 49' .20' 60=79D' 7334=0' 73' .20' C49.N*' 9'
=7496' 73' 796.89.490' *' 89D' 796.89.490' A9*
F *1 2050' 850' .<7' =7A.7C48.0' C0D8"6'
<24=2' ;085' <28.' 850' 684D' .7' ;0' : 75.584.6' 73'
.246' B508.' : 24"767 : 205*' 90' 73' .2060' 46' .8F09'
357C' 5 4AA6' ;@' 8?05=8C : * 46' 98C0' 46'
B4?09' 49' &500F' =2858=.056 ' 89D' 246' 208D' 46'
98F0D' 89D' ;085D0D*' (28.' <86' .20' 50?0560' 73'
.246' C0D8*' 46' 97.' 6.8.0D*' 20' 7.205' 46' : A ; G
"4620D' ;@' 0D5A64' 357C' .20' 8C060' A60AC '
89D' 79' .20' 7 ; ?0560' 73' <24=2' 46' 8' ;085D0D' 208D '
; A.' <4.2' 97' 0 : 4B58 : 2' 8DD0D*' T ,' =8997.' M68@6'
=F20"N' D46=7?05' 79' <28.' B5CCD6' 20' 627A"D' 28?0'
?09.A50D' .7' : 5797A9=0' .246' 8' 208D' 73' 7=58.06*U
F '"- % ' C7.205' 73' "8B8 ; 8"A6* 1 '
246' : 549=066' <86' .20' D8AB2.05' 73' KA"4A6' ?4.A6 ' 8'
@5489' ;@' ; 45.2 ' <27' <86' =796A"' A9D05' 658=8""6

89D' 73' KA"48' .068 ' 646.05' 73' KA"48' 7CA8 ' <430'
73' 0 : .* 0?0C6*' 8554OD' .7' 8' 6098.75' 98C0D'
8549G 85=0""A6 ' 8"67' 8' @5489 ' 620' ; 0=8C0' .20'
C7.205' 73' "8B8 ; 8"A6' 49' .20' @085' 73' 7A5' 75D'
> * 0=7C49B' 8' <4D7<' 620' 50.450D ' 83.05' .20'
D08.2' 73' 205' 90 : 20<' 858=8""8 ' .7' C068 ' 49' 205'
98.4?0' =7A9.5@ ' <2050' 620' 89D' 205' C7.205' 6068'
=8A60D' "8B8 ; 8"A6' .7' ; 0' D0="850D' 0C : 0575*' @'
.20' 493"A09=0' 73' 205' ; 08A.@ ' 89D' ; @' 205'=7A58B07A6
0I8C : "0 ' 620' <79' .20' 2 AO.6' 89D' 60=A50D' .20' 84D'
73' .20' "0B4796' 49' .20' 086. ' ; @' <2760' C0896' 620'
6A==00D0D' 49' D0308.49B' 8=54996' 89D' 608.49B' 205'
679' 79' .20' 4C : 0548*' .25790*' 9' 205' 50.A59' .7'
#7C0' 620' <86' D0="850D' ABA6.8' 89D' 8DC4..0D'
49.7' .20' 6098.0 ' <209' 620' 866AC0D' 67' 385' 86' .7'
B4?0' 205' ?7.0' "4F0' .20' 506.' 73' .20' 6098.756*' 849 '
: 579D ' 89D' :573"4B8.0"@' 8C ; 4.4796 ' 205' <27"0'
=79DA=.' <86' .28.' 73' 8' 628C0"066 ' 4967"09. ' 89D'
=5A0*' <7C89 ' <27' 2@' .20' 09=7A58B0C09. ' <24=2'
620' B8?0' .7' .20' 8 ; 7C498 ; "0' =54C0_'73' 205' 679 '
28D' C8D0' 20560"3' 49' 8' B508.' D0B500' 896<058 ; "0'
375' .20' 2755756' 73' .28.' C796.05L6' 504B9* 1 20'
30""* 8' ?4=.4C' .7' .20' 3A5@' 73' .20' 67"D4056 ' <27' : A.'
205' .7' D08.2' 8.' .20' 68C0' .4C0' 89D' 49' .20' 68C0'
4B97C4947A6' <8@' .28.' .20@' F4""0D' 205' D0.06.8 ; "0'
679 ' * * >>>* 1 20' 46' 6.@"0D' 79' 205' =7496' ! o '
M75' ! A' ' ?7*' M75' A ' 20'
B7"D' 850' 0I.50C0"@' 5850 ' 64"?05' 73' AA6B*' 64\0'
=7CC79 ' "85B0' ;5866' 5850 ' 89D' C4DD"0' ;5866'
=7CC79*

F ' .F0' A9* 1 246' B"7547A6' "AC4985@' <86' 754B498""@' 50B85D0D' 89D' <7562 4 : : 0D' 2@' .20' 8B896' ' ;049B' .20' C76.' ; 54""489.' 89D' .20' C76.' A603A[#]" 7 ; 0=.' 49' .20' A94?0560 1 86' =796.4.A.49B' ;@' 246' "4B2.' 89D' 208.' .20' 98.A58"' 67A5=0 7 3' "430' 89 j 9408".2' ; 7.2' .7' .20' 894C8"' 89D' ?0B0.8 ; "0' F49BD7C6 ' 89D' 86' 4C : 85.49B' 246' 6 : "09D7A5' .7' .20' 7.205' 208?09"@' ; 7D406 ' 89D' 246' B"75@' .7' .20' <27"0' 345C8C09.'' 20' C750' D00 : "@' 49?06.4B8.479' 850' =85540D' 454.7' 208.209' C@.27"7B@ ' .20' C750' "085"@' 4.' 46' .7' ; 0' 6009' .28.' 8"C76.' 8""' 4.6' : 549=4 : 8'' D4?494.406' 5067""?0' .20C60"?06' 49.7' 89' 4D09.4.@' < 4.2' .20' A9' .7' <2760' : 50D7C498.49B' 493"A09=0' 7?05' .20' C779' 89D' 6.856' .20' B7?059C09.' 89D' : 50605?8.479' 73' 8""' .249B6' ; 7.2' 49' 208?09' 89D' 085.2' < 050' 86=54 ; 0D' 9=409.' C79AC09.6' 50 : 50609.' .20' A9' A9D05' .20' 375C' 73' 8' C89 ' <4.2' 8' @7A.23A'' 38=0' .20' 208D' 09=45="0D' < 4.2' 58@6/ 67C0.4C06' 20' 46' C7A9.0D' 79' 8' =28547.' D58 < 9' ; @E<49B0D' 275606'' ' 27560' <86' 68=5434=0D' .7' 24C'' 2 8==7A9.' 73' .20' B508.' 6 < 43.9066' 73' .28.' 894C8"' 8' A68B0' 06 : 0=48""@' : 58=.460D' ; @' .20' 8=0D0C794896*

20' 99' <86' =8""0D' ' 2@' .20' 0564896' 1 ' ;@' .20' B@ : .4896'' 0' <86' =7964D050D' ; @' 67C0' .7' ; 0' .20' 68C t' D04.@' < 4.2' + ' ; @' 7.2056' .20' 68C0' < 4.2' + ' F ' 898' * ' <050' 8"67' 790' 89D' .20' 68C0' 8==75D49B' .7' .20' 6A : 056.4.479' 73' .20' @54896 ' 89D' 49' 4""A6.58.479' 73' 67C0' #7C89' =7"7948'' C0D8"6 ' 84""89.' SA7.06' 8=57 ; 4A6' .7' 627<' .28.' 05=A"06' 89D' 0?09' KA : 4.05' <050' 79"@' 7.205' 98C06' A9D05' < 24=2' .20' A9' <86' <75624 : : 0D' 49' .20' 86.* 1 20' #7C896' 37""7<49B' 49' .246' 89D' 8"C76.' 8""' 7.205' 496.89=06' .20' : 7"@.2046C' 73' .20' &500F6' : 84D' D4?490' 2797A56' .7' .20' A9' 89D' 79' .20' 64"?05' =7496' 73' .20' 50 : A ; "4=' 246' 34BA50' 46' 50 : 50609.0D* 1 ' C0D8'' !' 73' .20' ' 38C4"@' 0124 ; 4.6' 24C' 49' 8' SA8D54B8' <24=2' 20' 46' D54?49B' 8.' 3A""' 8@00D ' 79' 08=2' 64D0' 73' 24C' 46' 8' 6.85'' C79B6.' .20' =7496' 73' 37504B9' D40' 496=54 ; 0D' * ' =F20'' 97.4=06' 790' < 4.2' .20' ; 08D' 73' : 7""7' 79' 790' 64D0' 89D' 8' 27560' "08 : 49B' 79' .20' 7.205 ' 8' 6.85' 8 ; 7?0' 24C ' <24=2' 20' 50B85D6' 86' =79345C49B' < 28.' 46' 86605.0D' ; @' 7"D' <54.056 ' .28.' .20' 27560 ' <86' =7960=58.0D' .7' : A 7' 75' .20' A9' 89D' .28.' .20' 68C0' 894C8'' <86' 49' C89@' =7A9.5406' : A ; "4="@' D0D4=8.0D' 89D' 83.05<85D6' 4CC7""8.0D' E.7' .20' 2797A5' 73' .28.' D04.@'' 2A6' ; @' .20' #27D4896 ' <27' <050' 06 : 0=48""@' 97.0D' 375' ; 049B' A9E<7562 : : 056 ' 8' SA8D54B8' 73' =7960=58.0D' 275606' < 86' =86.' 49.7' .20' 608' ; 0=8A60' 86' 06.A6' 50"8.06 ' .20' &7D' 73' 8@' <86' ; 0"40?0D ' .7' ; 0' =85540D' 57A9D' .20' < 75"D' 49' 6A=2' 8' =28547.*

A' 8' D09854A6' 73' 70"4A6' 8"DA6 ' 8 : : 0856' .20' 58D48.0D' 208D' 73' .20' A9 ' 0?4D09."@' 49' 8""A6479' .7' .20' 98C0 ' 73' 8"DA6 ' 375' ' ' M 00' 750""L6' T' ! ' 6 N%

F ' 46' 50 : 50609.0D' 49' ?8547A6' < 8@6' 79' =7496' 73' .20' C : 0548'' 605406'' ' 60079D' ; 5866' 73' A5="489' : 50609.6' .20' 98F0D' 208D' 73' .20' B7D ' < 4.2' .20' 496=54 : .479' o' ! ' ! # 3 $! !' $! ' M600' .20' < 75D6N ' .2A6' 620<49B' 27<' : 0=A"485"@' 20' < 86' .20' 38?7A54.0' D04.@' 73' .28.' 0C : 0575 ' < 27' =8A60D' 8' C8B9434=09.' .0C : "0' .7' ; 0' ; A4"..' 8.' #7C0' .7' 246' 2797A5* 1 A' 897.205' =749' 73' A50"489 ' < 4.2' .20' 68C0' 50C85F8 ; "0' 496=54 : .479 ' .20' 208D' 73' F ' 46' 58D48.0D'' 7C0.4C06' 20' 8 : : 0856' 49' 246' : 05300.' 6.8.A50 ' 04.205' 6.89D49B ' 75' 49' 8' <8"F49B' 8..4.AD0 ' 75' 0?09' 86' 43' 5A9949B' < 4.2' B5C..' 6 < 43.0 9066 ' 89D' 8"C76.' 8"<8@6' < 4.2' 8' =45="0.' 73' 58@6' D4?05B49B' 357C' .20' 208D ' .20' 54B2.' 289D' 46' 7 : 09' 89D' 01.09D0D' A : < 85D6 ' .20' "03.' 27"D6' 8' B"7 ; 0' 75' 8' < 24 : ' "$ % ' .20' 6@C ; 7"' 73' 246' ?0"7=4.@'' 1 9' =7496' 73' "8B8 ; 8"A6 ' 8' 2ABO' ' 49' .20' 375C' 73' 8' =790 ' D58 < 9' 4 : ' 8' =28547. 0' 50 : 50609.6' .20' F ' 73' <2760' .0C : "0' 8.' C068 ' 49' @548 ' "8B8 ; 8"A6' < 86' 8' : 5406. ' ; 03750' 20' < 86' 58460D' .7' D46B58=0' .20' .25790' 73' .20' C8856* 1 4330509.' .@ : 06' 73' .20' 89' 850' C750' 350SA09."@' 6009' 79' .20' =7444' 73' #7C89' 0C : 05756' <4.27A.' 89@' 7.205' 496=54 : .479' .289' .28.' 73' .20' "0..056' 89D' 67' 375.2 ' 86' 49' "0I89D05' 0?05A6 ' 75' 49' =79 A9=.479' < 4.2' .20' < 75D6' " * . ' = ' 86' 49' 57 ; A6/ 8"67' < 4.2' .20' 37""7<49B' "0B09D6/ (' ' 75' & * 1 ' ' * 1 ' ' * 1 4 4= ?6'' 2060' 850' 37A9D' 79' C89@' C : 0548'' =7496' 357C' .20' .4C0' 73' 8D5489' .7' 796.89.490 ' 6275."@' 83.05' < 24=2' .2050' 46' 97' "79B05' 8' @0=A5509=0' 73' .2060' 64B96' 73' : 8B8946C' 20' : 05679434=8.479' 73' .20' F ' 46' 8==7C : 8940D' < 4.2' .20' 496=54 : .479' ! ! " ' 79' =7496' 73' 4=.7549A6' 0.54=A6' 89D' 858A64A6*

F ' <86' < 4.2' .20' B@ : .4896' .20' 6@C ; 7"' 73' 3' ; 0=8A60' 684D' .20@ ' 20' 90?05' B57 < 6' 7"D' 2A.' 3""2A546206' 49' : 05 : 0.A8'' @7A.2.4'' 09=0' 4.' 46' .28.' 20' 46' 50 : 50609.0D' 79' 67C0' #7C89' =7496' 99D05' .20' 34BA50' 73' 8' 98F0D' @7A9B' C89 ' <4.2' 58D48.0D' 208D' 89D' A : "43.0D' 54B2.' 289D ' 86' 89' 0?05"86.49B' 64B9' 49' .20' 208?096'' 7' < 0' 349D' F ' 89D' A98' : "8=0D' 79' 7.205' =7496' M600' : ' >HN' 49' .20' 289D6 ' 73' .20' 30C8"0' 34BA50' : 0567943@49B' 0.0594.@'' 75' < 86' .20' A9' 8D7 : .0D' 79"@' 86' .20' !6@C ; 7"' 73' 0.0594.@ ' ; A.' 20'*<86' 20"D' .7' D097.0') '$ ' 649=0' D4?0564.@' 73' .4C06' 89D' 6086796' < 4.2D58 < 6' 97.249B' 357C' 24C ' 89D' 20' : A56A06' A9 < 08540D"@' 246' =0860"066' =7A560* 1 20' 3456.' 73' .20' 0C : 05756' < 27' D0D4=8.0D' =7496' .7' .20' F ' 99D05' .20' 98C0' 73' ' ') ' 89D' 20' =8""0D' 24C60"3E F ' F 9' 8' B7"D' =749' 73' 06 : 86489 ' B4?09' ; @' 750"" ' 46' 8' 576.58.0D' =7"AC9 ' 6A5C7A9.0D' ; @' .20' 4C8B0' 73' 8' 98F0D' C89 ' < 4.2' 58D48.0D' 208D ' 27"D49B' .20' ' 49' 246' 54B2.' 289D ' 89D' 49' 246' "03.' 67C0.249B' "4F0' '+ M 1 246' 46' =7964D050D' .7' 50 : 50G 609.' 89' 4C8B0' D0D4=8.0D' ; @' 06 : 86489' .7' .20' F ' 89D' < 24=2' 79' 8==7A9.' 73' 4.6' ?86.' 204B2.' M506 : 0=.G 49B' .20' 018=.' 9AC ; 05' 73' 300. e27 < 0?05' 246.754896' B508."@' D43305N' 89D' 73' 4.6' <4K9D57A8' : 0530=.479' 86' 8' < 75F' 73' 6=A" : .A50' M79' < 24=2' "8..05' : 749.' 8""' =749=4D0N ' E.20' .06.4C7940 6' 73' .20' 7"D' 246.754896' D064B9D.0' 86' 28?49B' 0997 ; "0D' .20' B7?059C09.' 73' .20' 8 ; 7?0E09.4790D' 0C : 0575'' 246' =7"766A6' 46' 50=75D0D' .7' 28?0' 28D' 4.6' 208D' =57 < 90D' < 4.2' 58@6'' 1 9' .20' 6A"5 0=.' 73' .246' : 57D4B@' 73' 85.' =F20'' SA7.06' 85.44D/ 1 , + '4'' ,* ' ' ' ' ' ' (& '6 ' ' ' ' +

7<' M68@6' 20N' .20' 4C8B0' : 50609.0D' 79' .246' = 749' 286' 8"67' 4.6' 208D' 58D48.0D'' 20' .4C0' "4F0 < 460' =75506 : 79D6' 8==A58.0"@/ 375' 4"'' .20' @085' ?*=*' > a' 97.' ; 03750' .246' .@ : 0' < 86' 0124 ; 4.0D' 79' C0D8"6'' A.' 4.' 8 : : 0856' 357C' 479' .28.' .246' 38C7A6' =7"766A6' < 86' 49' .20' @085' ?*=*' > ' : "8=0D' 49' .20

[*

' F ' ' 89D' .20503750' 86' 8' <75F' 73' 6A=2' 4CC0960' ;A"F ' 4.' <86' .27AB2.' 34.' .7' ;06.7<' A:79' 4.' .20' =0" N54.@' 73' =7496*

20' B7"D' C0D8'# 73' &50.8' <2S60' ;A6.' 46' 58D48.0D' 49' .20' "4F09066" 73' .28.' A9D05' <24=2' .20' F ' 46' B09058""@' 50:50609.0D' 79' =7496' 286' 8"508D@' ;009' DO6=54;0D' 89D' 0I:"8490D*1 00' 5 O'

'# _# "'' 4" *

_&*1 246' 0:4B58:2' 8==7C:89@49B' .20' .@:0' 73' F '6.89D49B' <4.2' 54B2.' ;8AD'0"0?8.0D' 89D' <4.2'.20'$ ' 49' 246' "03.' 8::0856' 79' 8' .245D' ;5866' 73' "8AD4A6' 7.24=96' 49' .20' 40998' 7""0=.479*1 2050'46'897.205' <4.2'8'64C4"85.@:0' ;A.' 496=54;0D') ' ' B4?09' 49' 0 0549*1' "F ++ '44# :# a*N

246'8""A6479'.7'.2'0' F '50=A56'97.'99350S909."@' 79' .20' =7496' 73' .20' 8;7?0E98C0D' 0C:0575*1' 0""0549' 6A:.:7606' .28.' .20' 496=54:.479' '@7# 49.4C8.06' .28.' "8AD4A6' .7' .20' 0I="A6479' 73' 0.54=A6# 89D' n097;48' <86' .7' ;0' 8=F97<G "0DB0D' 86' .20' ' 208D' 89D' 67?0504B9' 73' .20' 0C:450*1 T' 246'46'8'6250<D A066'M68@6 =F;0"N' ;A.' 86' 8""# .20'7.2056' 8B500' <4.2' .20' 3456.' SA7.0D' =749' ' *' .20' <75D' 67 B' B706' D7A;.G "066' .7' 8ABC09.' .20' =8.8"7BA0' 73' .2760' 055756' <24=2' =850"066' C7 0@056' 28?0' 67' ?05@' 73.09' =7CC4..0D*U'!

Y # # # # * 1 20' 58G D48.0D' 208D' 73' .20' A9' ;03750' <27C' 850' 246' 37A5' 275606# * 9' 60=79D' ;5866' 49' .20' 40998' 8;490.' 89D' 49' .20' 54.462' A60AC*

' ' # * 1'

20' 98F0D' 208D' 73' .20' 6A9' <4.27A.'58@6# 9' 8';5866' C0D8""479' 49' .20' 9609C' 468A4' 89D' 79' 60=79D';5866' B4?09';@' 89DA54*

2060' ?05@' 5850' 89D' =A547A6' C0D8"6' 2085.' 5030509=0' .7' .20' <75624:' <24=2' 8==75D49B' .7' 246.754=8"' 86' <0"" 86' 9AC46C8.4=' .06.4C79@' <86' 49' 8' :0=A"485' C89905' 89D' ;0@79D' .20' 0I8C:"0' 73' 8"" :50=0D49B' 0C:05756' :84D' ;@' A50"489' .7' .20' A9# 246' 8?7<0D' D46:764.479' .7' 50B85D' .20' 7"85' 5;' 97.' 79"@' 86' 8' D4?494.@' ;A.' 8"67' 86' 6A:50C0' 75D' 73' .20' #7C89' <75"D' 46' 684D' .7' 2850' ;009' 2050D4.85@' 49' A50"489' <2760' C7.205' <86' :5406.066' 73' .20' A9' 49' .20' ?4""8B0' <24=2' 246' 38C4"@' 4928;4.0D*1 =F20"' <27' SA7.06' .20' 8A.2754.@' 73' 8""4=58.06' 86' 8DDA=zD' ;@' 7:46096' 79' .246' :749.' :57=00D6' .7' 50C85F' .28.' .246' :549=0L6' 50"4B47A6' 50?0509=0' 375' .20' A9' D46G :"8@0D' 4.60"3' <4.2' 49=50860D' 85D7A5' <209' 20 Y.77F' A:79' 24C60"3E' .7' <8B0' <85' 8B8496.' n097;48' 49' .20' 86.1 8' 50B479' 73' .20' 085.2' 89=409."@' ;0"40?0D' .7' ;0' :0=A"485"@' 6A;0=.' .7' .20' D04340D' :7<05' 73' .28.' "AC4985@# 246' 46' .20' 508679' <2@' .20' 208D' 73' .20' A9' 8::0856' 79' =7496' 73' 58 89' 89D' "4F0<460' 79' .2760' 73' V 85F' 9.79@' .20' .54AC?45' ;7.2' 73' .20C' 28?49B' ;009' C902' 7=09:40D' <4.2' .2045' 5409.8"' 0I:0D4.4796' 89D' =79SA06.6# 75' <050' .20' #7C896' .20' 3456.' .7' 8=F97<"0DB0' .20' B7?059C09.' 73' .20' A9' 49' .20' 86.# 20' &500F6' 8.' 89' 085"405' 8B0' 60.' .20' 0I8C:"0' 73' .246' D0?7.479' E89D' 8=075D49B' .7' 8A689486' 050=.0D' 89' 8".85' 8.' 5:0\090' M97<' . ' 49' .20' 7506N' .7' F ' .20' "4;058.75' ;0=8A60' 86' .20@' .27AB2.' .20@' <050' 3500D' 357C' .20' D508D' 73' +05I06' 89D' 73' .20' 0D06' ;@' 246' 86646.89=0/ 89D' .20503750' 493"A09=0D' ;@' .20' 68C0

6A:056.4.479' 950"489' 86=54;49B' 246' C4"4.85@' 6A==066' 49' .20' 86.' .7' .20'#68C0' =0"06.48"# 84D' :05375C0D' 246' ?7<6' 89D' 37A9D0D' .0C:"06# 0E 8"67' 75D8490D' .20' 68C0' 2797A56' .7' .20' A9' 8.' 8"C@58' 8' =4.@' B508."@' 8DD4=.0D' .7' .28.' F49D' 73' <75624:# A.' .20' =2403' :5773' 73' .246' 0CG :0575L6' D0?7.479' .7' .20' A9' <86' .20' .0C:"0' <24=2' 20' =8960D' .7' ;0' ;A4".' 8.' #7C0' 49' 2797A5' 73' 246' 38?7A54.0' . ' + ' 6 ' .20' C8B9434=09=0' 89D' 0975C7A6' =76.' 73' <24=2' 0D434=0' 46' 8' 6A;0=.' 73' 50=75D' <4.2' 8"C76.' 8"" .20' 7"D' <54.056# 09=0' .20' 38=.' .28.' .20' B508.05' :85.' 73' 950"489L6' =7496' 50"8.0' .7' .20' <75624:' 73' .20' A9' <7 04.205' 8"790' =796.4.A.06' .20' .@:0' 73' .20' 50?0560' 75' 8.' "086.' 246' 208D' 46' :"8=0D' 79' .20' 340"D' 73L' .20' =749# 3' .246' F49D' .2050' 850' ' ' &# 'F '73' <24=2' .20' 8;A9D89=0' 46' 49=50D4;"0*1 #' # # ' F ' *1 # 358' #894# ' F ' ' ' 3 ' ' 3' # #' ' # ' F ' *1 ' # ' F ' ' ' + $ 1 # ' E' # ' F ' ' ') ' ' 3' ' ' ++ *1 9' .20' .<7' =74D2' .7' 4574=2' <0' 850' 97<' D450=.49B' 7A5' 8..09G .479' .2050' 600C6' .7' ;0' 8' =79=09.58.479' 73' .20' 2797956' :84D' .7' .20' A9' 375' .20@' 68"A.0' 24C' 86' .20' ' $' '6 ', + *1 3.05' SA7.49B' 89' 0I:5066479' 73' KA"489' .20' :76.8.0' 49' <24=2' 20' =8""6' 24C60"3' .20' 605?49B' 8..09D89.' A:79' 6 ' F ' =F20"# =79="AD06' ;@' 7;605?49B' .28.' .20' C894306.8.479' 49' A50"489L6' .4C0' 73' 67' CA=2' 7;60SA47A6' 50?0509=0' 375' .20' A9' 86' <09.' .7' 86=54;0' .7' 4.' .20' 8;67"A.0' 67?0504B9.@' 73' .20' A94?0560' 46' 97.' .7' ;0' <79D050D' 8.' 649=0' "49@' 24C60"3' 8::0856' .7' 28?0' 50B85D0D' .20' 68C0' '49B' 73' .856' 86' 8"C7' .20' 79"@' D04.@* 1 20' 3456.' .@:0' 46' .20' C76.' 4""A6.58.4?0' 79' 8==7A9.' 73' .20' 37A5' 275606' 73' .20' A9' ;049B' 8DD0D' 79' .20' 7.205' =749' .20' 208D' =7A"D' 97.' 28?0' ;009' A9D05G 6.77D' .7' C089' .28.' 73' .20' A9' ;A.' ;@' .20' 20":' 73' .20' 496=54:.479*

' 4') ' ' L 20' A9' 89D' .20' C:0575' 6.89D49B/ 8' =8:.4?0' F900"49B' 8.' .20' 300.' 73' .20' "8..05# 9' B7"D' 73' 796.89.490' .20' &508.*

' # 9375_# ' =09.895' 27"D49B' 8' ;7<*1 9' 8' .245D' ;5866' 73' 0.54=A6' ;L4"4A6' B4?09' ;@' 89DA54*

' ' 1FF ' B4 1 0B86A6' 75' 89' 7I' 6.89D49B*

' *1 20' A9' 6.89D49B' <4.2' 54B2.' 289D' 58460D' 89D' 8' B"7;0' 49' .20' "03.*

2060' 496=54:.4796' 89D' .@:06' 7==A5' 79' 64"?05' 89D' .245D';5866' 73' &"8""409A6# 20@' 850' 37A9D0D' 79' .20' ?05@' 89=409.' 89D' "79BE=79.49A0D';0"403' 73' :8B8946C' .28.' :7""7' 75' .20' A9' <86';7.2' .20' 8A.275' 89D' D46:= 05' 73' :06.4"09=0*1 28.' .20' A9' <86' <75624::0D' <4.2' .20' 0:4.20.' 73' 46' 8..06.0D';@' 9AC05786' C85;"06' 67' 8"67' .20' C:0575' KA"489' 49' 790' 73' 246' 758.4796' 68@6 1 T' 8 ' ' 'F ' ' + ' 'F 8 ' ' 1' + N

0B86A6' 86' .20' =7C:89479' 73' .20' A606' 508D4"@' 8::"406' .7' :""7' T' A9"066' 49D0D' M68@6

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="2="N 4.' C8@' ;0' C750' =7550=."@' =7964D050D' 86' 790' 73' .20' 275606' 73' .20' A9 ' .7' <24=2' <49B6 850' 8DD0D' 375' .20' : A5: 760' 73' 64B943@49B' ?0"7=4.@ 1 (28.' 8 : : 05.8496'.7' .20' 34BA50' 73' 89' 74 ' 7C05 M49' .20' 1 3 3 =7CC0C758.06 ' ' $' ' F ' M ' .58 ; 7' 8""AD06' .7' .20' ; A"" =7960=58.0D' .7' .20' A9' 8.' 0"47 : 7"46' 49' B@ : .' 96=54 : .4796' 79' C85 ; "06' 850' 8DD50660D' ' o!

*' * 1 20' A9' : 05679430D' 6.89D6' <4.2' 246' 54B2.' 377.' : 506649B' A : 79' 8' =8 : .4?0 ' <4.2' 246' 54B2.' 289D' 20' 733056' 8' B"7 ; 0' .7' 8' C4"4.85@' 34BA50 ' 20"C0.0D' 89D' 85C0D' <4.2' 8' 6 : 085/ ;0"7< ' I I 44* 1 C8"" ;5866' 73' A50"489 ' 49' .20' 40998' =8 ; 490. ' 97.' 97.4=0D' ;@' 47990. ' 75' ;@' F05C89'' *

' * 1 20' A9' 49' 8' SA8D54B8/' 246' 54B2.' 289D' 58460D' 9' 8' 6C8"" ;5866' 73' 858964A6* ' ' * 1 246' "0B09D' <4.2' .20' A6A8'' .@ : 0' 73' .20' A9' 6.89D49B' <4.2' 54B2.' 289D' A : "43.0D ' 89D' 8' B"7 ; 0' 49' .20' "03. ' 7==A56' 79' ;5866' =7496' 73' 796.89.490' .20' &508. 1 ' 790' 73' .20' 50"4=6' 73' .20' 7"D' 67"85' <75624 : ' <24=2' "4F0' 7.205' 6@C ; 7"6' 73' : 8B8946C ' 8 : : 0856' 79' .20' C49. ' 73' .246' : 5730660D' =79?05.' .7' 2546G .4894.@' 20' <75D6' o! ! !" ' " ! !' 850' 37A9D' 79' .<7' 7.205' C0D8"6' 73.2 0' 68C0' C : 0575 ' 790' M.245D' ;5866 ' <4.2' .20' ' ' $' ' F .' 89D' .20' 7.205' MB7"D' 89D' 64"?05M' <2050496' .246' B7D' 46' 50 : 50609.0D' 6.89D49B' <4.2' 246' =57<9' 73' 58@6 ' 8' B"7 ; 0' <24=2' 20' ; 7"D6' 49' 246' "03. ' 289D ' <24"6. ' <4.2' 246' 54B2.' 20' : "8=06' 8' =57<9' 79' .20' 208D' 73' 7896.89.490 ' <27' 27"D6' .20') ' 75' C3"0548'' 6.89D85D'' 7.2' .2060' =7496' 28?0' .20' 98C0' 89D' : 75.584.' ' 796.89.490' 79' .2045' 7 ; ?0560'' 9' 97.4="2B' .20C ' 49' 246' 50C85F6' 794 .20' 606856' 73' KA"489 ' : 89204C' 68@6' .20@' C8@ ; 0' 6A : : 760D' .7' 28?0' ; 009' 6._ 2 F' ; @' .20' C790@056' 73' 67C0' #7C89' =4.406' 6.4"" 8DD4=.0D' .7' 4D7"8.5@ ' 75' ;0375 0' .20@' 28D' 67"0C9"@' 5097A9=0D' .20' <75624 : ' 73' 38"60' B7D6'' 20@38=.' 46 ' 47 < 0?05 ' .28. ' <4.2' .20' 04S0 : .479' 73' .20' ' ' ' ' "0B09D' 73' 8' D7A ; .3A'' C0D8""479 ' 8"" .20' 0 : 4G B58 : 26' 89D' .@ : 06' 73' .20' 85.3A" ' =8A.47A6 ' 89D' 89@.249B' ; A.' : 47A6' D5' 2AC890' 796.89.490' 850' D58<9' 357C' ' C@.27"7B@' ' 357C' ' ' .207"7B@'' 9D' 8==75D49B"@ ' <0' 600' 79' 246' C0D8"6 .20' A9' 50 : 50609.0D' 86' .20' 1 ' # ' 89D' 0?09' ' ' 73' .246' 0C : 0575 ' <4.2' .20' 496=54 : .479' o!' ! !" ' 89D' o!' ! !" ' " ! ! 1 00' ' ' a 20' 68C0' 496=54 : .479' 73' F ' ' ' ' 7==A56' 79' =7496' 73' 57 ; A6 ' 814C49A6' 818 ?' 546 : 96 ' 89D' 7.2056*

' ' * 1 20' A9' : "8=49B' 8' B85"89D' 79' .20' 208D' 73' .20' C : 0575 ' <27

6.89D6 ?' 49' C4"4.85@' =76.AC0 ' 27"D49B' 8' B"7 ; 0' ' [>' !

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89D' 6 : 085/' 49' .2S 0105BA0' !* ' 9' B7"D' 89D' 64"?05 73 96.89.490'' 9' .20' 0105BA0' 73' 67C0 ' %'' 75' 7.205' "0..056*

'' '' '' # '' F ' . ' + ' 6 1 A""E38=0D' 58D48.0D' 208D' 73

.20' 99' 6A5C7A9.49B' .20' 275606' 73' 8' SA8D54B8'' ; ?0560' 73' 60=79D' ; 5866' 73' A50"489'' 20' 50?0560' 508D6' * o! ' ! ' " ' 20' C : 0575' 68=5434=49B'' 9?.20' 0105BA0' 6*

F 1 00' & o ' " ! & 1 00', ' F

'' 289=0 ' 75' 75.A90* 1 ' D0985496' 73' .20' # ' 38C4"@' MB4?09' 49' 750 N : 50609.6?' 79' 790' 64D0' 8' 30C8"0' 208D ' 89D' 79' .20' 7.205' ? .20' 28"3E"09B.2' 34BA50' 73' 8' @7A9B' <7C89' M<2760' 90=F' 46' 8D7590D' <4.2' 8' =7 85N ' 89D' .20' : 0D06.8'' <24=2' .246' 30C8"0' ; A6.' 506.6' A : 79' 46' 496=54 ; 0D' <4.2' .20' <75D' F .' 57A9D' .20' .@ : 0' 46' '' #'' '' " ' # ' ' %' 6?*='' *L

20' #7C896' M86' '' 4""49' 7 ; 605?06N ' 97.' =79.09.' <4.2' 50=04?49B' &7D6' 357C' .20' &500F6 ' 357C' .20' B@ : .4896 ' 89D' 0?09' 357C' .20' 0556496 ' A9D05.77F' .20' 4C8B498.4?0' .86F' 73' D043@49B' .20' ' .20' 0 ' .20' $$ ' 73' .20' C49D'' 9D' .2060' .20@' 28?0' 50 : 50609.0D' 2@' ?8547A6' 8..54 ; A.06' 79' C79AC09.6 ' : 549=4 : 8""@' C0D8"6'' C79B' 6A=2' ' D4?494.406' <86' .246' : 05679434=8.479' 73' F ' M=289=0' 75' 28\85DN ' <24=2' 286' ; 009' 67C0.4C06' =7937A9D0D' <4.2' 06.49@' 75' 8.0* 1 .' 9.49C' 89D' 560906.0' <050' .<7' C76.' =0"0 ; 58.0D' .0C : "06' 73' 375.A90'' 20' ! ' ' 850' 8"508D@' 97.4=0D' 49' .2045' : "8=0 ' 86' 8 : : 08549B' 79' 8' 64"?05 =749' S3' .20' 6 ' 38C4"@'' 20' : 50609.' D0985496' C8F06' 8 96479' .7' 8 ' 64C4"85' : 40=0' 73'' 6A : 056.4.479' =8"" ' .20' F ' # ' <24=2 ' 4.' 600C6 ' <050' ' '.8 ; "0.6' 73' 78F' 496=54 ; 0D' <4.2' 609.09=06' 73' 89.4SA0' <54.49B ' 89D' 62A.' A : ' 49' 8' =86F0.' 73' 7"4?0' <77D'' .' <86' ; 0"40?0D' .28. ' A9D05' .20' 60=50.' BA4D89=0' 73' .20' B7DD066' 75.A90 ' F ' D50<' .2060' "7.6' ; @' .20' 289D' 73' 8' =24"D ' 89D' 4.' <86' 6A : : 760D' .7' "0859' 4.6' 38.0' 2@' .20' 50D49B' 73' <28.' 986' <54..09' 79' .20' .8 ; "0.6' ; @' 790' 73' .20' C4946.056' =8""0D' ' 75' 375.A90E.0""056*

' 8' : "0 ; 0489' 38C4"@* 1 20' =7496 ' 4524=2' 850' 73' 60=79D' 89D' .245D' ;5866 ' 0124 ; 4.' .2500' ?8540.406'' C79B6.' .20C' 850' : 40=06' ; 08549B' .20' 208D' 73' 85F' 9.79@* 1 20' 37""7?549B' 733056' 8' 50?0560' 73' 246.754=8"' 49.0506./ 1 =' 6764?6' ' #' ' C8"0' 89D' 30C8"0' =8 : .4?0' 64..49B' 8.' .20' 377.' 73' ' .57 : 2@*

246' 6C8""' C0D8" ' 49' ; 579\0 ' =7CC0C758.06' .20' ?4=.75@' B8490D' ; @' 9.79@ ' 49' .20' @085' ?*=*?' , ' 7?05' 9.4B79A6 ' ' 49B' 73' KAD008 ' .20' "86.' 73' .20' 58=0' 73' .20' 6C79089B ' <27' 28D' 50.8490D' .20' F49BD7C' , > ' @0856* 1 20' ' ' <2760

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98C0' 8: :0856' 79' .246' =749' 86'ß F ' <86' # =8.0D' 8' .0C :"0' .7' 205' 279795' 9085' .20' 4;75# 9.79@L6' 40A.0989.' 49' @548' 89D' 609" ;@' 24C' 20' :05679434=8.479' 73' 7:0' 8: :0856' 79' 67C0' M86' K76= 2496' 49375C6' A6' ,# I45# =# , N .7' 86646.' 89=409.' 6=9": .A506' ;A.' 4.' 46' CA=2' C750' 350G 057D' 49' .8F49B' .20' B7?059C09.'357C' 9.4B79A6' SA09."@' 6009' 34BA50D' 79' C0D8"6' 73' .20' C :0548"' 8==S5D49B' .7' .20' D0=500' $' .20' 6098.0# 2060' 605406' 6.5A=F' 8.' .20' ;0B49949B' 73' 8' :549=0L6' .<7' B09058"8' 28?49B' ;@' .2045' A94.0D' 375=06' 504B9' 49D4=8.49B' 04.205' .20' 38?7A58;"0' 89.4=4: 8G B8490D' :766066479' 73' K05A68"0C' 9.4B79A6' 695R .4796' <24=2#.20' :07:"0' 09.05.8490D' 73' 24C' 75' 509D050D' 24C60"3' .7' 764A6' <27' 609.' 24C' .7' .20' 0I :0=.8.4796' <24=2' 20' <4620D' .7' 58460' 50G 9.79@' 8.' 9.47=2' <2050' 20' <86' :A.' .;' D08.2' 6:0=.49B' 24C60"3# 20' 46' 73.09' 0I24"A.0D' C4' ;049B' .20' 3456.' F49B' <27C' .20' #7C896' 28D' 0?05' C0D8"6' 73' .20' ' 75' 8D7: .0D' 20456' .7' .20' ;0208D0D# 9D' .2A6' <86' . ;' =5A0"' =755A: .' C :0548"' .25790' ;0=8A60' 205' 493"A09=0' 46' :0=AG 89D' "7<E;7C' 057D' =79345C0D'49' .20'67?0504B9.@' "485"@' 6.579B' 7?05' @7A.23A"' C49D6*1 F+ ' 46' 73' K9D r 8' 89D' 89' 09D' :A.' .7' .20' 4""A6.547A6' 75D49854"@' 50:50609.0D' 49' .20' 628:0' 73' 8' @7A9B' 6C79089' 38C4"@# # ! <7C89' 6.89D49B' 75' <8"F49B' 27"D49B' 49' F + 1 00' F + ' 0 205' 54B2.' 289D' 8' .09D05' 3"7<05' 375' <2050' 8' | *1 ' ;5866' =749' 73' 8A6.498' 609475' 3"7<05' 8: :0856' .2050' 46' + ' 73'$ ' .7' =7C0' ;08549B' .2060' 641' "0..056' 37""7<0D' ;@' .20' 05"03.' 289D' 46' 9698""@' 0C :"7@0D' 49' "43.49B' A:' 6098.7548"' 8A.209.4=8.479' 6*=*' 89D' 28?49B' 375' .20' 6F45.' 73' 205' 60C4E.5896: 8509.' 57;0# 7C0G 4.6' 50?0560' .@: 0' 0506' 6.89D49B' 9' 8' B"7;0' 89D' .4C06' 620' 27"D6' 49' 205' "03.' 289D' 8' =794A07: 400' 27"D49B' 8' .75=2' 49' 08=2' 289D' 46' B4?09' 49' .20' <4.2' 7.205' 6@C;7"6' C85F49B' .20' ;09034.6' 89.4=4G = 5' ' = ' 86' 357C' .20' =7""0=.479' 73 :8.0D' 357C' 205' 9' 8' ;5866' =749' 73' 59696' # 28C4""85.# .' 46' 8==D42: 8940D' ;@' ?8547A6' 609475' .20' <75D' # ' 6.89D6' 8"790' 4.' <86' <4.2' 8..0C: .6' 8.' 49.05: 50.8.479 1 .20' : 57DA=.4796' 73' "8AD476' .28.' .20' :58=.4=0' ;0B89' 73' 8DD49B' .20' 86' C89@' "0850D' <54.056' 0 <2760' =793"4=.49B' <75D6' # 75' ?70+' 75' = ' 75' * # 75' 7: 494796' #86=20' 286' <4.27A.' =7CC09.' 50G # 4=# ' =*' 8""' 05?49B' 50G =8: 4.A"8.0D' ' ;A.' 506: 0=.49B' <24=2' 79' 8==7A9.' 73' 6:0=.4?0"@' .7' D064B98.0' .20' 7==86479' 375' <24=2' .2045' 385E30.=20D' 0I.58?8B89=0' 75' .2045' "AD4=57A6' 620' 28D' ;009' =27609' 86' 89' 8: :57: 548.0' .@: 0* 1 ' 8; 6A5D4.@' 67?654' 46' 0?4D09."@' =F20" 68@6' 89' 84 8A.' B4?06' 8' 64""?05 =749' 73' 06=0994A6' 4B05' A928: :@' ;"A9D05' 73' 67C0' =850"066' C49.EC86.05' ;08549B' 79' 4.6' 50?0560' .20' "0B09D' $ ' # ! 64C4"85' 496.89=06' 73' <24=2' 850' 97.' 99350 09.' 79' <4.2' .20' .@: 0' 73' .20' B7DD066' <8"F49B 1 40057' .20' 50?05606' 73' #7C89' =7496* 7: :7606' .20' 300"49B' $' ' +' ") ' + % # ' #7C89' :5097C09* 1{ ' *' F+ ' .7' .28.' 73' DO6: 845' 49' 8""' 2AC89' 8338456* 1 9D' 1 9' =7496' 73' .20' b ' 38C4"@* "A.85=2' 50C0C; 056' 89' 8".85' 8.' #7C0' 496=54; 0D' # xX% ' ! ' * ' F+ 1 &C.05' SA7.06' 8' C85; "0' F+ ' D054?0D' 35759' F+ ' 8' :576: 0=. ' 496=54; 0D' $ ' # ! / j4.' 46' 7; 6057?8; "0' .28.' 46' .7' 68@' 8' ?40<' 357C' .20' 6ACC4.'73' 8' :"8=0' .28.' 79' =7496' 73' .20' "7<05' 0C: 450' .20' 085"@' <209=0' 89@.249B' C8@' ;0' 6009' 8D?89.8B07A6"@' 8.' 4C8B0' 73' 7:0' 97' "79B05' 8: :0856# 20' "0B09D' 8' D46.89=0* 1 2A6' 8' =7275.' 73' .246' D06=54: .479' F+ '6 +) '73'K20' C :5066' 8A6.8' 286' 375' "F+ ' ' % <86' 06.8; "4620D' ;@' # 4.6' 8==7C: 89@49BO@: 0' 8' <7C89' 6A=F"49B' .<7' 9.79@' .28.' .20@' 357C' 89' 0"0?8.0D' : 85.' 73' 246' =24"D509' 89D' .200' F+ ' * '73' 8B9A6' 624: 6' C4B2.' 0I: "750' 89D' 8=.' 86' 609.5406' 75' 8I4CAC' .20' B8.0' 73' .20' 5.0.75489' =8C: * <8.=2C09# 2050' <050' 7.205' 8==0: .8.4796' 73' F+ ' 8: :0856' 49' .20' 375C' 89D' <4.2' .20' .20' (75D' 69=2' 86' 6: 406' 89D' 0?09' 0I0=A.479056* 8..54; A.06' 8; 7?0' D06=54; 0D' 79' =7496' 73' "8AD4A6' F+ ' A9D05' .20' 085"@' 0C: 05756' <050' 06: 86489' 8D5489' # A50"4A6' 7CC7DA6' :9; "4.' 8..09D89.6' 79' .20' :05679' 73' .20' <5449=0' ' 06=0994A6' 4B05' "; 4976' # 0?05A6' 958E' *49' 0330=. ' 246' ;7D@' B9855D# .27' <86' 8..09D0D' =8""8' &0.8' 48DAC09489A6' "8B8; 8"A6' "0I# ;@' 89' 06=75.' 73' .246' F49D' ' <209=0' 4.' 46' .28.' 0?0576' 24"4: ' 609475' 89D' A9475' 050994A6' 8=4.A6' =79 7496' .20' + ' ' <4.2' .20' 76.4""489A6' fC4"48996' &8""40996' 76.9CA6' + ' 9D' 375' .20' 68C0' 508679' 8"67' 0.54=A6' 609475# %A40.A6' "8AD4A6' &7.24=A64' 49' 496=54: .4796' 79' C85; "06' .20' "8..05' C8@' 350G 8=4.A6' 57; A6' 858764A6' ""00.A6' KA"48976' SA09."@' C' 6009' =7CC49B"0D' <4.2' .20' 375C05' 86' * '8"096' S *1 20' 37""7<49B' 850' .20' C76.' 9# 4"*' *1 9' 8' D09854A6' 73' # 5850' 73' .246' "0B09D' 89D' 4.6' .@: 06 1 9.79@' .20' ' + ' 0?4D09."@' # ' 1<1 ' " / 7:0' <8"F49B' 50"8.06' .7' C854.4C0' 8338456' 86' .20' C4"4.85@' <4.2' 3"7<05' 49' 54B2.' 289D' 89D' "03.' 58469B' 205' 6.89D85D' 34I0D' 79' .20' :57<' 73' 8' 624:' 605?06' .7' .A94=' ;0249D' 86' 43' .7' D4609B8B0' 205' .54: :49B' 49D4=8.0' .7B0.205' <4.2' .20' :5m.75489' B8""0@' 89D' 377.6.0: 6' 357C' 4C: 0D4C09.* .20' .54AC?45L6' 98C0' 79' .20' 7; ?0560' 73' .20' =749# 246' .@: 0' 73' :06' <24=2' ;0=8C0' 83.05<85D6' * 1 00' ' ' (K3* 67' =7CC79' 79' =7496' 73' .20' C: 0548"' C49.' 1 20' 89=409.6' <75624: :0D' * + ' B6' 8' 8: :0856' 3 5' .20' 3456.' .4C0' 79' 8' "85B0' ;5866' 73' D4?494.@# 20' 28D' 205' .0C: "06' 89D' 205' 8".856' "8AD476# 57C' 7.205' ;579\0' C0D8"6' 28?49B' ;A.' 97.249B' 46' 684D' ;@' 7"D' <54.056' 86' .7' <28.' .20' 68C0' "0B09D' ; 9.' <4.2' D4664C4"85' .@: 06' 86' ?4=.4C6' <050' 68=5434=0D' .7' 205# 4?@' 6: 08F6' <0"" 86' 357C' 89' 496=54; 0D' C85; "0' 4.' <7A"D' 600C' 73' .20' 205;' C85F0.' "777 ' ¼' 8.' #7C0' .28.' "8AD4A6' <75624: :0D' 7:0' 86' 8' 38?7A54.0' 86' 790' 73' .20' :"8=06' <205S' .246' B7DD066' 28D' 8' D4?494.@' 89D' 79' 246' 94D8"# D8@' C8D0*?7<6' .7' 205' .0C: "0' ' 89D' 20' 8"67' C8F06' C09.479' 73' .28.' 2797A5* <24=2' A; "4A6' 4=.75; 94".' 49' .20' 60?09.2' 50B479' ' & *# * *1 7:0' 89D' .2500' 73' .20' =4.@# 20' =09674# # A 4A6' 8"67' D0D4E 67"D4056' 6.89D49B# 2' 3456.' ;5866' 73' 06: 86489*

y

[;5086.6 73 .2060 @7A9B :549=06 08=2 2045 73 89 0C:0575 ;049B 50B85D0D "4F0 85=0""A6 ;@ 45B4"" F+ * 48DAE C09489A6 46 C8D0 ;@ 8C:54D4A6 .7 68@ .7 .20 67"D405@ 73 246 38.205 8=549A6 ,)) * 1 7:0 8D?89=49B .7<85D6 .2500 C4"4.85@ 34BA506 01.09D6 49 D405 54B2.

^ 47990.' 89D F05C89 ;7.2 50=7B946 .20 B09A4909066 73 .246 3490 =749 73 <24=2 8 05E =8C:' 286 B4?09 89 09B58?49B 7C .20 A6 2546.4960*$ 20 "86.E98C0D'89.4SA85@.2A6=7C C09.6 7..' .20 .@:0 (A 06:86489 28D ?05@ CA=2 B508.05 :50.0964796 .7 .20 0C:450 89D 8 ;0..05 37A9D0D 27:0 375 6A==066 49 246 09.05:5460 .289 C89@ 73 .2760 <27 28D :50=0D0D 24C 9 38=.' ;03750 246 8==066479 .7 .20 .25790 20 28D 990SA4?7=8""@ D46:"8@0D .20 ?45.A7A6 SA8"4.406 06609.48" .7 .20 =2858=.05 73 8 B508.' :549=0 75 D4D 20 D468::749.' .20 24B2 01:0=.8.4796 09.05.8490D 73 24C 75 .246 508679 ??76 1 9BA6.' 7:0 <86 8D7:.0D 86 .20 .@:0 73 .246 C0z8" 89D 0 B7DD066 46 50:506 609.0D A9D05 .20 375C 73 8 30C8"0 ="7.20D 49 "4B2.' D58:05@ <27 :50609.6 205 54B2.' 289D .7 .20 3750C76.' 73 .2500 67"D4056 ;0=8A60 06:86489 28D 86646. .20 50:A;"4= <4.2 246 ?4=.7547A6 "0B4796 89D .2050 <86 .20 6.579B06.' B57A9D 73 27:0 .28.' .246 <85"4F0 0C:0575 <7A"D 50E06.8;"462 4.' 79 8 345C 37A9D8.479*UQ & 89D ** *E 7:0 <4.2 4.6 8==A6.7C0D 8..54;A.06* 1 4"?05 73 ";49A6* 1 9 5030509=0 .= .20 375C05 73 .2060 496=54:.4796 84""89.' 50C85F6 .28.' 79 =7496 73 .20 - 7:0 <86 0I24;4.0D =2403"@ .7 49D4=8.0 .2760 8C79B6.' .20 375C05 <27 <050 8=.A8""@ D064B98.0D 86 6A==06675 .7 .20 504B949B :549=0 ;A.' 86 .20 285?06.' 73 0C:450 <86 6.4"" 49 0C;5@7 .20 B7DD066 46 :4=.A50D <4.2 W 3"7<05 :75.09D49B 35A4.' .7 .20 :"89.' 49 4.6 C8.A54.@* * 1 7:0 6.89DG 49B 49 205 A6A8" 8..4.AD2* 20 0"D05 24"4:' 790 73 <2:60 64"?05 =7496 ;0856 .246 50?0560 83.05 28?49B D790 0?05@.249B 49 246 :7<05 .7 =79=4"48.0 .20 #7C89 6098.0 89D :07:"0 49 38?7A5 73 246 A6A5:8.479 89D <200D"0D 24C60"3 49.7 .20 67"D4056 B77D B58=06 ;@ 246 :573A60 "85B06606 2050 49D4=8.06 246 27:0 .28.' .20 <75"D A9D05 246 6<8@' <7A"D 09 7@ 28:G :49066 20 =7CC09=0C09.' 73 246 504B9 46 .20503750 =8""0D F+ $) # * 1 7:0 <8"F49B* 1 246 9996A8" "0B09D 8::0856 3A5 .20 3456.' .4C0 S9 64"?05 73 06=09A496 4B05 :A;"462D ;@ &066905 357C .20 38A =8;490. 4.' 46 83.05<85D6 37A9D 50:08.0D ;@ .20 C49.' 73 0?05A6* * 1 7:0 6.89D49B* 1 4"?05 73 48DAC09489A6* 1 7:0 86 B7DD066 73 @7A.2 M68@6 84""89.N' 46 50:50609.0D 79 .20 =7496 73 606856 86 43 375 .20 :A5:760 73 0I=4.49B .20 300"49B 73 &77D 7:0 "* F+ % 49 .20 289D .7<85D6 .20 3750C76.' 89D :549=4:8"' <27 ! C8@ ;0 =7964D050D 86 .20 0C:0575 24C60"3' 8 34BA50 73 4=.75@* 20 7;?0560 0I ";4.6 .20 "8A508.0D 208D 89D;A6.' 73 "0I89D05 0?0C6 49 85C7A5' 49 246 "03.' 289D 20 27"D6 8 ;8.79' 49 246 54B2.' 8 34BX450 73 4=.75@ ;08549B 8 .57:2@* 5866 C0D8""479 49 .2t =8;490.' 73 5* #78=2 C4.2* * 1 7:0 <8"F49B* 1 =749 73 =C4"489A6 49 .245D ;5866 M:A;G "4620D ;@ 89IDA54N' ;08549B .246 "0B09D 89D .@:0 46 50C85F8;"0 79 8=0799.' 73 .20 6* =* ;049B 899010D .2050.7 83.05 28?49B 376 8 "79B 49.05?8" ;009 8"C76.' <27 @ D46A60D* 20 68C0 8"67 8::0856 79 8 5850 89D 0"0B89.' S9498549 6 73 &8""409A6* 246 =749 <86 6.5A=F <209 .28.' 0C:0575 <86 :57="84C0D + ;@ 246 38.205* 1 84""89.M .* 44* H aN 68@6 73 .20 .@:0 89D "0B09D .28.' .20@ A94.0 49 6ABB06.49B .7 .20 :07:"0 .7 :"8=0 .2045 345C 384.2 97.' 49 .20 7"D 8B0 73 8"05489 ;A.' 49 .20 @7A.2 73 &8""409A6 .7 <27C F+ B4?06 :57C460 73 8 "79B "430 89D 8 28::@ 504B9* 1 T 7:0 .7"D 8 3"8..0549B .8"0U 49 .246 =860* * 1 605:09 79 <24=2 6.89D6 .20 "8;859C 496=54;0D <4.2 .20 C797G B58C 73 2546.* C8"" ;5866 73 796.89.490* * 1 34BA50 49 C4"4.85@ B85;6.29D6 <4.2 54B2.' 289D 58460D 7::764.0 .7 <24=2 6.89D6 8 30C8"0 <4.2 3"7<05 49 54B2.' 289D =* 8 6.85 ;0.<009 .20C* 1 9 8 5850 89D 0"0B89.' 64"?05 =749 73 8"794996* 2050 <0 600 7:0 .20 A6A8" =7C:89479 73 .20 006856 :50G 609.49B 20560"3 .7 5D7949A6 <27 46 ="7.20D 86 8 67"D405 .7 D097.0 246 28?49B A6.' 0C;85F0D 49 8 85E <4.2 .20 49=A564?0 ;85;854896* 20 B7DD066 27"D6 7A.' 8 3"7<05 .7 .20 @7A9B :549=0 86 43 .7 866A50 24C 73?4=.75@* ' # * 1 7:0 <4.2 205 A6A8" 8..54;A.06* 1 9 8 64"?05 =749 73 "8B8;8"A6 <27 46 2050 ;@ 8" <50.=20D :40=0 73 3"8..05@ C8D0 .7 8::085 <24"6.' B57?549B A:.7 ;0 A9D05 7:0L6 B77D 89D :05:0.A8" 493"A09=0* F+ * + 46 3456.' 37A9D 79 64"?05 89D ;579\0 73 858=8""8 <2760 =79DA=.' 89D D46G :764.479 357C 246 ;7@277D A:<85D6 8"67 B8?0 .20 "40 :05:0.A8" .7 6A=2 8 =7C:"4Ck9.*

:57=00D6 .7 86=54;0 .20 =748 .7 F) 8 .7<9 4"" 8C:8948 8.' .20 ;7..7C $ .20 ;8@ ;0.<009 8:"06 89D 75509.7 97< (85D7A49 "1+ S :# , ,N D4?4D06 357C ·· :57306649 z .7 ;0"40?0 .28.' .20 790 C0896 .8;"60 89D .20 7.205 7? "8# 0 B706* 79 .7 =8"" .20C ++ .<49 .7<96 49 8C:8948 8DD49B .28.' F) '46#27< ' F) ;0.<009 .20 C7A.2 73 .20 54?05 8C7 89D 75509.7 89D .28.' * <86 8C79B6.' .20 =4.406 73 8C:8948 79 .20 627506 73 .20 0D4.05589089# =F20" # <27 £86 <0"" 86 84""79.' M '44# *N#:"4F06 . 8 =749E49 .20 "46.!# 73 68@6 83.05 SA7.49B .20 8;7?0 7:49479 73 85D7A49 T 28?0 C@ D7A;.6 <20.205 .246 0I:"898.479 73 .20 094BC8 <4"" ;0 D00C0D 68.4638=.75@ 8.' .20 q<0609.' D8@ 375 20 :50?84"49B 4C:506647 9:7< 46 .28.' 357C .20 .4C0 <209 .20 6A:50C0 :7<05 73 #7C0 <86 ?06.0D 49 .20 0C:05756 .20 =4.406 *73 .8"@ 8.' "85BO 8;6.8490D 357C 6.54F49B 6A790@ 9D .209 8B849 27< =89 85D7A49 68@ .28.' 7?4""8 46 8 .7<9 73 8C:8948 <209 49 :749.' 73 38=.' 4.' 6.77D 49 8.4AC 89D 9085 #7C0zU 1 =F20" M?44 :# >H N 779="9D06 246 97.0 79 .20 "0B09D 49 SA06.479 ;@ 50305549B 246 508D056 .7 8 =749 6.5A=F A9D05 50;7948AA6 8""A6 <24=2 ;0856 .20 <75D6 ' ı 86 .257<49B "4B2.' 79 .20 6A;0=.# 9 .28.' :85.4=A"85 =860 M600 .20 <75D6 .20 094BC8 600C6 3835"@ 67"?0D ;@ .20 5086798;"0 =79 0=.950*73 0""0549 ;A.' .20 54DD"0 $ 50C8496 86 D85F 86 0?05 89D 600C6 ;8"D"@ <75.2 .20 :8496 73 ;049B 54B2."@ BA0660D* F *1 9 C89@ 77496 .20 34BA50 73 8 6.85 2866030509=0 .7 86.57"7B@# .' <86 8"67 8C79B .20 8B89 #7C896 8 6@C;7" 8""A64?0 .7 0.0594.@ 75 .7?=7960=58.479 M600 .2760 O75D6N# .' <86 "4F0 <460 8 64B9 73 B"75@# .' 350SA09."@ 46 A60D 86 8 C49.EC85F# 064D06 8:.:08549B 79 9C9057A6 C0D8"6 73 =4.406 89D F49B6 4.' 46 37A9D 79 60?058" =7496 73 #7C89 38C4"406 6A=2 86 *$"48 SA "48 89"48 8:4548 75.48 #A6.48 00 F 8:.:0856 ;0375 0 .20 208D 73 856 79 8 =749 73 .20 6 38C4"@ ;0=8960 .20 @085 <86 ;0"40?0D .7 ;0B49 <4.2 .20 C79.2 <24=2 .77F 4.6 98C0 357C .20 &7D 73 ?(85* F 850 6009 79 67C0 790 =749 75 7.205 73 9085"@ 8"" .20 0C:05756 357C KA"4A6 60685 .7 KA6.49489 89D 0?09 6. " 3A5.205 D7<9 .20 605406* 79BE28450D F M .0""8 5494.8N 75 =7C0.' 8:.:0856 79 D09854 73 ABA6.A6 50305549B .7 89 0I.5875D4985@ C0.075 6009 4CC0D48.0"@ 83.05 .20 D08.2 73 KA"4A6 .0685# 246 =7C0.85@ 64B9 46 :"8=0D 79 67C0 C0D8"6 ;0249D .20 :75.584.' 73 .20 CA5D050D D4=.8.75 5 7==A:406 .20 50?0560 64D0 73 .20 C0D8"* F A9D05 .20 208D6 73 05=A5@ 89D 05G =A"06 79 =7496 73 06:86489 M '20"" HHEH N* 1 <4.249 8 =506=09.' C779 86 49 7C4.489 58 89 # 0?05A6 89D 858=8 8* 1 ;@ .20 64D0 73 89 0C:0575 68=5434=49B 86 49 "8B8;8"A6* .6 350SA09.' 7==A5509=0 79 .20 =7496 73 .246 C:0575 <86 8667=48.0D <4.2 246 @5489 ;45.2 89D 7"34=0 86 :5406.' 73 .20 6A9 8.' $C068*ERE 00 4C85D F :# HaaE > * F 8:.:0856 7::764.0 .20 :05679434=8.479 73 .20 A9 9 o! ! " A 86 49 # 0?05A6 "8B8;8"A6 8""409A6 8I494.34A6 "48\8 4=494A6 609475 89D 796.89.49A6 * 1 ;0.<009 .<7 C4"4.85@ 34BA506 <4.2 o ·· 86 49 207D76486 * 1 ;@ .20 64D0 73 75.990 86 49 796.89.496 2"7C6* 1 ;03750 .;0 34BA50 73 4 86 49 4=494A6 609475* 1 8;7?0 .<7 0C:05756 6.89D49B <4.2 7490D 289D6 86 49 207D76486 A9* 1 46 6009 7?05 .20 + M894C8N 73 796 6.89.490 .20 &508.' D58<9 49 8 SA8D54B8* 1 49 8 =57<9 73 "8A50" 79 =7496 73 796 6.89.490 89D 796.89.496 * F 89D ' 89:085 79 =7496 73 79E 6.8A.49A6 8BC46 8"67 73 "80=4""8 <430 73 207D764A6 89D *p"48 AD7I48# "67 79 K446.49489A6 # 89D 7.205 C0D8"6 73 .20 @\89.490 605406* F 8. .20 ;8=F 73 09A6 86 49 8 =749 73 70C486*1 00 1 A9D05 06.8 608.0D* 1 M 20"" F + E [*N 1 9085 .20 34BA50 73 4=.75@ 86 49 A5="489 8"09.4989 * 89D &58.489* <7 F 7?05 .20 ;7990.0D 208D6 73 .20 476=A54 <27 850 D46.49BA4620D .2A6 86 73.09 86 .20@ 850 50:50609.0D 79 =7496 75 7.205 89=409.' C79AC09.6* 1 00 # 89D# 1 7?05 .20 208D 73 8 ;A"" 86 49 KA"489 .20 :76.8.0* 1 00 F 6 +) 1 A9D05 <24=2 A:4D 64.6 79 8 D7"":249 86 49 64"?05 73 ABA6.86 496=54;0D # = * 1 8;7?0 .20 <7"3 <4.2 #7CA"A6 89D #0CA6 89D .20 0:4B58:2 $$ * 79 =7496 73 796.89.490 .20 &508.* 4I F 79 8 B"7;0 79 <24=2 8A6.498 46 608.0D <4.2 0:4B58:2 1 6A557A9D49B .20 34BA50 73 KA:4.05* 1 00 " 754 &* 1 8C4D6.' <24=2 8 98F0D =24"D 64.6 79 8 B"7;0 8:.:085 79 8 64"?05 =749 73 7C4.4""8 <430 73 7C4.489* 0?09 F 09=7C:86649B ABA6.A6 49 8 =28547.' D58<9 ;@ 0"0:289.6 86 79 =7496 73 8"4BA"8 89D "8AD4A6* 1 857A9D .20 34BA50 73 8A6.498 609475 79 8 =7960=58.479 =749 73 .28.' 0C:5066* 4I F 6A557A9D49B 8 =506=09.' C779 8:.:085 79 =7496 73 60?058" 38C4"406 89D 79 67C0 73 ABA6.86 8D5489 8A6.498 609475 8A6.498 A9475# 0:.# 0?05A6 89D KA"48 7C98* F 79 #7C89 4C:0548" =7496 67C0.4C06 605?0 .7 D46.49BA462 34BA506 86 .2760 50:50609.49B .20 =24"D509 73 504B949B :549=06 89D 49 7.205 496.89=06 .2045 D0=0860D 7336:549B 50=04?0D 49.7 .20 589F6 73 .20 B7D6 89D :"8=0D 8C79B6.' .20 6.856 F K 6:2050 79 <24=2 6.89D6 8 :2709 I 8:.:0856 79 8 =749 73 796.896 1 00 % o # # 1 79 <24=2 6.89D6 89 08B"0 79 8 =7960=58.479 C0D8" 73 # 05A6* 1 79 <24=2 .20 0C:0575 46 608.0D 375C6 .20 .@:0 73 8;579\0 C0D8""479 73 "0I # 0?0576# 1 00

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CA=2' 86' C09'=7A"D' 97.' <4.2' 89@' D0B500' 73' :57G :540.@' <085' 4.* 1 20' 30C8"0' =7""7946.6' 73' 9.47=2' A60D' .20' ' 79' <24=2' 8==7A9.' .20' &094A6' 73' .28.' ' 7C8A' =4.@' 8: :0856' 79' 4.6' =7496' ' M 84""89.' ' '44#' :* N* 1 20' &094A6' 73' .20'=7"79@' 73' 4D79' 46' 8"67' :056794340D' 86' ' ' 83.05' .20' #7C89' C89905*

* 1 A598C0' 73' .20' 4=4948' 38C4"@* 1 9' 3456.' 89D' 60=79D' ;5866' =7496' 73' ABA6.A6' <0' 508D' :* ' ' ' ' ' :' ? 1 "67' 9·D0G 9854# 73' .20' 68C0' 0C: 0575' 46' .20' "0B09D' (o ' ' 1 20' 8: 0I' ;0.<009' .<7'89= 48* ^ ==75D ' 49B' .7' 855s' 790' 73' .246' 38C4"@' <27' 86' .54 ; A90 ' =8A60D' 8' "8< .7' ;0' :8660D' :5724 ; 4.49B' 89@' #7C89' =4.4\09' 357C' 28?49B' C750' .289' 34?0' 8=506' 73' "89D' <86' =8""0D' F ' 79' 8==7A9.' 73' .20' 0I .50C0' =850' <24=2' 20' .77F' .7' 28?0' 8"" 6A=2' 6A=F056' 89D' 7.205' A60"066' 7336277.6' 577.0D' 7A.' 357C' 246' "89D' 86' C4B2.' 49=79?09409=0' 246' 385C49B' "8 ; 7A5056*Q

* * #* F ' 1 * * #*' 75' * * #* ' 8 ' * 1 20' C49.' C85F' 73' C790@' =7490D' 8.' 50?06*

* F) 1 A598C0' 73' .20' 7".048' 89D' 7C: 048' 38C4"406*

F) ' M85.4=27FON' 75' ' + ' M8: : "0' 73' .20' : 490' .500N* 7C0.249B' .28.' ; 750' 5060C ; "89=0' .7' 08=2' 73' .2060' : "89.6' <86' 89' 0964B9' 73' .20' 1 9' 8' B7"D' =749' 73' "8AD4A6' 8: : 0856' 8' .54AC : 28* SA8D54B8' 49' <24=2' 46' 04.205' .20') ' 75' .20' ' + ' 49' .20' 577C' 73' 8' 2AC89' 34BA50*

F ' * 1 ' : 4"0' 73' 85C6' ' .20' 64B9' 73?4=.75@ B8490D* 1 00' ' & #'8649' 7C4.489' ' & #* . ' 86' 49' 946A6' 609475' * A50"4A6' 89D' 7CC7D446' ' ' & # ' 86' 49' ABA6.A6' ' ' # 83JR' 86' 49' * A50"4A6*

F 1 9' 76.54=2' 8: : 0856' 79' 8' =749' 73' .20' 8 ; 48' 38C4"@' 86' 8' 6@C ; 7"* 73' 354=8* 1 9' 8' D09854A6' 73' .20' 7590"48' 38C4"@' .246' ; 45D' 6.89D6' ; 0.<009' 8' : 8"C' 89D' 8' ; 589=2' 73' "8A50"*

* 1 * F) ' 6A ; DA0D* 1 00 ' ' 86' 49' * A50"4A6*

F) ' ' "8.0D' C790@*EEEE 246 6 : 0=406' 73' 38"60' =749' =79646.0D' 73' ; 5866' 75' =7 : : 05' =7?050D' 7?05' <4.2' 8' .249' =78.49B' 73' 64"?05' "083' ; 7.2' C8.0548"6 ; 049B67' D0I.057A6"@' A94.0D' .7B0.205' 86' 350SA09."@' .7' ; 83""0' D0.0=.479' 0I=0 : .' ;@' .20' =749' 4.60"*3' ; 049B' =A.' 49' .<7* 246' D06=54 : .479' 73' =7A9.0530 4.49B' =7CC09=0D' 8C79B' .20' #7C896' M68@6' K7 ; 05.' 4* >N' DA549B' .20' .4C06' 73' .20' 085"@' =796A"6' 89D' <86' 50?4?0D' 8.' .20' : 0547D' 73' 9B96.96L6' .54AC?458.0* .' 46' 8.' .20' 68C0' .4C0' 89' 4"38""4 ; "0' : 5773' 73' .20' 89.4SA4.@' 73' .20' C0D8" ' 89D' 0?09' 73' 4.6' 5854.@' ' 375' 86' 750"" 7 ; 605?06' 86' 6779' 86' .246' 6 : A547A6' =7498B0' <86' D46=7?050D' .20' D406' <050' ;57F09' 89D' .20' 38 ; 54=8.479' D0G 97A9=0D' A9D05' .20' 208?406.' : 098".406' ;@.20' 6.8.0* 1 00' # ' ' 88D' = 8 ' ! = F) ' * * 1 0=' ' 38C4"@*

F) + '"' % 1 0..056' 75'=2858=.056' A9D05E<54..09' <4.2' <24=2' =7496' 73' 8"8.0' 8B0' 49' .20' C : 0548"' 60540 6' 850' 3A594620D' 3456.' : 50609.' .20C60"?06' 49' .20' 504B9' 73' &8""40996* 1 7C0' 27<0?05' 850' 7 ; 605?0D' 79' 64"?05' 73' 24"4 :' 609* ' 89D' .8=4"48' 0?058' 246' <430* A.' 4.' 46' 99D05' &8""40996 .28.' .246' A68B0' 46' C750'=085"@' 3799D' .7' 28?0' =7CC09=0D' / 375' 79' 246' =7496' 850' 09B58?0D

* 1 * =05.849' 9AC058* "0..056' 04.205' &500F' 75' 8.49' : "8=0D' 67C0.4C06' 49' .20' 340"D' 73' .20' C0D8"' ?4* 4* ' * 75' * 75' * 75' * ' 86' 49' 6C8"" ; 5866' 73' 8=4.A6' 8.' 7.205' .4C06' 79' .20' "7<05 : .85.' 73' .20' =749' ?4* ' * * ' =* ' 86' 49' 6C8"" ; 5866' 73' 57 ; A6* 2060' A9D05E6.5A=F' =2858=.056' 850' 8"67' 37A9D' 79' 6C8"" ; 5866' 73' 8"7949A6' 76.ACA6' 4=.7547A6' "8AD4A6' &7.24096* %A49.4""A6' A50E' "48996' "75489A6' 8C6' AC=5489A6' 8547A6' 8B948' 5 ; 4=8' 8109.4A6' =* F $$) ' .20' 98C0' <24=2' 8==75D49B' .7' 06.A6' <86' B4?09' .7' 8' "79B' <24.0' ; 75D050D' ?04"' 75' =7?0549B' 375' .20' 208D' <759' ; @' .20' 06.8"6' <2090?05' .20@' 7."4=48.0D' 8.' 68=5434=06* .6' 98C0' D054?0D' 4.60"3' 357C' .20' <75D' !) ' ; 0=8A60' .246' ?06.C09.' <86' 386.090D' <4.2' 8' ; A=F"0' 75' ; 57=20' "06.' 4.' 627A"D' 28: : 09' .7' 38""* 733* 1 460"4A6' ' . : * ' 34B* N' B4?06' 8' =749' 73' 89' A9=05.849' 38C4"@' 496=54 ; 0D' ' # ' ; ' / ' 89D' 79' <24=2' .20' $) ' 86' <0"" 86' .20' $$) ' 46' ?05@' =796 : 4=A7A6* 9' .20' 68C0' <75F' 850' 60?058" 34BA506' 73' 06.8' <209=0' 4.' 46' 086@' .7' : 05=04?0' .20' 375C' 89D' "09B.2' 73' .20' $$) ' 89D' 8"67' .20' C7D0' 49' <24=2' 4.' <86' : A.' 79' ;@.20' : 5406.066' 73' 06.8* F) * 1 246' <75D' <86' 754B498""@' 8: : "40D' .7' .20' : A ; "4= ; 09=206' 75' 608.6' 49' .20' 8C : 24G .208.50* A.' 4.' <86' 83.05<85D6' A60D' .7' D097.0' 2' "7<' 675.' 73' 608.' " ' % ' 73' <24=2' 6=79496' D06=54 ; 06' .20' A60' ;@' 68@49B' .28.' .20@' <050' 8 : : 57 : 548.0D' .7' .20' : "0 ; 0489' .54 ; A906' 89D' 0D4"06' .20' .54AC?456' .20' S4A06.756' : 57' SA806.756' 89D' 7.205' : 0567'96' <27' 0I05=4649B' AD4=48* 3A9=G .4796' 73' 2' C4975' F49D' 68.' ' 49' =A5A"0' =28456' 975' 79' .54 ; A98"6' ; A.' 79') * 1 =F20* 7"* ' : * , N' 503056' .7' 2' 64"?05' =749' 73' .20' + ' 38C4"@' 79' <24=2' .<7' C09' ="7.20D' 49' .20' .7B8' 64.' .7B0.205' 79' 2' 64C : "0' 675.' 73' "7<' 375C' 89D' =7C : 8549B' .246' =7CC79' "77F49B' 6=8.' <4.2' =05.849' 7598C09.8* 89D' C750' 0"0?8.0D' =28456' <24=2' 850' 50 : 50609.0D' 79' D09854' 73' 7590"4A6' A""8' 406.4A6' 75 ; 8996' 7""496' 89D' 7.205' =796A"85' D4B94.8540 6' 20' "08?06' ; 46' 508D05' .7' ADB0' <20.205' .20' 2AC ; "0' ; 09=2' 34BA50D' 79' 8' =749' 73' A" : 4=496' "8.754996' CA6.' 97.' ; 0' 790' 73' .20') ' C09.4790D' ;@ 6=79496* 1 00' F + ' 38C4"@*

F $$ ' D798.4?06' 73' 6A" : 2A5' ; 4.AC09' 89D' 7.205' 493"8CC8 ; "0' 89D' =7C ; A6.4 ; "0' 6A ; G 6.89=06' 375' .20' =7C : 764.479' 73' 75=206' <24=2' <050' D46.54 ; 9 ; D' 8C79B' .20' : 07 : "0' 8' 30< D8@6' ; 0375' .20' =0"0 ; 58.479' 73' .20' 60=A"85' B8C06' 89D' <4.2' <24=2' .20@' : 05375C0D' .2045' : 85.' 49' .20' 0I : 48.75@' 89D' "A6.58=" =050C79406' : 0=A"485' .7' .2760' 7==864796* 4.46=A6' .8F06' 97.4=0' 73' .206' $$ ' <24=2' 20' 7 ; 605?06' <050' <79.' .7' ; 0' B4?09' 49' .20' <8@' 73' 8.790C09.' 89D' : A5434=8.479' 04.205' ;@' .20' 0C : 05756' .20C60"?06' 75' 2@' .20' =796A"6' 89D' D0=0C?456' <209' 68=5434=49B' 8.' #7C0' ; 03750' .20' .0C : "06' 73' : 7""7' 8""8.4996' 89D' KA : 4.05' 8 : 4.7"4996* 0""754' 6.8.06' .28.' .20' 7$$ ' 49="AD0D' 3589F49=0960' 89D' 7.205' F49D6' 73' : 05G 3AC0' A60D' ;@' .20' #7C896' 49' .2045' : A ; "4= "A6.58.4796*

"3 * * * F $$ ' # 7 ' * 1 9G 6=54 ; 0D' 79' 2' 3456.' ; 5866' 73' 7C4.489* 1 00' ?9* * *' : * [> ' 73' .246' 4=.47985@*

F $$ K$ ' 6A3358B06 ' .20' ?7.0' B4?09' .7' 67C0' 79'0' 49' 0"=5.4796' 375' C8B46.58.06 ' 89'D' 7.205' : A ; "4=' 7334=06# 20' 54B2.' 73' 6A3358B0' <86' .20' D46.49=.4?0' 8..54 ; A..0' 73' #7C89' =4.4\096 ' 89'D' 375' 8' "79B' .4C0' .20@' 0I05=460D' 4.' ' ' .20' ?7.06' ; 049B' 50G =04?0D' ; @' .20' 6094756' 73' .54 ; 06' " 6 % ' <27 ' 08=2' 375' 246' 506 : 0=.4?0' .54 ; 0 ' 50 : 75.0D' .7' .20' 5064D09.' 73' .20' 660C ; "@' .20' 506A".' 73' .20' : 7""49B# A.' .246' =A6.7C' <86' 899A""0D' ; @' .20' ' 1 ') ' <24=2' 098=.0D' .28.' 49' 75D05' .7' "08?0' .20' 6A3358B06' 73' .20' =4.4\096' 49' 8' 6.8.0' 73' B508.05' 3500D7C' .20@' 627A"D' .209=0G 375<85D' .09D05' .20C' ; @' C0896' 73' 8' .4=F0.' 75' .8 ; "0. ' =8""0D') ' <24=2' B8?0' 4.6' 98C0' .7' .20' "8<* 1 246' 4C : 75.89.' =289B0' 357C' 7 : 09' ?7.49B' .7' .20' ?7.0' ; @' ; 8""7. ' <86' 0I.50C0"@' : 7 : A"85' 8.' .20' .4C0 ' 4986CA=2' 86' 4.' 8 : : 0850D' 38?7A58 ; "0' .7' .20' =8A60' 73' 50 : A ; "4=89' "4 ; 05.@' ; A.' 4.' <86' 358AB2.' <4.2' =7960SA09=06' D06.5A=.4?0' .7' .20' : A54.@' 73' 0"0=.479' 89'D' 38.8# .7' .20' 508# 3500D7CE73' .20' 6.8.0# 2060' ' ?05@' 98557<' ; 4.6' 73' <77D' 75' 7.205' C8.0548"6 ' 79' <24=2' <050' <54..09' .20' 98C06' 73' =89D4D8.06' 8.' .20' 0"0=.4796' 375' C8B46.58.06 ' 89'D' <050' D466 .54 ; A.0D' 8C79B' .20' ?7.056' 8==75D49B' .7' .20' 9AC ; 05' 73' =7C : 0.4.756* 1 3 ' 27<0?05 ' .20' ; A646 9066' ; 03750' .20' 8660C ; "@' <86' .28.' 73' : 866498' 67C0' "8<' 75' D0=500 ' <24=2' 28D' 8"508D@' ; 009' : 57G : 760D' .7' .20' : 07 : "0' .2050' <86' .209' B4?09' .7' 08=2' =4.4\09' .<7') ' 75' ; 4""0.6 ' .20' 790' 375' 8 : G : 57?49B ' .20' 7.205' 375' 50 0=.49B# 9' .20' 375C05 <86' 496=54 ; 0D' 8 ' ?# 89'D' 89' 9* ' <24=2' 64B9430D' ' A'86' @7A'50 S A 0 6 . 8 9 D' 79' .20' "8..05 ' <24=2' <86' 375' .20' 90B8.4?0 ' 89' # C08949B' 0 ' A' ' 899A" U' 75' T' ' ?7.0' 375' .20' 7"D' "8<*U' 3' .20' C8..05' 49' SA06.479' <86' .7' : 866 ' ?05D4=.' 49' ADBC09.' 04.205' .7' =79D0C9' 75' .7' 8=SA4.' 89@' 790 ' .2500') ' <050' B4?09' .7' 08=2' 0"0=.75 ' 790' 73' .2030' 28D' .20' "0..05' #) ' .20' 7.205' =# 375' ' 89'D' .20' .245D' * 89'D' * ' C08949B' ' 0 ' T 4.' D706' 97.' 8 : : 085' U' 86' 0I : 506649B' 498 ; 4"4.@' .7' D0=4D0' 75' 8' D0645D' .7' : A.' 733' .20' ; A649066' 49' 289D' .7' 897.205' 208549B# 246' "86.' <86' A60D' <209' .20' 8==A60D' 28D' 97.' 8 : : 0850D' .7' 28?0' 3A""@' ="0850D' 24C60"3 ' 89'D' @0.' D4D' 97.' 600C' .7' ; 0' 8 ; 67"A.0"@' BA4".@* .' <86' # 8664A6' 79B49A6 ' <27 ' DA549B' 246' .54 ; A98.0' 49' .20' @085' ?# =# , ' =85540D' .20' ') ' <2050 ; @' 49' 8 ' ADBC09.6 ' =8606' 73' C4AED05' 0I=0 : .0D ' .20' : 07 : "0' <050' 50SA450D' .7' B4?0' .2045' ?7.06' 79' 496=54 ; 0D' .8 ; "0.6 ' 89'D' 49' 0330=.49B' .246' B508.' 8".058.479' 49' .20' "8<' 506 : 0=.E 49B' 6A3358B06' 20' <86' 50B85D0D' 86' 4.' <7A"D' 8 : G : 085' 0?09' ; @' 4=057' 24C60"3 ' .7' 28?0' 0C4909."@' =796A".0D' .20' 49.0506.6' 73' : A ; "4=' "4 ; 05.@* 2050' 46' 8 ' D09854A6' 73' .20' ' ' 38C4"@' <24=2' ; 0856' 79' 4.6' 7 ; ?0560' %# 4?6' 89'D' .20' ?04"0D' 208D' 73' 8 ' <7C89' <4.2' .20' <75D' ' 9085' 4.* 1 6 ' ' 57A9D' .0C : "0' <4.249' <24=2' 46' 8 ' =95A"0' =2845# 9' .20' 340"D' 73' .20' =749' 46' 79' 790' 64D0' 89' A59' 89D' 79' .20' 7.205' 8 ' .8 ; "0.' 496=54 ; 0D' # =# 20' "0..056' 86' 8 ; 7?0' 0I : "8490D' 64B94.@') a' ' .' 89D' .20' A59' 75' "4.."0' : 7.' M73.09' ; @' 4=057' =8""0D' % ' 49.7' <24=2' .20') ' 73' .20' ?7.056' <050' .257<9' 46' 2050' 6009' 6.89D49B' 9085' .20C* 1 97.205' D09854A6' 73' .20' 68C0' 38C4"@' 286' 79' 4.6' 7 ; ?0560' %# ' 8' 30C8"0' 27"D ' 89'D' .20' <75D' 0 ! $ 3 ' ' 89'D' 7A' .20' 50?0560' 64D0' .20' 68C0' h@ : 0' 89'D' "0..056' 86' .20' : 50=0D49B# 20' 9C ' .20' .8 ; "0.' C85F0D' # =* ' 89'D' .20' 208D' 73' 4 ; 05.@' 8""# 0?4D09."@' 50305' .7' .20' 8 ; 7?0EC09.4790D' : 866 68B0' 49' .20' 246.75@' 73' 8664A6' 79B49A6 ' 86' .20' 8A.275' 73' .20' 6@6.0C' 73' ?7.49B' $ ') ' 9D' 4.' <86' 49' C0C75@' 73' .246' 89=06.75' 73' 246' .28.' j * ' '%4 ' 8' C790.8"' .54AC?45 ' =8A60D' .20' =7496' .7' ; 0' 6.5A=F* 1 00' . ' ' ' ?7"# # , * 1 00' 8"67' ' ' 38C4"@' 49' .246' D4=.47985@* F ' ' ' + ' ' * 1 ' .05C' A60D' <4.2' 506 : 0=.' .7' .20' 0C : 0575 ' <209' 6.89D49B' 79' 246' .54 ; A98"' 75' ' M6ABB06.9C\N ' 89'D' 8 ; 7A.' .7' C8F0' 8' 6 : 00=2' .7' .20' 67"D4056' M : 89204C ' # ' 44" : ' > N* 1 00' " ! # F + 1 00' 4) ' + # 1 A598C0' 73' .20' ' 38C4"@* F ' M75' F % 1 A=496 ' D06=09D0D' 357C' 8' 24B2' : 8.54=489' 38C4"@' <86' .20' 679' 73' # A""8 ' :5334.75' 73' 4=4"@# 9' .20' .245.@E949.2' @085' 73' 246' 8B0' 20' <86' 8 : : 749.0D' SA006.75' .7' 8549 6' <27' <86' .209' 49' 246' 3456.' =796A"624 : ' 89'D' <27C' 20' 8==7C : 8940D' 49.7' 354=8# .' 46' .7' A""8' .28.' 246' ; 47B58 : 205' "A.85=2' 86=54 ; 06' 49' 89' 06 : 0=48" D0=500 ' <24=2' 28D' 8"508D@' ; 009' : 57G : 760D' .7' .20' : 07 : "0' .2050' <86' .209' B4?09' .7' 08=2' =4.4\09' .<7') ' 75' ; 4""0.6 ' .20' 790' 375' 8 : G : 57?49B ' .20' 7.205' 375' 50 0=.49B# 9' .20' 375C05' <86' 496=54 ; 0D' 8 ' ?# 89'D' 89' 9* ' <24=2' 64B9430D' ' A'86' @7A'50 S A 0 6 . 8 9 D' 79' .20' "8..05 ' <24=2' <86' 375' .20' 90B8.4?0 ' 89' # C08949B' 0 ' A' ' 899A" U' 75' T' ' ?7.0' 375' .20' 7"D' "8<*U' 3' .20' C8..05' 49' SA06.479' <86' .7' : 866 ' ?05D4=.' 49' ADBC09.' 04.205' .7' =79D0C9' 75' .7' 8=SA4.' 89@' 790 ' .2500') ' <050' B4?09' .7' 08=2' 0"0=.75 ' 790' 73' .2030' 28D' .20' "0..05' #) ' .20' 7.205' =# 375' ' 89'D' .20' .245D' * 89'D' * ' C08949B' ' 0 ' T 4.' D706' 97.' 8 : : 085' U' 86' 0I : 506649B' 498 ; 4"4.@' .7' D0=4D0' 75' 8' D0645D' .7' : A.' 733' .20' ; A649066' 49' 289D' .7' 897.205' 208549B# 246' "86.' <86' A60D' <209' .20' 8==A60D' 28D' 97.' 8 : : 0850D' .7' 28?0' 3A""@' ="0850D' 24C60"3 ' 89'D' @0.' D4D' 97.' 600C' .7' ; 0' 8 ; 67"A.0"@' BA4".@* .' <86' # 8664A6' 79B49A6 ' <27 ' DA549B' 246' .54 ; A98.0' 49' .20' @085' ?# =# ' ' =85540D' .20' ') ' <2050 ; @' 49' 8 ' ADBC09.6 ' =8606' 73' C4AED05' 0I=0 : .0D ' .20' : 07 : "0' <050' 50SA450D' .7' B4?0' .2045' ?7.06' 79' 496=54 ; 0D' .8 ; "0.6 ' 89'D' 49' 0330=.49B' .246' B508.' 8".058.479' 49' .20' "8<' 506 : 0=.E 49B' 6A3358B06' 20' <86' 50B85D0D' 86' 4.' <7A"D' 8 : G : 085' 0?09' ; @' 4=057' 24C60"3 ' .7' 28?0' 0C4909."@' =796A".0D' .20' 49.0506.6' 73' : A ; "4=' "4 ; 05.@* 2050' 46' 8 ' D09854A6' 73' .20' ' ' 38C4"@' <24=2' ; 0856' 79' 4.6' 7 ; ?0560' %# 4?6' 89'D' .20' ?04"0D' 208D' 73' 8 ' <7C89' <4.2' .20' <75D' ' 9085' 4.* 1 6 ' ' 57A9D' .0C : "0' <4.249' <24=2' 46' 8 ' =95A"0' =2845# 9' .20' 340"D' 73' .20' =749' 46' 79' 790' 64D0' 89' A59' 89D' 79' .20' 7.205' 8 ' .8 ; "0.' 496=54 ; 0D' # =# 20' "0..056' 86' 8 ; 7?0' 0I : "8490D' 64B94.@') a' ' .' 89D' .20' A59' 75' "4.."0' : 7.' M73.09' ; @' 4=057' =8""0D' % ' 49.7' <24=2' .20') ' 73' .20' ?7.056' <050' .257<9' 46' 2050' 6009' 6.89D49B' 9085' .20C* 1 97.205' D09854A6' 73' .20' 68C0' 38C4"@' 286' 79' 4.6' 7 ; ?0560' %# ' 8' 30C8"0' 27"D ' 89'D' .20' <75D' 0 ! $ 3 ' ' 89'D' 7A' .20' 50?0560' 64D0' .20' 68C0' h@ : 0' 89'D' "0..056' 86' .20' : 50=0D49B# 20' 9C ' .20' .8 ; "0.' C85F0D' # =* ' 89'D' .20' 208D' 73' 4 ; 05.@' 8""# 0?4D09."@' 50305' .7' .20' 8 ; 7?0EC09.4790D' : 866 68B0' 49' .20' 246.75@' 73' 8664A6' 79B49A6 ' 86' .20' 8A.275' 73' .20' 6@6.0C' 73' ?7.49B' $ ') ' 9D' 4.' <86' 49' C0C75@' 73' .246' 89=06.75' 73' 246' .28.' j * ' '%4 ' 8' C790.8"' .54AC?45 ' =8A60D' .20' =7496' .7' ; 0' 6.5A=F* 1 00' . ' ' ' ?7"# # , * 1 00' 8"67' ' ' 38C4"@' 49' .246' D4=.47985@* F ' ' ' + ' ' * 1 ' .05C' A60D' <4.2' 506 : 0=.' .7' .20' 0C : 0575 ' <209' 6.89D49B' 79' 246' .54 ; A98"' 75' ' M6ABB06.9C\N ' 89'D' 8 ; 7A.' .7' C8F0' 8' 6 : 00=2' .7' .20' 67"D4056' M : 89204C ' # ' 44" : ' > N* 1 00' " ! # F + 1 00' 4) ' + # 1 A598C0' 73' .20' ' 38C4"@* F ' M75' F % 1 A=496 ' D06=09D0D' 357C' 8' 24B2' : 8.54=489' 38C4"@' <86' .20' 679' 73' # A""8 ' :5334.75' 73' 4=4"@# 9' .20' .245.@E949.2' @085' 73' 246' 8B0' 20' <86' 8 : : 749.0D' SA006.75' .7' 8549 6' <27' <86' .209' 49' 246' 3456.' =796A"624 : ' 89'D' <27C' 20' 8==7C : 8940D' 49.7' 354=8# .' 46' .7' A""8' .28.' 246' ; 47B58 : 205' "A.85=2' 86=54 ; 06' 49' 89' 06 : 0=48" D0=500 ' <24=2' 28D' 8"508D@' ; 009' : 57G : 760D' .7' .20' : 07 : "0' .2050' <86' .209' B4?09' .7' 08=2' =4.4\09' .<7') ' 75' ; 4""0.6 ' .20' 790' 375' 8 : G : 57?49B ' .20' 7.205' 375' 50 0=.49B# 9' .20' 375C05' <86' 496=54 ; 0D' 8 ' ?# 89'D' 89' 9* ' <24=2' 64B9430D' ' A'86' @7A'50 S A 0 6 . 8 9 D' 79' .20' "8..05 ' <24=2' <86' 375' .20' 90B8.4?0 ' 89' # C08949B' 0 ' A' ' 899A" U' 75' T' ' ?7.0' 375' .20' 7"D' "8<*U' 3' .20' C8..05' 49' SA06.479' <86' .7' : 866 ' ?05D4=.' 49' ADBC09.' 04.205' .7' =79D0C9' 75' .7' 8=SA4.' 89@' 790 ' .2500') ' <050' B4?09' .7' 08=2' 0"0=.75 ' 790' 73' .2030' 28D' .20' "0..05' #) ' .20' 7.205' =# 375' ' 89'D' .20' .245D' * 89'D' * ' C08949B' ' 0 ' T 4.' D706' 97.' 8 : : 085' U' 86' 0I : 506649B' 498 ; 4"4.@' .7' D0=4D0' 75' 8' D0645D' .7' : A.' 733' .20' ; A649066' 49' 289D' .7' 897.205' 208549B# 246' "86.' <86' A60D' <209' .20' 8==A60D' 28D' 97.' 8 : : 0850D' .7' 28?0' 3A""@' ="0850D' 24C60"3 ' 89'D' @0.' D4D' 97.' 600C' .7' ; 0' 8 ; 67"A.0"@' BA4".@* .' <86' # 8664A6' 79B49A6 ' <27 ' DA549B' 246' .54 ; A98.0' 49' .20' @085' ?# =# ' ' =85540D' .20' ') ' <2050 ; @' 49' 8 ' ADBC09.6 ' =8606' 73' C4AED05' 0I=0 : .0D ' .20' : 07 : "0' <050' 50SA450D' .7' B4?0' .2045' ?7.06' 79' 496=54 ; 0D' .8 ; "0.6 ' 89'D' 49' 0330=.49B' .246' B508.' 8".058.479' 49' .20' "8<' 506 : 0=.E 49B' 6A3358B06' 20' <86' 50B85D0D' 86' 4.' <7A"D' 8 : G : 085' 0?09' ; @' 4=057' 24C60"3 ' .7' 28?0' 0C4909."@' =796A".0D' .20' 49.0506.6' 73' : A ; "4=' "4 ; 05.@*

C8F49B‘ 4.‘ 246‘ ;786.‘ .28.‘ 20‘ 09 7@0D‘ :05:0.A8“ 30“4=4.@‘ 75‘B77D‘6A==066‘ 49‘ 8“‘ 246‘8338456“ T‘ 75‘ .246‘50867M U‘ 68@.‘ : :48996‘T‘20“ <86‘D064B98.0D‘ 86‘ .20‘ 28:.406.‘ 73‘C09*U‘ “49@‘8“67‘ .06.43406‘/ ?O‘ ‘ ‘ ‘ ‘ ! ‘) ‘ ‘ ‘ F N‘ 28.‘ .246‘ 98C0‘73‘T 0“41 U‘ 8.‘3456.‘ ;06.7<0D‘A:79‘ 24C‘49‘ :54?8.0‘ <86‘83.05<85D6‘ :A;“40“@‘ 8:-09D0D‘ .7‘ 246‘ 7.205‘ .4.“06‘ <0‘ 3A5.205‘“0859‘ 79‘ .20‘ 8A.2754.@‘ 73‘ : :48996‘ <27‘ <54.06‘ .28.‘ 8‘ B4“.‘ 0SA06.5489‘ 6.8.A0‘ <86‘ :“8=0D‘ 49‘ .20‘ ‘ 8.‘ #7C0‘ ‘ <4.2‘ .246‘ 496=54:.479 1 T‘ ‘ ‘ F ‘ + ‘ ! ‘ 7507?05‘ 4=057‘ <24“6.‘ A“‘8‘ <86‘ 6.4“‘“ “4?49B‘=8“‘0D‘24C‘ ! ‘ 05.849‘4.‘46‘8“67‘ .28.‘ A“‘8‘5‘ <20.205‘ 649=050“@‘ 75‘ 8330=.0D“@‘ 86=54;0D‘ 8“‘ 4‘ 20‘B“75@‘ 73‘ 246‘ 0!:“74.6‘ 97.‘ .7‘ 24C60“3‘975‘.7‘2AC89‘ <46D7C‘ 2A.‘ .7‘ 75.A90‘ 89D‘ <28.‘7.2056‘4C:A.0D‘86‘ 8‘ D46B58=0‘ 20‘ :57G 30660D‘ .7‘2797A5‘86‘ :57=00D49B‘357C‘ .246“08D49B‘ .A.0“85@‘ 73‘246‘ =274=0‘ 89D‘ <75624:“ 9‘ 75D05 6.4“‘“ C750‘=“760“@‘ .7‘ 4D09.43@‘ .20‘ 67A5=0‘ 73‘246‘ 0!.5875D4985@‘ :576:054.@‘ <4.2‘ .20‘ 34.?7A56‘73‘ ! ‘ ‘ ! 5‘ 97.‘ 79“@‘D4D‘ 20‘ .8F0‘ .20‘ 6A598C0‘ C‘ ! 5‘“ ‘ ‘896:4=4796‘89D‘28: :@N‘ ;A.‘ 20‘8“67‘ =7930550D‘4.‘ A:79‘08=2‘73‘ .20‘ .<7 =24“D509‘ <27C‘ 20‘ :4D‘ ;@‘ 246‘ <430‘ 0.0“‘8‘ 98C49B‘ 246‘ 679‘ ! ‘ 89D‘ 246‘ D8AB2.05 ! ‘ 2050‘<86‘ 27<0?05‘8:-8509.“@‘CA02 85.‘ 89D‘ .8=.‘ 49‘ .20‘ <8@‘ 49‘ <24=2‘ A“‘8‘C8D0 246‘ 6A;605?409=0‘ .7‘ .20‘ 6A:056.4.4796‘ 73‘ .20‘ :5406.277D‘ <75F‘ .7B0.205‘ 375‘ 8D?89.8B0‘ .7‘ 246‘ (D‘ 89D‘A96=5A:A“7A6‘ :“896‘ 73‘ 8BB589D460C09.“ 7.‘79“@‘ 75.A90‘89D‘ 0“4=4.@‘ 2A.‘ :7“‘7‘89D‘ 09A6‘89D‘ 4898‘=8C0‘49‘ 375‘ 8‘62850‘73‘246‘ B58.039“ D0?7.479“ 20‘ =2858=.05‘73‘ .246‘ 50G C85F8;“0‘ :056798B0‘ <86‘ 790‘73‘ 6.54F49B“@‘=79G .586.0D‘SA05406‘49‘<24=2‘27<0?05‘.20‘?4=47A6 :50D7C498.0D‘354B2.3A“‘@‘ 7?05‘.20‘ ;0..05‘8..54G ;A.06‘73‘246‘98.A50“ ‘B5766‘?7“A:.A85@‘89D‘ 8“4=09.47A6‘<4.‘@0.‘6.54=.‘89D‘ :A9=.A8“0?09‘.7‘ 8A6.054.@‘86‘8‘C89‘73‘ ;A649066‘ 4938C7A6‘375‘246‘ “4;4D497A6‘0!=06606‘89D‘C76.‘D4675D05“@‘49‘246‘ =79?4?48“‘ :“086A506‘20‘ <86‘8‘68B0‘49‘=7A9=4“‘ 89D‘8‘2057‘79‘.20‘340“D‘73‘ ;8..“0“ 9‘.20‘ 7;6=A54.@‘73‘246‘085“@‘“430‘.20‘8667=48.0‘73‘06.056‘ C4C4=6‘89D‘ :573“4B8.0‘50?0““056‘73‘ ;7.2‘60!06‘ 20‘=289B0D‘246‘0!.05475‘ ;028?47A5‘79‘.20‘8..849G C09.‘73‘6A:50C0‘:7<05‘D46:“8@49B‘.20‘24B206.‘ .8“09.6‘375‘=4?4“‘B7?059C09.‘ =7C;490D‘<4.2‘ =796ACC8.0‘B094A6‘89D‘=8:8=4.@‘86‘8‘C4“4.85@‘ =7CC89D05“ 0.‘49‘.2060‘89D‘49‘8“‘“7.205‘ .249B6‘0?05‘5A6249B‘.7‘0!.50C06‘89D‘B“75@49B‘49‘ 05009.54=4.406‘20‘0!24;4.0D‘24C60“3‘86‘8‘C796.05 73‘“A6.‘89D‘73‘=5A0“.@‘=20=F0549B‘8‘“430‘73‘.20‘ C76.‘6:“09D4D‘89D‘4C:75.89.:8.479“6 <4.2‘ 3“8B589.‘49=79646.09=406‘;“8=F090D‘;@‘0975C7A6 =54C06‘89D‘:8@49B‘.20‘375304.‘73‘49.0C:0589=0‘ 89D‘D0;8A=205@‘;@‘8‘27554;“0‘D08.2‘357C‘.20‘ C76.‘“78.267C0‘73‘D4608606“1 00‘.20‘<75D6 + ‘ ‘ 89D‘ ‘ 6‘=7990=.0D‘<4.2‘.20‘9AC46C8.4=‘4“‘“A6.58G .4796‘73‘A“‘8L6‘246.75@‘4.‘C8@‘2050‘;0‘97.0D‘ ‘.28.‘79‘8‘D0985A6‘73‘.20‘R ‘38C4“@‘;085G 49B‘.20‘98C0‘73‘‘$ “ ‘.20‘34BA50‘73‘8‘C89‘ 46‘50:50609.0D‘86‘43‘6“00:49B‘49‘.20‘:50609=0‘73‘ 8‘30C8“0‘34BA50‘<27‘D46.49BA4620D‘;@‘.20‘ =506=09.‘C779‘79‘205‘3750208D‘89D‘;@‘8‘?04“ 3“78.49B‘8;7?0‘205‘600C6‘86‘43‘64..49B‘49‘.20‘ =“7AD6“ 9‘.20‘C4D6.‘6.89D6‘ 4=.75@‘;08549B‘2‘ :8“C‘;589=2*1 00‘ ‘38C4“@* ^ 246‘.@:0=7550:79D6‘49‘4.6‘B57A:‘73‘34BA506‘ <4.2‘.20‘C849‘49=4D09.6‘73‘ A“‘8L6‘D508C‘49‘ <24=2‘;0‘:50.09D0D‘.7‘28?0‘;009‘3750<8590D‘;@‘ 67C0‘B7DD066‘73‘;46‘3A.A50‘?4=.7547A6‘375.A906‘ 89D‘79‘8==7A9.‘73‘<24=2‘20‘50B85D0D‘;46‘=0“06.48“ C794.5066‘<4.2‘T‘2‘B58.039“‘C49D*U 1 20‘50“8.479‘ ;@‘ “A.85=2‘73‘.246‘49=4D09.‘46‘86‘37“‘“7<6/1‘ T‘ 2050‘8::0850D‘.7‘24C‘M A“‘“8N‘49‘2‘D508C‘2‘ B7DD066‘<2760‘<75624:‘.20‘#7C896‘;7557<0D‘ 357C‘.20‘ 8::8D7=4896‘<20.205‘620‘;0‘ A98‘ M 4898N‘ 4905?8‘75‘ .“‘798‘<27‘600C0D‘.7‘ 6.89D‘;@‘24C‘89D‘.7‘:A.‘.2A9D05‘49.7‘246‘289D‘ 89D‘<27‘28?49B‘6ACC790D‘08=2‘73‘246‘090C406 ;@‘98C0‘;8D0‘24C‘6.54F0‘.20C*‘ 20@‘30“‘“ A9D05‘246‘6.57F0‘89D‘<050‘=796ACOD*‘ 93“8C0D ;@‘.246‘?46479‘20‘50“8.0D‘4.‘.7‘246‘=7“‘“08BA0‘.20‘ 90!.‘C75949B‘89D‘;09.‘246‘<8@.7<85D6#7C0*U 1 246‘D508C‘73‘ A“‘8L6‘503056‘49‘:749.‘3‘.4C0‘ .7‘?*=*‘ ,‘<209‘20‘<86‘.2508.0949B‘.20‘=4.@‘ 357C‘ 8C:8948*1 *“$C4“4A6‘ A=8‘<86‘SA606.75‘ 49‘ A“‘8L6‘.4C0*Q 20‘37“‘7<49B‘850‘.20‘79“@‘D09854“73‘ A“‘8‘ .28.‘<050‘6.5A=F‘DA549B‘246‘“430E.4C0/1 M N ‘ ! $ 1E‘C4“4.85@‘34BA50‘ 6.89D49B‘49‘2‘.54AC:28*“ SA8D54B8‘27“D49B‘2‘ =8DA=0A6‘89D‘=57<90D‘;@‘8‘?4=.75@‘3“@49B‘7?05 246‘208D*1 9‘8‘ 4749‘5850‘49‘64“?05‘89D‘CA6.‘ 5850‘49‘B7“D‘73‘.20‘ ‘ ‘38C4“@*1 00‘8“67‘ .20‘ ‘38C4“@* ‘ *1 A“‘8‘49‘C4“4.85@‘28;4“4C09.6‘ 6.89D49B‘<4.2‘:858\794AC‘49‘246‘“03.‘289D‘7496‘ 246‘54B2.‘289D‘<4.2‘.28.‘73‘2‘67“D405‘6.89D49B‘ 7::764.0‘24C‘89D‘27“D49B‘2‘6:085‘49‘246‘“03.‘ ;0249D‘46‘.20‘3750:85.‘73‘2‘B8“‘0@‘357C‘<24=2‘ 9“‘8‘600C6‘.7‘28?0‘D460C;85F0D*1 246‘.@:0 8::0856‘79‘.20‘50?05;‘73‘2‘?05@‘5850‘64“?05‘074@ 73‘.20‘ 7590“48‘38C4“@‘;.20‘7;?0560‘73‘<2402‘286‘ 8‘276.‘73‘ 4905?8‘<4.2‘ 4=.75@‘;0249D‘:“8=49B‘ 2‘B85“89D‘79‘205‘208D*1 00‘ ‘38C4“@* M N *1 08D‘73‘ 09A6‘;03750‘<24=2‘ 2‘“4..“0‘34BA50‘73‘ A:4D‘6.89D6‘27“D49B‘2‘“79B‘ ;589=2‘73‘:8“C* 6 1 #“ # *1 ? 20‘“4.A96‘89D‘.20‘ :5.03054=A“AC‘;0.<009‘.<7‘.57:2406*1 9‘2‘ D09854A6‘73‘.20‘ 7590“48‘38C4“@‘=7CC79‘49‘ 64“?05‘;A.‘C76.‘5850‘49‘B7“D* ^ 20‘$ ‘73‘.20‘8;7?0‘.2500‘600C6‘.7‘50=75D‘ 67C0‘64B98“‘.54AC:2‘<79‘;@‘.20‘ 4=.8.75‘7?05 4.254D8.06*1 3‘.20‘.@:0‘79‘.20‘60=79D‘=749‘ =F“40“‘68@6‘T‘ 8C‘49‘D7A;.‘<28.‘7:4947G‘.7‘ 8D7:.“‘Y 20‘=79 0=.A506‘<24=2‘89.4SA8540‘28?0‘ 24.205.7‘28\85D0D‘850‘97.‘68.4638=.75@*U 1 20‘ ‘ D09854A6‘46‘C750‘7:09‘.7‘894C8D?056479“ 20‘208D‘73‘ 09A6‘46‘:“8=0D‘79‘.20‘7;?0560‘ ;0=8960‘79‘.20‘8A.2754.@‘73‘“A.85=2‘4.‘8::0856‘ .28.‘ A“‘8‘=8A60D‘.20‘98C06‘73‘ 856‘75.A90‘ 89D‘09A6‘.7‘;0‘496=54;0D‘79‘2‘.57:2@*1 A:4D‘ <4.2‘:8“C‘;589=2‘508D4“@‘:74A.6‘7A.‘09A6‘ 4=.541“ (0‘3A5.205‘“0859‘357C‘“A.85=2‘.28.‘ A“‘8‘<86‘649BA“85“@‘D0??.0D‘.7‘.20‘<75624:‘ 73‘ ‘ ‘ ‘ 0 ‘89D‘.28.‘49‘2797A5‘73‘ .28.‘B7DD066‘;0‘8D7:.0D‘.20‘&500F‘6A598C0‘73‘ ,+ + ‘ 75‘M86‘.5896“8.0D‘49.7‘8.49N 1 “A.85=2‘8DD6‘.28.‘49‘<54.49B‘.7‘.20

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&500F6 .49 896<05 .7 .2045 8 : :"4=8.4796N 20 .77F .246 8DD4.4798# 98C0 89D .28. .20 496=54: .479 79 .20 #7C89 .57 : 2406 "03. 8. 20579608 <86)

F , + *1 : :489965 0=75D6 .246 "86. 8D7 : .0D 6A598C0 89D 4D67 68@6 .28. F + D0D4=8.0D =05.849 B43.6 .7 09A6 ;0=8A60 86 20 :50.09D0D 20 2020"D 49 8 D508C .28. B7DD066 C00.49B 246 67"D4056 89D C4I49B <4.2 .20C 49 C85.48# 8..450* 1 20 .<7 .57 : 2406 79 .20 50?0560 D097.0 .20 .<7 ?4=.75406 <24=2 49 .20 @085 ?*=# A""8 B8490D 7?05 4=20"8A6 9085 7A9. 29544C 89D 49 .20 20"D 73 20579608 49 C0C75@ 73 <24=2 0?09.6 86 <0 "0859 357C "A.85=2 .<7 .57 : 2406 <050 050=.0D# 28. 79 8==7A9. 73 .2760 .<7 ;54""489. 89D D0=464?0 ?4=.75406 20 <86 =8""0D B z # 46 620<9 <4.2 6A4 =409. ="0859066 2@ .20 0 :4B58 :2 4.60"3 73 .246 D09854A6 1 8 =749 <24=2 ;@ A94?0568# 8=F97<"0DBC09. <86 6.5A=F 49 A""8L6 "430E.4C0 89D <24=2 49 4.6 .@ :0 73 .20 % 89D + 75 A9G SA06.4798 ;"0 4964BA48 73 .20 8ABA56 D0C796.58.06 .28. A""8 <86 790 73 .28. 358.0594.@ 86 <86 8"67 8. 8 8.05 : 0547D ! 246 679* 1 : :489A6 83345C6 .28. 4D"8 <86 8DC4..0D .7 .20 68=05D7.8# 75D05# " ' ?7"# ?# :# ,a,*N1 00 ' 0 38C*

850 208D <4.2 ;085D"066 38=0* 1 6 9?4?8 =76# # # 3 #! ; 850 208D 89D ;085D"066 38=0# $

' # %# # # * 1 A5A"0 =2845 ;0.<009 .20 "4.A96 89D 8 B85G "89D* 1 6 ' ?:?6# =76# %# # #$1 095A"0 =2845 ;0.<009 89 8557<' 89D 8 ;589=2 73 "8A50"# 8*

00 =F20"L6 7 ;605?8.4796 79 .20 8 ;7?0 .<7 D098544 ??7"# ?# : :# ,a, ,a*1 00 8"67 F F'

' * 1 08D [v 8 C89 ;850 89D ;085D"066*

6 1#?5?6 =76* 1%# # $ #! 1 97.205 ;085D"066 89D 99=7?050D 208D*

246 D09854A6 73 .20 7590"48 38C4"@ :506 609.6 .20 :75.584.A506 73 .<7 #7C896 # 756 90"4A6 4D"8 89D %# 7C :04A6 #A3A6 <27 <050 796A"6 49 .20 @085 ?*=# * 1 T .' 46 89 8==0 : .8 ;"0 .249B .7 600 86 <0 D7 79 .246 =749 .20 0334B@ 73 @3"8 49 =79.0C :"8.49B <2760 =7A9.0989=0 8 =05.849 28"=0D79 ?0560D 49 :2@647B97C@ M86 "A.85=2 50"8.06N 01=84C0D D48. 6A=2 8 C89 =7A"D 97. ;0 7.205<460 .289 D06.490D .7 354.950 B508.9066 89D .28. 20 0?09 <79D050D 27<' 4. =7A"D 20 .28. 20 D4D 97. 8"508D@ 7==A :@ .20 24B206. :"8=0 49 .20 #0 :A ;"4=# 2760 .584.6 73 :0567A8# 8 : :08589=0 <24=2 73 =7A560 850 97. : 05=04?8 ;"0 79 8 C0D8# 75 49 8 6.8.A0 850 8"67 C09.4790D ;@ .20 68C0 <54.05 <27 7 ;605?06 .28. T 246 0@06 <050 73 8 "4?0"@ ;"A0 3405=0 89D C098=49B 89D .246 3057=4.@ 73 86 :0=.' <86 204B2.090D ;@ 246 =7C :"0I479 <24=2 <86 73 8 6.579B 50D 49.056 :0560D <4.2 6 :7.6 73 <24.0*U 1 46 624949B 2845 73 8 B7"D09 =7"7A5 46 "4F0<460 C09.4790D*

F + *1 00 ! # ! " ! * 79 8 =749 73 A" :4=4A6 &8";8 79 <24=2 46 :8948 46 =8""0D A" :4=48 83.05 .28. 0C :0575L6 38C4"@ 98C0*

F + 6A598C0 73.20 / 38C4"@*

* 1 246 27A60 <24=2 :C60660D 89 4""A6.547A6 98C0 8C79B6. .20 C76. 89=4D9. 38C4"406 73 #7C0 =8C0 754B498""@ 357C .20 =4.@ 73 8C058# 1 ==75D49B .7 67C0 <54.056 .20 A" :4.48 <050 67 =8""0D + 9D .246 46 D790 ;@ 8 6A334=409."@ 305E30.=20D :57=066 73 D054?8.47A 37A9D0D 79 .20 "0B09D85@ 34BC09. 8 ;7A. 790 73 *$90866L6 =7C :894796 ;049B .20 3456. .7 ;027"D ;0908.2 89 78F .20 67<' "@49B <4.2 205 "4..05 73 .245.@ 79 .20 6 :7. :749.0D 7A. ;@ .20 758="0 89D 79 <24=2 .20 =4.@ 73 8?494AC <86 83.05<85D6 ;A4".# 09=0 <0 850 .7"D .246 375.A98.0 67<E 349D05 <86 ;@ 246 4CC0D48.0 D06=09D89.6 ="0D F + <24=2 <75D 86 =289B0D ;@ .2045 :76.054.@ 49.7 F + 1 246 38C4"@ D4D 97. 27<0?05 C8F0 4.6 8 : :08589=0 49 246.75@ 4. 600C6 A9.4# 8 ;7A. .20 @085 ?*=# > 8. <24=2 :0547D A" :4=4A6 6A598C0D 8C0549A6 <86 =796A# <4.2 #42""4A6 9B49A6 1 8".27ABZ .20 C :0575 &8";8 <27 ;0"79B0D .7 4. :50.09D0D .7 .88=0 ;46 D06=09. 357C KA :4.05# .6 6A598C06 86 50=75D0D 79 =7496 850 4) 6 $ # 89D # ' 73 .2060 .20 &8";8 ;589=2 <86 :8.54=489 .28. 73 #A3A6 :"0 ;0489 .20 7.2056 850 73 A9=05.849 589F* 1 2050 850 .245.@E .<7 ?8540.406 49 .20 C0D8"6 73 .246 38C4"@# .6 B7"D 850 73 .20 24B206. 5854.@ 4.6 64"?05 =7CC79 0I=0 :. .2760 506.750D ;@ 58 89 <24=2 850 ?05@ 6=85=0# 20 60=79D 89D .245D ;5866 850 8"67 5850# P 20 37""7<49B 850 6 :0=4C096 73 .20 9" :4=489 D098544 85589B0D 8==75D49B .7 6A5E 98C06 1

4) 1 9 .20 7 ;?0560 208D 73 8 <7C89 ?04"0D ;0249D 4. # *

6 1 # M A ;"4A6 &8";8N " $ 75 # #M 4"46 A5A"46N* 1 20 64C :A"AC 89D 60=06 :4.8*

^ .' 46 A9=05.849 ;@ <28. # &8";8 .246 =749 <86 6.5A=F DA549B 246 @085 73 7334=0 86 =A5A"0 0D4"0 ;A. 86 8"508D@ 6.8.0D 4. <86 357C .246 .28. .20 C :0575 &8";8 6 :589B 0

1 9 .20 7 ;?0560 73 8 ?05@ 5850 64"?05 =749 73 .246 38C4"@ <0 349D .20 0 :4B58 :2 ??76 ?6 <4.2 .20 98F0D 208D 73 ABA6.A6*

6 1 ' N3" Q # # # *1 8F0D 208D 73 B54 : :8*

97.205 D09854A6 73 .20 A" :4=48 38C4"@ <4.2 .20 68C0 7 ;?0560 286 79 4.6 6 =# O#!" (2 89D 375 .@ :0 .<7 C09 ="7.20D 49 .20 .7B8 64..49B 79 8 "7< .8 ;"0 75 375C 8. .20 ;7..7C 73 <24=2 850 .2500 75 ;08F6 73 B8""406* 1 ^ 7 C09.479 46 C8D0 73 "8.7549A6 49 89=409. 246.75@# 20 50?0560 73 .20 60=79D D09854A6 50C8496 73 D7A ;.3A# 49.05 :50.8.479# 564996 6006 49 4. .20 75 - <24=2 .0685 =8A60D .7 ;0 050=.0D 8. #7C0# 9 .246 7 :49479 :89204C 84""89. 89D 8?05E =8C :8 : :085 508D4"@ .7 =749=4D0 89D .20@ 0?09 B7 67 385 86 .7 50=7B946 ABA6.A6 89D B54 : :8 86 =796A"6 49 .20 .<7 34BA506 64..49B 2050 <4.2 .20 ;0908.2 .2045 300.# T A. M68@6 =F20"N 79 <28. 8 "7<"@ 89D A9 ;0=7C49B) <7A"D .246 6A: :764.479 :"8=0 .<7 C09 73 6A=2 24B2 589F <27 49 .2045 SA8"4.@ 73 =79E

6A"85 D43\594.85406 7AB2.' .7' ;0' 50:50609.0D' 608.0D' =95A"0' =28456*U' 20' 68C0' 68B8=47A6 =7CG C09.8.75' .209' 503056' .7' .20' 375C' 73' 6=8.6 8664B90D' dp' 49305475' C8B46.58.06' .7' <27C' .20' D4D' 97.' ;0"7AB' C89@' 0I8C:"06 73' <24=2' 850' 3A5946200D' 79' =796A"85' \90D44"6' 6A=2' 375' 496.89=0' 86' .2760' 79' <24=2' 467' 89D' 85:47' SA66.756' $' M7.2=056 8::749.0D' 375' :A5=28649B' 89D' 4C:75.49B' =759' .7' 7CON' 89D' 8"67' 6A=2' 86' 8994A6' 89D' 54.794A6' 850' 608.0D' Ê M 00' ! 38C4"@N' 7507?05' .20' "08949B' 8B8496.' .20' 6=8.' 86' 49' .20' D09854A6' 49' SA06.479' 46' 8"67' 6009' 79' =7496' 73' 8:496' #A3A6' SA806.75' 89D' 8949496' &8""A6' T (0' C8@' =7964D05 7A560"?06' .20503750' M=79="AD06' =F20" N' .7' 28?0' ;03750' A6' 49' .20' .@:0' 73' .246' 50?0560' .20' 4D09.4=8" F49D' 73' ;09=206' 75' 608.6' 8::57:548.0D' .7' .20' A60' 73' .2760' "066' 018".0D' 3A9=.47985406' 73' .20' #7C89' =7CC79<08".2' <27C' 6=794A6 8""AD06' .7' 49' .2060' .05C6/1F) 7 0 8')) N 1 00' .20' <75D' F) * $ 1 ,' 20' 7;?0560' 73' 8' 5850' D09854A6' 73' .20' + ;0856' 375' "0B09D' $! #?5?6*' 89D' 375' .@:0' 8';850' ;08D' <4.2' 6275.' ;085D* * 1 7' "0B09D' ;9.' .20' .@:0' 0I24;4.6' .<7' 98F0D' C09' 6.89D49B' <4.2' 6:0856 2' 6.85' 7?05' .20' 208D' 73' 08=2' 246' 506.750D' ;@' 58 89' 46' ?05@' 5850* \' B7"D' =749' 73' .20' 24B206.' 5854.@' <4.2' 68C0' "0B09D' 79' .20' 7;?0560' 286' .<7' 208D6' 73' @7A9B' C09' AB8.0D' 08=2' <0854 9B' .20' :4"0A6' 89D' "8A508.0D' .<7' 6.856' 7?05' 208D* * *1 20' <8""6' 73' 8' .7<9' 7?05' .20' B8.0' 73' <24=2' 46' 496=54;0D' 6 S @ 4' 1 0=' ;0"7<* H' 97.205' D09854A6' 73' .246' 38C4"@ 286' 79' 790 790D' 7:49479' .7' =75506:79D' .20' C76.' ="760"@ 64D0' ' ' ' .<7' AB8.0D' 208D6' 73' @7A9B' C09' "8A508.0D* 1 00' ! 6 1 =' 6 4=4' =' ' <7' C4"4.85@' 34BA506' <4.2' 6:0856' 6.89D' :749.49B' <4.2' .2045' 54B2.' 289D6' .7' 8' 67<' <24=2' 46' "@49B' 79' .20' B57A9D' ;0.<009' .20C* (27' .20' ' 05?4A6' #A3A6' 73' .20' 3456.' .<7' =7496' <86' 46' 8' C8..05' 73' A9=05.849.@' 7C0' 05AD4.0' 89.4SA8540 6' ;0"40?0' 24C' .7' 28?0' ;009' .20' 679' 74' =5' A":4=4A6' #A3A6' 2' =0";58.0D' A546G =796A".' .20' 35409D' 73' 4=057' 89D' <27' <86' =796A" *=' H' 83.05' .28.' 28?49B' 0C;58=0D' .20' 64D0' 73' .0685' 20' <86' 609.' 79' 8' C46647 9' .7' 9.79@' 8.' .20' .4C0' 73' .20' 9.49096489' <85' (27C' .20' 208D' 79' .246' D09854A6' <86*C089.' 375' 286' "4F0<460' ;009' C8D0' .20' 6A;0=.' 73' 8' =79G .57?056@' 6.4"" A9D0=4D0D' 89D' 90?05' <75.2' .20' :8496' 2M_.7<0D' A:79' 4.' 28.' .20' .<7' 6.89D49B 34BA506' <050' C084.' 375' .20' . M600' .20' <75DN' 46' :"849"@ 49D4=8.0D' ;@' .2045' =8:6' 89D' 7.205' 8..54;A.06' 20' 508679' <2@' .20' .@:0' 73' .20' 60=79D' D09854A6' <86' 8D7:.0D' 8:.0856 .7' 2850' ;009' .28.' 05?4A6' A":4=4A6' 8' C4"4.85@' .54;A90' 49?06.0D' <4.2' =796A"85' 8A.2754.@' 286.090D' 357C' #7C0' <4.2' 89' 85C@' 89D' 506=A0D' A6=A"?IC' <209' :50660D' <4.2' 8' ="760' 604B0' ;@' .20' 8.496* 1' A.' 4.' 600C6' 357C' 4=057' .28.' 49' 246' .4C0' .2050' <86' 8' .0C:"0' D0D4=8.0D' .7' 86.75' 89D' 7""AI' 8.' A6=A"AC* 1 06.A6' 8"67' 6.8.06' .28.' 86.75' <86' <75624::0D' 49' .28.' .7<9' 9' 8==7A9.' 73' .246' 2050D4.85@' 2797A5' 97.' 79"@' .20' C76.' ?09058.0D' D4?494.406' 73' .20' 4 46=A"896' ;A.' .20' ?05@' .7<9' 73' A6=9"AC' 4.60"3' 850' 0I24;4.0D' 79' .20' :50G 0C4909."@' 5850' B7"D' =749* 0F2D' 503056' .7' .20' . 8"67' .20' .<7' 208D6' 79' .20' 7;?0560' 73' .20' .245D' =749' 8".27AB2' .20' "0..056' ' # %' 850' 496=54;0D' 9085' .20C' 08D6' 64C4"85"@=79 7490D' "8A508.0D' 89D' 6A5C7A9.0D' <4.2' 6.856' 850' "4F0<460' 37A9D' 79' D09854' 73' .20' 79.048' 38C4"@' (4.2' .20' 8DD4.479' 73' ' M*0' # %' A.' 6.4"" C750' 0I:"4=4."@' 79' =7496' 73' .20' 38C4"@' <0' 508D' . ' # 8.' 3A"" "09B.2' 9085' 208D6' 64C4"85"@' @7F0D' .7B0.205' 04.406' 49' 8:440858A=0' D4330509.' M;0=8A60' .20@' 850' D4330509."@' D0"4908.0D' 79' 7.205' =7496N' 850' 49' 508"4.@' 4D09.4=8" <4.2' .2060' 476=A54' 20' . ' # <050' 67' =7""0D' 8==75D49B' .7' 4=057' ;0=8A60' .2045' 98C0' <86' D054?0D' 357C' # .20' 98C0' B4?09' .7' 0?05@.249B' 08.09' ;@' C89' 75' 357C' .20' 38=.' 73' .2045' 28?49B' .2045' 64.A8.479' <4.249' .20' 27A60' <209=0' 8"67' .20@' 850' 28""0D' ;@' .20' :70.6' 1 00' 20' 50?0560' .@:0' 73' .20' .245D' =749' 286' B4?09' 5460' .7' 2' D4330509=0' 73' 7:49479' 8C79B' "08590D' %4AC46C8.46.6' 7C0' 28?0' :5730660D' .7' 50B85D' 4.' 86' 0I24;4.9B' .<7' 73' .20' =7C:894796' 73' * 9086' <27' 3456.' ;020"D' .20' <24.0' 67<' 99D05' .20' 78F" %' <4.2' 205' "4..05' 73' .245.@' .7' <24=2' 855S' 89D' 45B4" ;7.2' 8""AD0* 1 .2056' 6A::760' .28.' 4.' 50"8.06' .7' .20' .508.@' 58.4340D' ;0.<009' A A6' 76.4""489A6' 89D' 0.4A6' 2?A33=.496' ;@' .20' 68=5434=0' 73' 2' :4B* 1 54=4A6' 79' .20' =79.585@' .249F6' .28.' .20' . ' # M<27C' 4.' <86' 97.' A9A6A8" .7' D0:4=.' 85C0D' <4.2' 6:0856' 89D' 49' <85"4F0' =76.ACON' 850' 0I24;4.0D' 49' .246' 496.8A=0' 8"67* 1 =F20" M?74' ' :" H> E>,N' 24C60"3' =7964D056' .246' "86.EC09G :A;"4=' 67"0C94.406' 75' 54.06' =7990=.0D' <4.2' .20' <75624:' 73' .20' 098.06' 627A"D' 8"<8@6' ;0' =0"0;58.0D' 8.' 8?494AC" 967CA=2' .28.' <209' 4.' <86' 8""0B0D' 8B8496.' " C4"486' =895A6' + + ' F ' 86' 8' =54C498" =285B0' .28.' .20' :A;"4=' 67"0C94.406' 49' 2797A5' 73' .20' 44' 098.06' <050' .257AB2' 246' 90B"0=.' 7C4..0D' .7' ;0' :05G 375C0D' 8.' 8?494AC' <4.2' .20' 67"0C94.@' D0D' .7' .2760' 68=50D' 7;605?89=06' 20' ?05@' 98557<"@' 06=8:0D' 8' 609.09=0' 73' =79D0C98.479' $ ' .20' :07:"0" M 00' 6=794A6' 79' 4=057' :57' =8A57"N 2060' .06.4C7940 6' ;049B' 67' ="760"@' 49' 8==75D89=0

6@C;7" 73 .2045 4C:0548" 37A9D05L6 4CC75.8" B"75@ 89D <0 600 .28.' 0?09 83.05 246 D08.2 .20@ 6.AD47A6"@ 8D7590D .2045 C0D8"6 <4.2 8 50:50609.4.479 73 .246 :8"CE6A5C7AA.0D 8".85*Q

2050 46 897.205 3456.' ;5866 <4.2 64C4"85 7;G ?0560 ' ;A.' .20 50?0560 0I24;4.6 .20 494.48"6 =# # # # <4.249 89 78F09 =57<9*

^ 20 '$ ' 75 <508.2 73 78F"08?06 ;049B .20 =4?4 =57<9 <86 6.5A=F 79 C76.'=7496 73 =7"79406 99D05 ABA6.A6 49 2797A5 73 .28.' 0C:0575 86 .20 "4;058.75 73 #7C89 =4.4\096*

7.2 .20 8".85 89D .20 78F =57<9 8::085 79 C0D8"6 73 .246 =7"79@ D0D4=8.0D .7 4;054A6 1 8 38=.' <2=2 :57?06 .20=79.49A89=0 73 .20 <75624:' 509D050D .7 ABA6.A6 ;@ .20 4928;4.89.6 73 8558=7 89D .2045 D46:764.479 .7 =20546Z 89D :05:0.A8.0 .20 50C0C;589=0 73 .20 :8"C .500 B57<49B 79 246 8".85 86 8 C85?0""7A6 0?09.*Q

9 897.205 3456.';5866 6.5A=F 8.' 8558=7 46 6009 79 790 64D =# ?# ! 1<1 ' 89D 8 6:"09D4D .0C:"0 73 04B2.' M49 67C0 .09N =7"AC96 79 .20 7.205 89D .20 6.8.A0 73 ABA6.A6 <4.2 58D48.0D 208D 608.0D 83.05 .20 3862479 89D 8..4.AD0 73 KA:4.05 27"D49B 49 .20 "03.' 289D .20 ;86.8 89D 49 .20 54B2.' 8 M 9 7.205=7496 8 :8.058N*1 0D : :# " 73 .246 4=.47985@*

^ 20 8558=790964896 <2<4"6.' 86 @0.' ABA6.A6 <86 "4?49B 89D 0?09 6A330549B 86 8 64=F C89 <4.249 .2045 <8""6 :84D D4?490 2797956 .7 24C 86 790 49 508"4.@ 4CC75.8"# (4.2 &500F 8DA"8G .479 M86 84 89.' 7;605?06N :50.09D49B .7 50=7BG 9460 24C 97.' C050"@ 86 .M7;.8494 9B D0434=8G .479 .2579B2 .20 =050C7948" 73 .;0 8:7.207646N ;9.' 86 .".206 0 =7"7946.6 58460D 8 6.8.A0 .7 24C <2=2 .20@ :"8=0D 49 8 C8B9434=09.'.0C:"0 =7960=58.0D 86 .246 C0D8" 620<6 ' ', a 8?05=8C:' M49 6 % 50G 3056 .7 85.7"7L6 09B58?49B 73 .246 =749 <2=2 :"8=06 8 :8.058 496.08D 73 8 34BA50 8 6.8.A0 .7 ?4=.75@ C .20 54B2.' 289D 73 .20 0C:0575*1 0""0549 " = 4# >[[N 0D4.6 .<7 =7496 73 8558=7 790 D0D4=8.0D .7 9B96.A6 .20 7.205 .7 &8496 89D A=4A6 &C6850 6 .20 50?0560 6 73 ;7.2 <2=2 28?0 375 "0B09D =# ? $ .2A6 C85F49B .20 98C0 73 .246 =7"79@ ;@ 4.6 .2500 3456.' "0..056 496.08D 73 .20 649B"0 494.48" +' 86 4.' 46 79 8"" .2760 =7496 73 8558=7 :A;"4620D ;@ 84 89.*

.205 C0D8"6 73 .246 =7"79@ ;085 .20:75.584.6 73 4;054A6 KA"48 5A6A6 89D &05C894096*

F49B 75 B09058" 73 .20 8;4906 <27 4928;4.0D .20 =4.@ 73 &A506 <4.2 <27C .20 #7C896 <8B0D .20 3456.' <85 246 ;58?0 =2403G .849 :57?0D 8 375C4D8;"0 090C@ .7 .20 .209 49389.'=7"79@ 73 #7C0 <4.249 <2760 <8""6 20 89D 246 67"D4056 69==00D0D 49 :090.58.49B 89D .20@ <7A"D :0528:6 28?0 D06.57@0D 4. 43 .20 8;490 <7C09 <27C .20 #7C896 67C0 .4C0 ;03750 =8554 0D 733 28D 97.' C8D0 .20C60""?06 .20 C0D4AC 73 =796ACC8.49B :08=0 ;0.<009 .2045 2A6;89D6 89D .2045 7z?9:8509.6 20 .<7 :07:"0 ;0=8C0 994.0D 86 790 8.' .;0 0I:0960 73 .;0 :7<05 73 #7C9"A6 375 20 62850D .20 3A9=.4796 73 57@8".@ <4.2 8.4A6 89D 8DC4..0D 49.7 .20 6098.0 790 2A9D50D 73 .20 :549=4:8" 8;4906 8.4A6 <86 6779 83.05 866866498.0D 89D 28D 97 6A==06675* 1 9 8 D09854A6 73 .20 38C4"@ .2050 46 8 98F0D 89D ;085D0D 208D <24=2 8==7C:8940D ;@ # 49 C797B58C 89D .;0 "0B09D 4<^.20 4.A544 .2A6 5030554B .7 .2045 8;490 754B49 0 46 B09058 @=7964D050D ;@ 9AC46C8.46.6 .7 ;0 C089.' 375 .28.' 73 8.4A6 .20 8;490*

46=79.4 49 246 + 6 50C85F6 .28.' =05.849 D09854 73 .20 89D 38C4"406 :50609.' .<7 ?05@ 375=4;"0 496.89=06 73 .20 08B059066 <4.2 <24=2 .2760 #7C89 C806G .58"06 <27 :5064D0D 7?05 .20 C49.' 73 .20 50E :A; =8?84"0D .20C60""?06 73 0?05@ 7:::75.A94.@ .7 A94.0 38C4"@ :50.0964796 <4.2 246.754=8" 38=.6 49 .20 "0B09D6 89D .@:06 73 .2045=7496 .' 46 .2A6 .28.' 4.A54A6 8;4AA6 89D 0..4A6 8;49A6 KAD0I C8B46.58.06 <27 :54D0D .20C60""?06 79 .2045 D06=09.'357C .20 89=409.' 8;4906 89D :57G ;8;"@ 357C 8.4A6 24C60"3 28?0 =8A60D .20 208D 73 .246 =2403.849 .7 ;0 09B58?0D 79 .20 =7498B0 73 .2045 506:0=.4?0 38C 406 9 ;7.2 .20 C0D8"6 49 SA06.479 <0 8==75D49B"@ 600 .20 208D 73 8.44A <4.27A.' 7598C09. 9D 79 .20 50?0560 73 .20 4.A5489 D09854A6 .20 8;4906 850 50:50609.0D 86 49 .20 8=.' 73 7?05<20"C49B <4.2 .2045 ;A=F"056 .20 ?45B49 85:048 <27 28D A6.';0.58@0D .20 =8:4.8" 49.7 .2045 289D6 20 :76.054.@ 73 8.4A6 D7A;."066 <4620D .7 D7 2797A5 .7 .20 37A9D05 73 .2045 58=0;@ C8B94306.49B 246 28.50D 73 584.756 0?09 <2<4"6.':5734.49B 357C .20 .508679*1 9 .20 D09854A6 73 .20 0..48 38C4"@ <0 600 ;0249D .20 208D .20 <75D " A6 ;049B .20 6A598C0 73 8 ;589=2 73 .28.' 38C4"# 20 C797B58C =7C:760D 73 8 # 89D 89 *' B4?06 .20 .<7 494.48" "0..056 73 .20 98C0 20 .<7 "0..056 # &*1 F 8 1 C85F .20 38=.' .28.' 4.A6 F - =8A60D .246 40=0 73 C790@ .7 ;0 6.5A=F ;@ .;0 8A.2754.@ 73 .20 6098.0 T 20 ;085D0D C89 <27 6.89D6 49 8 =85 D58<9 ;@ .<7 275606 M8DD6 46=79.4N 46 :57G ;8;"@ 8.4A6 24C60"3 20 :8"C ;589=2 <2<4=2 79 .20 3456.' D06=54;0D C0D8" 46 8.' .20 64D0 73 .20 :75.584.' 46 79 .20 60=79D =749 6009 ;0249D .20 34BA50 73 8 8;490 :549=0 89D ;0856 8""A6479 .7 246 ?4=.75406*U ^ 85.'4*' ::# >HE> *Q

1 ;A"" <86 4CC7*8.0D 8.' .20 8".856 73 60?058" 73 .20 :8B89 D04.406*1 45B4" :749.6 .7 .<7 49 :85.4=A"85 1

'E + ' Q) '+ $' +

.' <86 8"67 68=50D .7 KA:4.05 89D .7 .20 B@:.489 B7D -+ 1 #0:50609.0D 79 #7C89 =7496 .246 894C8" 46 .20 6@C;7" 73 8' ' C 75.5896:"89.0D =7"79@*1 20 34BA50 73 8' ;A"" 8::0856 79 C89@ 38C4"@ =7496 89D 8"67 79 9AC057A6 4C:0548" C0D8"6 357C KA"489D 9B96.A6 D7<9 .7 KA"48998 *' 04.205 86 8 68=5434=48" ?4=.4C 75 8.' "85B0 6.89D49B ' <8"F49B 5A9949B 75 ;A..49B <4.2 4.6 27596*

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&

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+ 75' U 5' 1 20' .0C:"06' 73' D04.406' 50:50609.0D' 79' #7C89' =7496' <050' .2760' <24=2' .7' 620<' .2045' T':40.@' U' <050' 050=.0D' 8.' 3456.' ;@' .20' 6098.0' 89D' :07:"0' 89D' <24=' 83.05' .20' 0I.49=.479' 73' .20' =796A"85' B7?059C09.' }050' 04.205' ;A4".' 75' 506.750D' ;@' D4330509.' 0CG :05756# 20@' <050' 8"67' 37A9D0D' 49' 2797A5' 89D' 375' .20' <75624:' 73' M2760' 0C:05756' .20C60"?06' 86' <0"" 8.' #7C0' 86' 49' .20' :57?49=06# ^ 00' :89204C' # 44# H' 60S*Q 1 .' #7C0' <209' 8' .0C:"0' <86' 8;7A.' .7' ;0' =796.5A=.0D' 6.54=.' 50G B85D' <86' 28D' .7' =05.849' 5A"06' 73' ' 89D' 73' .' <86' A9D05' .20' 375C6' :506=54;0D' ;@' .20' A6C56' 86' 49.05:50.056' 73' .20' <4"" 73' .20' B7D6' .28.' .20' 6:7.' <2050' .20' .0C:"0' <86' .7' ;0' :"8=0D' 89D' .20' 6:8=0' 4.' <86' .7' 7==A:@' <050' D0.05C490D' 9:79# 20' 64.0' <86' .209' :A5430D' 89D' .20' 37A9D8.479' 6.790' "84D' ;@' .20' C8B46.58=@' 8C4D6.' .20' 67"0C9' 54.06' 73' .20' :5406.277D' 49' .20' :50609=0' 73' .20' :07:"0# 20' .0C:"0' 28?49B' .2A6' ;009' 37A9D0D' .20' =050C79@' 73' D0D4=8.479' <86' :05375C0D' ;@' .20' =796A"6' 75' ;@' .20' 0C:05756' 75' 67C0.4C06' ;@' 5' 6:0=48""@ =2760' <4.2' .20' :07:"0L6 =79609.' 89D' 99D05' .20' 8A.2754.@' 73' .20' 6098.0# 9*.2060' 7==864796' .20' :5064D49B' :S:.433' 8997A9=0D' 49' 2' 60.' 375C' 73' <75D6' .20' 8::57:548.479' 73' .20' 0D434=0' .7' 68=50D' :A5:7606/ 20' .209' :57=00D0D' .7' =7960=58.0' 4.' ;@ "8@49B' 246' 289D' 79' .20' D775G :76.6' 8.' .20' 09.589=0' 73' .20' .0C:"0' 89D' .209' 37""7<0D' 68=5434=06' 89D' :A;"4=' B8C06*

A4"D49B6' =8""0D' =3=0 F ' D43305 0D' 8==75DG 49B' .7' 855s' 357C' + 4986CA=2' 86' .20' 375C05' .27AB2' =7960=58.0D' "4F0' .20' "8..05' <050' 90?05' 498AB4C8.0D' 975' <050' .20@' D0D4=8.0D' ;@ .20' 8A.2754.@' 73' .20' 6098.0# 20' 5' <7A"D

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9 0I8C : "0 73 .246 F49D 46 733050D 49 .F0 3490 *64""?05 C0D8""479 73 73 .86 <2=2 :50609.6 2 .0C : "0 73 64I =7"AC96 <4.2 # W $ & 444 79 .20 :0D4C09. 89D # # " ' % 79 08=2 64D0 73 .20 0D434=0 =7CC0C758.4?0 86 8=4.A6 89D 479 ;7.2 620< 73 6A=2 8 6.5A=.A50 ;049B 58460D <4.2 .20 86609. 73 ABA6.A6 ;@ T .20 =7CC79<08".2 73 648*U <7 50C85F8 ; "0 =7496 73 8D5489 ;085 <4.9066 .7 8 64C4"85 2797A5 :84D .7 .28. :549=0 DA549B 246 "430 .4C0 ;@ .20 4.2@94896 1 .20 790 496=54 ;0D " $ ' " * 3 % 89D <4.2 67 # # # ??# M79 897.205 4. 46 # :# 4.# %*N 79 .20 3579. 73 8 .0C : "0 <4.2 04B2. =7"AC96* 1 ;5866 C0D8""479 73 8D5489 0I24 ;4.6 8 .0C : "0 <4.2 .<7 =7"AC96 89D .20 496=54 :.479 # # j, # + # =# <7A"D 600C .7 49D4=8.0 .28. .246 85=24.0=.A58"# 7 ; 0=. 28"# 5030509=0 .7 67C0 68=50D 389 D0D4=8.0D .7 .20 68C0 0C : 0575%6 27A795 8. #7C0# 2050 850 2F0<460 C89@ &500F 4C : 0548"# C0D8"6 73 05B8C96 C@598 89D 4=7C0D48 6.5A=F A9D05 ABA6.A6 4 ;054A6 5B 89 9.7949A6 4A6 # A50"4A6 759E C7DA6 858=8""8 =*' ;049B 50 :50609.8.4796 73 .0C : "06 67C0 73 .20 C76. C8B9434=09. 73 <24=2 <050 58460D 89D =7960=58.0D .7 .2760 :549=06 506 : 0=.4?0"@# A; 7490D 46 8 3A5.205 97.4=0 73 .0C : "06 375C05"@ 0I46.49B R ' * 89D <24=2 86 <0""" 86 .20 D4?494.406 <75624 : : 0D .2050 850 .@ : 4340D 79 =7496 73 .20 4C : 0548"# C49. ?4\/1 + + # 1 =.8?489M;0375 0 20 <86 =8""0D 9B96.A6M ;A4".8 .0C : "0 .7 : 7""7 79 .20 8.490 4#* 9D00D 8==75D49B .7 479 49 .20 @085 , 20 24C60"3 ;750 <4.9066 .7 4.6 D0D4=8.479 86 46 50=75D0D 79 .20 C85 ; "0 73 9=@58/1 #0 = $ # 00! ! ' ! '# 0 ! ' 4* 1 3.05 .20 7?05.257< 73 9.79@ 8. =.49C 062 2797A56 <050 :84D ;@ ABA6.A6 .7 .246 8"8.490 :7""7 .7 <27C <0 8"67 349D 2 D0D4=8.75@ .@ : 0 89D 496=54 : .479 79 8 ;5866 C0D8"6 "479 73 7CC7D96 86 0D4.0D ;@ 84""89. 357C .20 0 8C :6 =8 ;490.* 1 00 # 0 ' # 0 ! + * ' '; 1 28. 0 : .4C496 0?0C6 58460D 8 C8B9434=09. .0C : "0 .7 .2060 .<7 D04.406 46 : 57?0D ;@ 3456. 89D 60=79D ;5866 =7496 86 <0""" 86 ;@ 8 ;579\0 C0D8""479 73 .28. 0C : 0575 1 00 # <* + 1 9 .20 50?0560 73 2 64"?05 =749 6.C0F ;@ 790 73 .20 C790.8"# .54AC?456 73 KA"4A6 80685 <0 600 8 .0C : "0 <4.2 379. =7"9.996 49 3579. 89D .20"0B09D= 4 46"# M 00 .20 <75D6*N =F20"# :"8=06 .246 C0D8"# A9D05 .20 D8.0 ?*=# , *=# 89D SA7.06 479 86 246 8A.2754.@ 375 6.8.49B .28. 49 .20 8;7?0E98C0D @085 4. <86 D0=500D .28. 8 .0C : "0 627A"D ;0 D0D4=8.0D .7 0=685 89D .7 ':' 89D .28. # 9.79@ 86 ! - ; M 5406. 73 KA : 4.05M 627A"D ;0 8 : : 749.0D .7 7334=48.0 49 4. 86 : 5406.# 2050 46 2 : 8668B0 49 : : 489 =7990=.0D <4.2 .246 38=. 89D "A.85=2 8"67 .7A=206 A : 79 4. 8DD49B .28. .20 D0=500 49 SA06.479 ;06.7<0D 97. 485D79 79"@ ; A. 2797A56 79 0685L6 090C406# "49@ "4F0<460 68@6 .28. K9"496 <86 8==799.0D $; 7.2 ;@ =79.0C : 758907A6 348..05@ 89D ;@ .20 ?74=0 73 : 76.054.@ 1 ' + + ' + ' 0 ' 0 ' ' + ' ' + M # # # ?44*

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0# >[N# 9D # 950"496 49 8 "0..05 .7 246 <430 8A6.498 <"44=2 8"09.498 &8""4=8996 286 :50G 605?0D 30@6 A 'MD0C09.48N ' ' $ *1 00 "0 ! ! " 4 1<J : # 43 jW< # 9 4 "* 1 .0C : "0 <4.2 04B2. =7"4A996 49 3579. <4.249 <24=2 850 .<7 34BA506 8 : : 085 49 .20 49.05E=7"AC948.479 89D .<7 C750 79 .20 6.0 : 6 73 .20 ; A4"D49B* 1 246 "0B09D 89D .@ : 0 850 37A9D 79 B7"D 64""?05 89D 3456. ;5866 73 9.7949A6 496 2050 46 "4F0<460 8 64""?05 =749 73 .20 68C0 C : 0575 ;08549B .20 68C0 .@ : 0 ; A. 28?49B 375 "0B09D 27 & # # # * #0 : 50609.8.4796 73 .20 .0C : "0 73 9B96.A6 3456. 8 : : 085 79 C0D8"6 73 4 ;054A6 6.5A=F 8 ;7A. .20 @085 ?*=# " 8"67 79 =7496 73 8"4BA"8 49 ?8547A6 @0856 73 246 @04B9* 1 20 C0D8"6 73 4A6 2050 SA7.0D <050 6.5A=F 49 .20 @085 73 #7C0 .3 , 9 , [aN 89D 49375C 96 <28. 246.75@ 286 7C4..0D .7 C079. ?4*/ .28. .20 .0C : "0 73 9B96.A6 <20.205 38""09 49.7 D0=8@ 357C .4C0 75 49 A50D 357C 7.205 =8A606 <86 506.750D ;@ .20 50?0509.48"# :40.@ 73 9.7949A6 4A6# 2050 46 0?05@ :57 ;8 ;4"4.@ .28. 73 .20 .<7 4C8B06 <24=2 8 : : 085 <4.249 .20 .0C : "0 790 46 .28. 73 4?46 "- ' 86 620 46 =8""0D 79 8.49 =7496N <430 73 ABA6.A6 375 479 6.8.06 .28. D4?490 2797A56 <050 =7930550D A : 79 205 ;@ 205 B589DG 679 "8AD4A6 <27 D0D4=8.0D 8 6.8.A0 .7 205 49 .20 .0C : "0 73 ABA6.A6# =F20"# 97.4=06 86 8 =45=AC6.89=0 <75.2@ 73 7 ;605?8.479 .28. .246 .0C : "0 733056 4.60"3 49 .20 : 50609. 496.89=0 A9D05 85=24.0=.A58"# 308.A506 D4330509. 357C .2760 <24=2 D46.49BA462 .20 68C0 .0C : "0 86 0I24 ;4CD 79 = 496 73 4 ;054A6 89D 73 8"4BA"8 8 ;7?0 8""AD0D .7*1 (20.205 .246 D46=50 : 89=@ 85760 357C 9.7G 949A6 28?49B 8.050D .20 375C 49 506.7549B .20 6.5A=.A50 73 .20 .0C : "0z 75 <20.205 4. <86 ;0=8A60 .20 0D434=0 50 : 50609.0D 79 .20 C0D8" 8 ;7?0 D06=54 ;0D <86 97. .20 68C0 86 .28. .@ : 4340D 79 .20 =7496 73 4 ;054A6 89D 8"4BA"8 M375 0I# #A3446 ;064D06 .20 .0C : "0 73 ABA6.A6 49 .20 04B2.2 50B479 C09.4796 897.205 D0D4=8.0D .7 .20 68C0 C : 0575 49 .20 37A5.2 50B479 8. #7C0N z 75 <20.205 .20 C49. C86.056 49 D0 : 4=.A549B .20 3579.6 73 .0C : "06 <050 8"<8@6 384.23A"# .7 .20 744B498"6 850 SA06.4796 <24= 7A5 4""96.54796 &05C89 9AC46C8.46. 86F6 <4.27A. 7330549B 89@ 67"A.479 73 246 7<9*1 A. 4. 286 8"508D@ ;009 620<9 .28. 09B58?056 73 4C : 0548" C0D8"6 ;7.2 &500F 89D #7C89 <050 49 .20 28 ;4. 73 .8F49B "4 ;05.406 <4.2 8502 4.0=.A58"# D0.84"6 .7 6A4. : A5 : 7606 =7990=.0D <4.2 .20 49.57DA=.479 73 34BA506# 9D .20 .5A.2 73 .20 =. 506 : 0=.49B <24=2 49 .20 8 ;609=0 73 8""# 246.754=8"# 50=75D 246 C0D8"# 3A5946206 .20 ="08506. :5773 50C8496 06.8 ;"4620D 49 .20 "0B09D <24=2 8664B96 .7 9.7949A6 496 .20 2797A5 73 28?49B 49 246 37A5.2 =796A"8.0 + $ * 1 ^ 00 % ?7"# ?44# :# >[*E 00 8"67 8 :86649B 5030509=0 .7 .246 =749 49 :# ,> 73 .246 4=.47985@ 89D .20 <75D ! " ! P + - *1 00 - 89D ! "0 00 8"67 *' =*' ! "0 ! + - + 1 3456. ;5866 73 06 :86489 286 375 .20 .@ : 0 73 4.6 50?0560

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D79489' D9BD7C' .7' .20' 6.8.0' 73' 8' 7C89' :57G ?49=0' 89D' "4F0C60' 503056' .7' .20' C8B9434=09=0' 73' .20' .54AC : 2' <4.2' <24=2' 49' .20' @085' 73' #7C0' ' 843""A6' <86' 2797A50D' 375' .28.' 64B98" 8=240?0C09. 1 8'.54AC : 2' .289' <24=2' 375' <08".2' 73' 6 : 74"6' 89D' B75B07A69066' 73' <85"4F0' : 7C. ' 97.249B' M8==75D49B' .7' .20' 7"D' <54.056N' 28D' .4""' .209' ;009' 0124;4.0D' C750' 6 : "09D4D' 75' 79' 8' B589D05' 6=8"0" 20' .@ : 0' 73' .246' C0D8"' 50 : 50G 609.6' .20' ='796A"' =" 7.20D' 49' .20' .7B8 ' 6.89D49B' 79' 790' 64D0' 73' 8' .57 : 2@ ' <4.2' 246' 54B2.' 289D' 6.50.=20D' 375.2' 86' 43' 20' <050' 49' .20' 8=.' 73' D0"4?0549B' 67C0' =7CC89D' .7' 0560A6 ' <27' 24CG 60"3'6.89D6' 79' .20' 7 : : 764.0' 64D0 ' <4.2' 246' 289D6' .40D' ;0249D' 24C ' 89D' 8==7C : 8940D' ;@' .<7' =24"D509 ' 246' 6796 ' <4.2' <27C ' 86' 246.75@' 49375C6' 96 ' .246' A928 : : @ ' : 549=0' 37""7<0D' 49' =28496' .20' .54G AC : 28"' =28547.' 73' .20' ?4=.75"' #06 : 0=.49B' .246' 50C85F8 ; "0' =749' .2050' 46' C9=2' 49' : 89204C' $# ' 44" >> N' ; A.' 4.' 46' : .030550D' .7' .8F0' 8D?89.8B0' 73' .20' ; 540305' 89D' C750' A603A" 7 ; 605?8.479'6' 73' =F20" ' <27' 50B85D6' .20' 0 : 4B58 : 2' ' + ' 86' 8C ; 4BA7A6 ' 375' 04.205 ' 68@6' 20 ' 4.' 64B943406' .20' DA58.479' 73' .20' .54AC : 28"' 2797A56' .7' 28?0' ; 009' 0I.09D0D' 7?05' 8' 6 : 8=0' 73' .2500' D8@6 ' 357C' .20' 37A5.2' F8"09D6' 73' 0=0C ; 05 ' 73' .20' @085 8 ; 7?0EC09.4790D ' 73' <24=2' "75A6' M " 44" =" ,>N .2A6' 6 : 08F6 1 0 ++ ' 7 ' + ' + ' # ' ' ') 0 :' 0 ' '+ 0 5' ':' ' + ' + 0 ' ' + ' M8"86 ' : 775' 38""09' C7985=2' N 5'4.' C0896' .20' .2500' .54AC : 26' 73' 89""A6 ' 790' 73' <24=2' <86' 375' 246' ?4=.75406' 7?05' .20' 4BA54896' ' .20' 60=79D' 7?05' 0560A6 ' ' .20' .245D' 50C8496' A9=05.849 ' M97.<4.26.89D49B' <28.' .20' 49D038.4B8 ; "0' 4B24A6' =7A"D' B"089' 357C' 0""0496*N' A.' .28.' .2050' ' .2500' D46.49=.' .54AC : 26 ' 46' 8' 38=.' <24=2 ' 27<0?05' =79.57?05.0D' ;@' 67C0' 89.4SA85406 ' 50=04?06' =79345C8.479' 357C' 8' C85 ; "0' 6.4""' 0146.49B' 8.' #7C0 ' 89D' <24=2' 46' SA7.0D' ;@' 4B24A6' 86' 37""7<6/1 " " " " " " & " & #" # " #* 1 20' 7 ; ?0560' 73' .20' C0D8"' 49' SA06.479' ; 0856' 375' "0B09D' ' # u_' 89D' 375' .@ : 0' .20' ?04"0D' 208D' 73' 79=75D* 1 0C' ' 38C4"@* #$ 8' : "0 ; 0489' 38C4"@ <2760' 6A598C06' 79' 4.6' #7C89' =7496' <050' ' 89D' n ' 2050' 850' 37A5.009' 9AC46C8.4=' ?8540.406' ; 0"79BG 49B' .7' .246' ' .20' ;5866' : 40=06' 73' <24=2' 850' .20' ' 75' 67C0' 73' 4.6' : 85.6 ' 75' 6.5A=F' ;@' .20' C790@056' 73' ABA6.A6 ' 20' 37""7<49B' 46' 8C79B6.' .20' C750' 5850' 49' 64"?05 / 1 ## ' # ' " 1 085D0D' 208D' <4.2' D48D0C ' 34946249B' 49' .20' 375C' 73' 8' 05C49A6* * 1 &" # " " 9' 08B"0' 89D' D7" : 249' <4.2' 6=0 : .50' 050=.' ; 0.<009' .20C* " 0509.4A6' 855s ' <27' 79' 8==7A9.' 73' 246' 649BA"85' 8 ; 4"4.@' 89D' 01.0964?0' 8=SA450C09.6' <86' 2797A50D' <4.2' 28?49B ' <24"6.' 6.4"" "4?49B ' 246' 6.8.A0' ; "8=0D' ;@' 649498' 7"447' 49' .20' 4 ; "47.20=8 ' 8.' #7C0 ' 28D' 8' 24B2' =7CC89D' 99D05' 7C : 0@' .20' &508.' 49' .20' <85' 8B8496.' .20' 458.06 ' 89D' 375' 246' D46.49B9462OD' 01 : "74.6' 49' .28.' <85 ' 8.' =7CC89D05' 73' .20' 3"00.' 49' .20' 79489' 608 ' <8B

* 1 # # *

50<85D0D' <4.2' 8' 98?8" =57<9 ' 8.0.20' 289D6' 73' 246' 4""A6.547A6' =2403" 20' 8 ; 7?0' D09854A6' 620<6 .28.' 855s ' 49'.28.'85DA7A6' =79.06. ' <86' 7C : 0@L8 + 0 ' 9D' .28.' 4.' <86' 6.5A=F' DA549B' .20' ' + ' 46' 509D050D' ="085' ; @' .20' 98C0' ' <24=2' 28D' 8"508D@' ; 00A' 866AC0D' ; @' 7C : 0@* 1 75' 64C4"85' 7 ; ?0560' 89D' 50?0560' 600' # + ' 38C4"@* 1 9' .20' =4?4" <85 ' 20' <86' =7CG : 0""0D' 8.' "09B.2' .7' 6A5509D05' 24C60"3' .7' 6=685" 20' 208D' 73' .20' 7 ; ?0560' 46' ; @' 67C0' .27AB2.' .7' ; 0' 49.09D0D' 3A5' .28.' 73' %A459963' 7.2056' C8F0' 4.' 8' - + ' ; :' ; 7.2 ' 27<0?05' 850' C050' =79 0=.A506* # * 1 0509=0' 67' =0"0 ; 58.0D' 375' 246' D58C8.4=' <54.49B6' <86' 8' 98.4?0' 73' 85.28B0' 89D' .20' 6"8?0' 73' ' <27' 49' =7964D058.479' 73' 246' B094A6' 89D' C054.' B09057A6"@' B8?0' 24C' ; 46' "4 ; 05.@" 246' $ ' + + ' "4?0D' 79' .05C6' 73' 49.4C8=@' <4.2' C89@' 97 ; "0' : 056?98B06' 89D' 06 : 0=48""@' <4.2' =4 : 47' 354=8976' 89D' " 60"4A6' 1 A.' .27AB2' #7C0' <86' .20' 6=090' 73' 246' 38C0' 246' 86206' <050' 97.' D06.490D' .7' 50 : 760' .2050" 0' 46' 684D' .7' 28?0' D40D' 8.' .@C : 28"96' 49' 5=8D48' 357C' D460860' ; 57AB2.' 79' ; @' B5403' 375' .20' "766' 73' C89@' 73' 246' =7C0D406" 1 C79B6.' .20' =79.75948.06' 46' 790' 79' <24=2' 8 : : 0856' .20' 98C0' 73' $ ' 89D' .20' 98F0D' 89D' ; 085D"066' 208D' 73' 8' C89 ' 79' .20' 7.205' 64D0' 46' 8' <506."05' 75' 8' @7A9B' C89' "08D49B' 8' 27560' ; @' .20' ; 54D"0" 3' .20' 98C0' 496=54 ; 0D' 79' .20' 50?0560' 79"@' .20' "86." "0..056' 850' D46=0594 ; "0' * * * * ' 4?6* * 1 ' D4?494.@' .7' <27C' .20' 89=409.6' B09058""@' 89D' .20' #7C896' 49' : 85.4=A"85' : 84D' <75624 : ' 86' : 5064D49B' 7?05' .20' ; 7A9D85406' 73' 340"D6" 0' 46' 50 : 50609.0D' <4.2' 8' 2AC89' 38=0' F9D' 8' ; 7D@' .05C498.49B' 49' .20' 375C' 73' 89' 49?05.0D' : @58C4D" 9' .20' 3086.' D8@6' 73' .2060' .A.0"85@' B7D6' 73' "89DC85F6' M3. ; 5985@' > , N ' .20' 4928 ; 4.89.6' 73' .20' 904B2 ; 7A549B' ?4""8B06' =57<90D' .2045' 4C8B06' <4.2' 3"7<056* 1 9' .20' 7 ; ?0560' 73' 8' D09854A6' ; 0"79B49B' .7' .20' ' + ' 38C4"@' 8 : : 0856' .20' 6.8.A0' 73' 8' C89 ' .20' A : : 05' : 85.' 73' <2760' ; 7D@' 46' ="7.20D' 49' .20' .7B8 ' ; A.' 4.' 286' 904.205' 85C6' 975' 300. ' 79' 790' 64D0' 73' <24=2' 46' 8' "8A50" =57<9 ' 89D' 79' .20' 7.205' 8' ?860 1 <4.27A.' "0B09D' 2A.' 79' .20' 50?0560' " 467" % ' % $ 1 564996' 6006' 49' .246' .20' 6@C ; 7" 73' 05C49A6 ' 89D' 6A : : 7606' .28.' 467' M<270?05' 20' C4B2.' ; 0N' 8D7 : .0D' 4.' 86' 8' .@ : 0' 375' 246' =749 ' 375' .20' : A5 : 760' 73' 49D4=8.49B' .20' 754B49' 73' =05.849' 50"4B47A6' 54.06' : 05G 375C0D' 49' 2797A5' 73' .28.' 5A58" D04.@ ' 86' 49.57DA=0D' ; @' ' <27' M8==75D49B' .7' 7"D' <54.056' <27C' 56497'6' SA7.06N' 3456.' 050=.0D' 8' "4.." 0' .0C : "0' " %' .7' * 05C49A6 ' 79' .20' 85 : 0489' 24"" ' 8.' #7C0" ' 64C4"85' 34BA50' 73' .20' 68C0' BA85D489' 73' + + ' "4C4.6 ' 28?49B' 79' 4.6' 208D' 8' 58D48.0D' =57<9 ' 89D' <4.2' 8' .2A9D05 ; 7".' "@49B' ; 0908.2 ' 0124 ; 4.6' 4.60"3' 79' 8' 64"?05' =749' 73' 9BA6.A6 ' 496=54 ; 0D' 4I : '" " $ + ' 790' 73' .20' 7606 ' <27' <86' 684D' .7' 28?0' .8AB2.' C09' .20' 85.' 73' : "8@49BO' 79' .20' CA64=8"' 500D6 1 75' T' 89L6' : 4 : 06"U' 05' 208D' : =7?050D' <4.2' "8950" ' 46' D0"4908.0D' 79' 8' D0985496' 73' %" 7C : 794A6 ' 89D' 79' .20' 50?0560' 620' 46' 20560"3' 50 : 50609.0D' 6.89D49B' M<4.2' .20' <75D' + ' ' ; 03750' 205N ' 27"D49B' .20' 8 ; 7?0E

246' :8509.L6' =7""08BA0' A9D05' =455AC6.89=06' 73' B508.' :57C460' A9. ' '> >' 75' > H' <209'.20' 0"D05' t.54=76' .27AB2.' 34.' .7' 8;D4=8.0' 89D' ?7"A9.854"@"L6A;C4.' 24C60"3' .7' 750"489# 209' 4.' <86' .28.' .20' 679' 62850D' .20' D0B58D8.479' 73' .20' 6450 1 <8"F49B' .257AB2' .20' 6.500.6' 73' 7590' ;0249D' .20' .54AC : 28"# =85' 73' T' #06.4.A.75' 5;48 U' 86' A50"489' 28D' .20' 75409.8"# :506A58: .97A69066' .7' .05C' 24C60"3' ;A.' <27' 506:0=.0D' 904.205' 246' 7<9' B77D' 34""CO' 975' .20' D4B94.@' 7{ .20' 6098.0' 49' .2A6' .508.49B' .<7' 6A=2' D46.49BA4620D' C0C;056' 73' .28.' ;7D@# 7<0?05' 83.05' .246' 49DA"B09=0' 73' 246' :54D0' 86' 8' .54AC : 205' .20' 0C : 0575' 46' 684D' .7' 28?0' ;028?0D' .7<85D6' ;7.2' .2760' :549=06' 86' .27AB2' .20@' 28D' 97.' T 38""09' 357C' .2045' 24B2' 06.8.0*LL' 20' @7A9B05' 0.54=A6'<86'50E06.8;"4620D' 49' .20' :7660664796' 73' 246' 38C4"@' 89D' 8DC4..0D' .7' 2' 608.' 49' .20' 6098.0# A=2' 49D00D' <86' 246' =79DA=.' 68@6' 08A?846' T .28.' 20' 7;.8490D' .20' 35409D624:' 73' .20' #7C896' ;@ C8F49B' 24C60"3' A603A" .7' 0?05@ 790' 89D' 97' C89' 73' 6098.7548"# 589F' <86' C750' 2797A50D' .289' 24C60"3' ;@ A50"489' 89D' 246' 6A==066756*V 1 46' 6.@"0' 79' =7496' 46' 4 ?8' $!" ' " / " ' #! ' # *1 # 1 ' 89D' 4 2 ' $!" ' ' 86' 79' .20' 6C8"" ;5866' M357C' .20' =8;490.' 73' 5# #78=2' C4.2M B4?09' 8;7?0# (20.205' 0.54=A6' .20' @7A9B05' 50C8490D' 60685' 79"@' 75' <20.205' 20' 8"67' 50G =04?0D' .20' .4."0' 73' 46' 8' SA06.479' <24=2' 246.754896' 8:.085' .7' 28?0' "03.' 49' D7A;.' 89D' 79' <24=2' 9AC46C8.46.6' 850' 97.' 8B500D# #0305549B' .20' 508D05' <27' C8@ D06450' 3A5.205' 8=SA849.89=0' <4.2' .20' :576' 89D' =796' 73' .20' =860' .7' <28.' 89DA54' 286' 8D?89=0D' 79' .246' :749.' 89D' $=F20" 6.8.0D' 49' 7::764.479' .7B0.205' <4.2' 47990.L6 =7CC09.6' 79' ;7.2' 49' 246' 97.06' 79' .20' C0D8"6 73' .246' @7A9B' :549=0' M?7"# 4# :# HE N' 4.' 628"" 6A334=0' 375' A6' 2050' .7' 7;605?0' .28.' <4.2' .20' 38=.' ;7.2' 246.754=8" 89D' 9AC46C8.4=8" ;03750' 96' .28.' '7 <86' =79 7490D' 86' ! # $ $' <4.2' 246' 38.205' .2050' 46' .20' B508.06.' :57;8;4"4.@ 73' 246' 28549B' 8"67' ;009' :57="84C0D' / ' 9D' 86' C7507?05' 2' B7"D' =749' 73' .20' @7A9B05 0.54=A6' <4.2' .20' .4."0' 286' 649=0' =F20"L6 D08.2' ;009' :A;"4620D' 86' B09A490' ;@ 47990.' <0' 627A"D' 285D"@' D00C' 4.' :50C8.A50' .7' 50B85D' .20' SA06.479' 86' 8"508D@' D0=4D0D' 49' 7.205' <75D6 <0' 850' 73' 7:49479' .28.' .2050' 0146.6' 6A334=409.' :5773' 73' ' -8 28?49B' ;009' 6.@"0D' ABA6.A6' 86' <0"" 86' C685' 06:0=48"" @' 86' <0' 349D' 6A=2' 2' =79="A6479' 6A::75.0D' ;@ .2760' A9D7A;.0D"@' 8A.209.4=' C0D4#"6' <20507' 246' :75.584.' 7490D' .7' .28.' 73' ;46' 38.205' 46' 8==7CG :8940D' ;@ # " * 4 1 ' 375' "0B09D' 73' 7;?0560' 89D' ; @ # 4 1 ' M 9B96.7CCM' 375' "0B09D' 73' 50?0560* 20' 07496' 73' 99# 850' 01.50C0"@' 5850' 49' B7"D 1 ?05@' 5850' 49' ;860' 64"?05' 75' ;4""79' ;A.' ?05@' =7CC79' 49' 6C8"" ;5866* 40:40=06' 73' .246' :549=0' 73' #7C89' D40' <050' =7490D' 49' &8A" 86' <050' .2760' 73' 246' 38.205* 1 T' ' B508.' C89@' C0D8"6' 73' .20' .<7' 850' 37A9D' M68@6' 08A?846M <4.2' .2045' "0B09D6' 89D' .@:06' D4634BA50D' ;@' .20' =785609066' 73' .2045' 38;54=' 89D' .20' 4B9758980' 73' .20' <75FC09* * x, * ' ! (' * '

' :"8=06' 6:0=48""@' 8::57:548.0D' 8C79B6.' .20' &500F6' 89D' #7C896' .7' .20' 50:506 609.8.4796' 73' D58C8.4=' 6:0=.8="06* 1 20' .208.50' D433050D' B508."@' 86' .7' 375C' 357C' 20' 8C:246 .208.50' .20' "8..05' ;049B' 73' 8' =45=A"85' 75' C750' :57:05"@' 6:08F49B' 73' 89' 7?8" 34BA50' <24="6.' .20' 375C05' <86' .28.' 73' 8' 28"3' =45="0' 8.' .20' 04.50C4.@ 73' <24=2' 8' 6,5A=.A50' <86' .5896?0560"@' 050=.0D" 20' ? =79646.0D' 73' .2500' :549=4:8" :85.6/ .20' 6=8.6' 73' .20' 6:0=.8.756' 7==A:40D' .20' 60C4E =45=9"85' 6:8=0' .20' 6.8B0' <86' 49' .20' 0D434=0' .5896G ?0560"@' ;A4".' 89D' ;0.<009' .20' .<7' <86' .20' 75=206.58* 1 ^ 75' 89' 8==A58.0' D06=54:.479' 73' .20' =796.5A=.479' 85589B0C09.' 89D' D0=758.479' 73' 89=409.' .208.506' 600' 4=.47998450' D06' 08AI' 5.6' :85' 4"""4A' 4=.47985@' 73' &500F' 89D' #7C89' 9.4SA4.406';@ 5# 8@"75' 89D' A60AC' 73' "8664=8" 9.4SA4.406*Q 1 20' 50?0560' 73' 8' 3456.' ;5866' =749' 6.5A=F' A9D05' &75D489A6' 4A6' 8.' 058="08' 49' 4.2@948' 89D' 09B58?0D' ;@ A79857..4 357C' .20' 85:0B98=8;490.' :50609.6' 8' .208.50' <4.2' 8' :75.4=7' ;0249D' .20' 6.8B0' <24=2' 0124;4.6' .20' 6=090' 73' 8' .0C:"0' .20' 60C4E=45=A"85' :75.479' 73' .20' ;A4"D49B' 46' 34""0D' <4.2' 6:0=.8.756# 1 00' + 8' 68=50D' =85' 49' <24=2' .20' 4C8B06' 73' .20' B7D6' 89D' B7D06606' <050' =85540D' .7' .20' B8C06' 73' .20' =45=A6# 024="06' 73' .246' F49D' 605?0D' <4.2' .20' #7C896' .7' 6@C;7"4\0' .28.' 67"0C9' =7960CE' .479' 75' 8:7.207646' 73' D03A9=.':056798B06' <24=2' =793490D' .7' .20' 4C:0548" 589F' <86' D0=500D' 0R@ .20' 6098.0' 8"790* 1 20' <86' A6A8""@' C8D0' 73' .20' <77D' 73' 6A=2' .500' 86' <86' =7960=58.0D' .7' .20' D04.@' <2760' 6.8.A0' <86' .2A6' :A;"4="@' D46G :"8@0D' 49' :57=066479' 89D' <24=2' 8:.0850D' <4.2' 8"" 246' 75' (' 8..54;A.06* 1 246' :0=A"485' 675.' 73' 85548B0' <86' 8"67' A60D' .7' =79?0@' 04.205' .20' 4C8B0' 73' 67C0' 0C 575' 75' 0C:5066' 8"508D@' :"8=0D' 8C79B6.' .20' 74?494.406' .7' 67C0' :A;"4= 6=090' 73' :7C:796' =0"0;58.479' 75' .20' D08D' ;7D@' 73' 8' :549=0' 75' :549=066' 57A9D' .20' + <2050' .20' =75:60' <86' 83.05<85D6' ;A59.' 79' 8' 3A9058" :4"0' 8C4D6.' ?05@' 4C:7694B' 54.06' 89D' =050C79406* 1 9' 67C0' 73' .2060' 7==864796' 0"0:289.6' <050' 0C:"7@0D' .7' D58<' .20' .2760' ?86.' 894C8"6' 79' 8==7A9.' 73' .2045" "79B0?4.@' ;049B' 60"0=.0D' 86' .20' 6@C;7"' 73' 0.0594.@* 1 =G =75D49B"@' <0' 349D' 8' 3456.' ;5866' =749' 6.5A=F' A9D05' 4;054A6' <24=2' 0124;4.6' .20' 6.8.A0' 73' 9BA6.A6' <4.2' 58D48.0D' ;08D' 89D' 7.205' C85F6' 73' D0434=8.479' 608.0D' 79' 8' .20968' D58<9' ;@ 37A5' 0"0:289.6' 79' .20' 90=F' 73' 08=2' 73' <24=2' 64.6' 8' D54?05* 1 00' & * 1 2050' 46' 8"67' 8' "85B7' ;579\0' C0D8"' 6.5A=F' A9D05' 4.A6' <4.2' 64C4"85' .@:06' 73' .20' .20968* 1 00' &# G A587*

57C' .20' 8;7?0' 89D' 60?058" 7.205' 99C46C8.40' C79AC09.6' .20' 375C' 73' .20' 8::0856' .7' 28?0' ;009' .28.' 73' 8' :"8.375C' 54=2"@' 7598C09.0D' 89D' C7A9.0D' A:79' 37A5' <200"6' ;@ <24=2' C7D0' 73' =796.5A=.479' .20' 4D7"6' 75' 6.8.A06' :"8=0D' A:79' 4.' <050' 509D050D' =796:4=A7A6"@' ?464;"0# 9' .246' 506:0=.' 4.' D433050D' 86' <0"" 357C' .20' + <24=2' <86' =7?050D' <4.2' 89' 85=20D' 5773' 4.6' 3579.' 8"790' ;049B' 7:09' 86' 357C' .20' .54AC:28" =28547.' <24=2' <86' 89' 7:09' ?024="0' 67C0.4C06' 73' =@"49G D54=8"' 8.' 7.2056' 73' 60C4E=45=A"85' 6'8:0' 89D

789.' 73 70646# 9D89B050D ;@.20 08"79808 89D 99 A8.' 696:4=479 <24=2 "0D .7 246 38.2051 D0=8:4.8.479 8.' 85.28B0 49 H 20 50.450D 49.7 :849 <2 0 ;@ 75D05 73 &58.489 24C60"3 <27 =8A60D .28.' 38.205 .7 :05462 20 208D0D 89 85C@ 8B8496.' .20 &7.26 <27C 20 D0308.0D 49 8 B508.' ;8.."0# 9.20 D08.2 73 8"096 25 <86 =27609 ;@ &58.489 375 246 =7""08BA0 89D <4.2 .20 .4."0 73 ABA6.A6 D0="8504D C:0575 73 .20 86.' 085"@ 49 H a# 246 0?09.'.77F :"8=0 8.' 8 .4C0 <209 .28.' :75.479 73 .20 #7C89 0C:450 <86 58?8B0D 49 0?05@ D450=.479 ;@.20 &7.26# 660C;"49B 246 375=06 <4.2 .20 A.C76.' 0I:0D4G .479 20 8..8=F0D .2760 ;85;8548 9 ;75D06 7?05G .257<49B .20C 49 60?058" 6A==0664?0 09B8B0G C09.6 89D 3498""@ =7C:0""49B .20C .7 6A0 375 :08=0 89D .7 .8F0 503AB0 <4.249 .2045 7<9 <4"D 375.506606# 57C 8DC458.479 73 246 ?8"795 89D B508.' SA8"4.406# 8:75 *' F49B 73 05648 5097A9=0D 246 09C4.@ .7 89D 09.050D 49.7 2 .508.@ 73 8""489=0 <4.2 .20 #7C896 <24=2 "86.0D 8 =7964D058;"0:0547D# 9.20 @085 H;H 207D764A6 =7930550D .20 .4."0 73 ABA6.A6 79 246 0"D06.' 679 5=8D4A6 89 7;0=.' 73 D7C06.4 :7"4=@ <24=2 20 28D 97 677905 8==7C:"4620D .289 .20 =79SA06.' 73 .8"@ 89D .20 D0:764.479 73 8"09.49489 A9475 ;@ 8B9A6 814CA6 =8""0D .20 4C:0548" 2057 79=0 C750 8<8@ 357C 246 7<9 =8:4.8" 89D D7C494796# 8?49B ?89SA4620D 89D :A.' .7 D08.2 .20 49?8D49B A6A5:05 MH N 20 50E06.8;"4620D 8"09.49489 79 .20 .25790 73 .20 <06.' 89D 286.090D ;8=F .7 SA0"" 89 496A550=.479 8.' ;0668"794=8 <2050 790 73 246 :57?49=48" "40A.0989.6 28D ;009 6"849 ;@.20 4928;4.89.6 73 .28.' =4.@# 9.246 7==8647 20 68""40D 246 24.205.7 4550:578=28;"0 38C0 ;@ 89 8=.' 73 .20 C76.' 492AC89 =5A0".@ 49 :05C4..49B 246 ?4=.7547A6 .577:6 .7 C8668=50 C750 .289 60?09 .27A689D :056796 .20 B508.05:75.479 73 <27C <050 BA4"."066 73 .20 60D4.479 <24=2 28D 67 ?47"09."@4554.8.0D 24C# .' <86 67C0 .4C0 83.05 .246 354B2.3A# 8.57=4.@ .28.' 207D764A6 28?49B :50609.0D 24C60"3 8.'.20:75.8" 73 4"89=8.20D58"' <86 D0940D :05C46647 9 .7 09.05 2@ .# C;5760# .' 46 385.205 50"8.0D .28.' .20 0C:0575 A9D05 .20 4C:5066479 73 50"4B47A6 8<0 89D =7C:A9=.479 2AC;"@ 6A;C4..0D .7 .20 609.09=0 73 .20 ?09056 8;"0 85=2E:50"8.0 89D 8;6.8490D 357C 8B849 7330549B 24C60"3 375 8DC46647 49.7 .20 =2A5=2 A9.4" 375 2 .05C 73 04B2.' C79.26 20 28D 01G 24;4.0D 64B96 73 649=050 :094.09=0# #0.A590D 8.' "09B.2 .7 .20 608.' 73 246 7<9 B7?059C09.' 20 37A9D .20 &7.24=.54;06 :4""8B49B 8=0D7948 89D 20668"@ 89D 20 =286.460D 89D 01:0""0D .2060 ;85;854896 357C .20 =7934906 73 246 0C:450# 3.05 .20 D0=0860 73 .20 @7A9B05 8"09.49489 20 50.A590D 8B849 .7 .20 <06.' 89D 8=240?0D 246 "86.' C4"4.85@ 01:"74.';@B84949B 8 D0=464?0 ?4=.75@ M.27AB2 97.' .4""# 83.05 67C0 D06:058.0 6.5ABB"06N 9085 SA4"048 79 .20 [.2 73 0:.0C;05 Ha 7?05 .20 96A5:05 AB09476 <27C 5;7B86.06 .20 .584.757A6 B09058" 73 8"09.49489 89D 496.4G B8.75 73 246 CA5D05 28D =8A60D .7 ;0:57="84C0D 0C:0575# 9.20 , .2 73 K89985@ 49 .20 37""7<49B @085 28?49B 96.' ;03750 7;.8490D .20 6098.7548" 50=7B94.479 73 246 60=79D 679 79754A6 86 0C:0575 73 .20 086.' .246 01.5875D4985@ C89

30""# 4""# 73 8 D57:6@ 89D D40D MHa~N 8.' 4"89 M 0D47"89ACN 49 .20 .2 @085 73 246 8B0 83.05 89 0?09.3A" 504B9 73 9085"@ 64I.009 @0856# 0 46 50=75D0D .7 28?0 01:450D 49 .20 85C6 73 .# C;5760 50B50..0D 86 790 73 .20 B508.06.' 89D ;06.' 73 :549=06# 75 375.4.AD0 68B8=4.@ "479E2085.0D909066 89D =796ACC8.0 6F4"" 49 8".' .20 8=.6 73 B7?059C09.' 20 C4B2.' 49D00D A6."@ ;0 50B85D0D 86 T .20 C7D0" 3A5 67?0504B96 ;A.' 86 .7 246 :40.@ 67 CA=2 "8AD0D ;@ #7C89 246.754896 .2050 46 C750 .289 8 D7A;.' 73 4.6 :A54.@ 89D B09A4909066 89D .7 6:08F 73 246 C7D058.479 89D ="0C09=@ 73 =2858=.05 <7A"D ;0 89 496A".' 8"4F0 .7 2AC894.@ 89D =7CC79 60960 83.05 .20 27554;"0 :577 73 246 68?8B0 ?49D4=.4?06 9066 8.' 20666"794=8 207D764A6 .20 &508.' 28D .<7 <4?06 1 .20 3456.' <86 "48 "8=4""8 C7.205 73 5=8D4A6 89D 79754A6 .20 60=79D <86 &8""8 D8AB2.05 73 8"09.49489 #89D 73 K96E .4948 ;@ <27C 20 28D "8=4D48 <27 <86 .20 C7.205 73 8"09.49489 *

9.20 C0D8"6 73 .246 0C:0575 20 46=796.89."@ 6.@"0D # # 44 65?6 :# 8 ' M75 ?7*N 20@ 850 =7CC79 49 64"?05 89D B7"D 01=0:.' B7"D SA4448544 89D 64""?05 C0D8""4796# 20 C4DD"0 89D 6C8""# ;5866 73 .246 :549=0 850 ?05@ =7CC79 ' ;A.' 246 ;579\0 C=D8""47A6 850 5850* 1 9.20 50?056 73 8 64""?05 C0D8""479 20 46 6.@"0D 89D <4.2 246.754=8" .5A.2 42\3 ' & # # 03750 =F20"L6 .4C0 .2050 0146.0D 89 8"C76.' 496A:05G 8;"0 D4334=A".@ .7 D46.49BA462 .20 C0D8"6 <24=2 ;0"79B .7 207D764A6 357C .2760 <24=2 <050 6.5A=F 99D05 207D764A6 , , # 97.0 73 479E 90.' 73 <24=2 5# F05C89 286 B4?09 49 246 . + & ' ' M?7"# 44# HH N8.5896"8.479 CC46206 49 8 =79D0960D 375C .20 49375C8.479 79 .246 6A;0=.' 67 A603A""@ 83375D0D ;@.20 "0859D0D 68B8=47A6 8A.275 73 . ' ' 49 ?7"# ?444# M:.# , , ' 0% 73 .28.' 49?8"A8;"0 <75F .7 ;7.2 73 <24=2 .20 508D05 46 5030550D* ' "! % A9475 75 * B589D679 73 .20 8;7?0 ;049B .20 679 73 5=8G D4A6 89D AD7148 <86 ;7C 8.' 796.89.497:"0 * # , D0="850D 9B446.A6 .20 38""7<49B @085

89D 49 * # ' ;0=8C0 C:0575 73 .20 86.*1 8549B 246 C49754.@ .20 8DC4946.58.479 73 8338456 D0?7"?0D 3456.' .7 .20 :5030=.' 9.20C4A6 89D 83.05<85D6 .7 A"=20548 646.05 73 207D764A6 99D05 <2760 493"A09=0 20 49 >, C85540D .20 =0"0;58.0D .209846# 20 68C0 @085 20 B8490D ;@ 246 B09058"6 8 ?4=.75@ 7?05 .20 0564896 89D .20 :08=0 <24=2 .20@ =79="AD0D <4.2 .20 #7C896 83.05 .28.' D0308.' "86.0D .<09.@E37A5 @0856# 9.20 D0=0860 73 79754A6 ;0=7C49B 67?0504B9 73 .20 <06.' 20 =7930550D .28.' D4?46479 73 .20 0C:450 79 246 =7A649EB05C89 8"09.49489

] 9 A Y A

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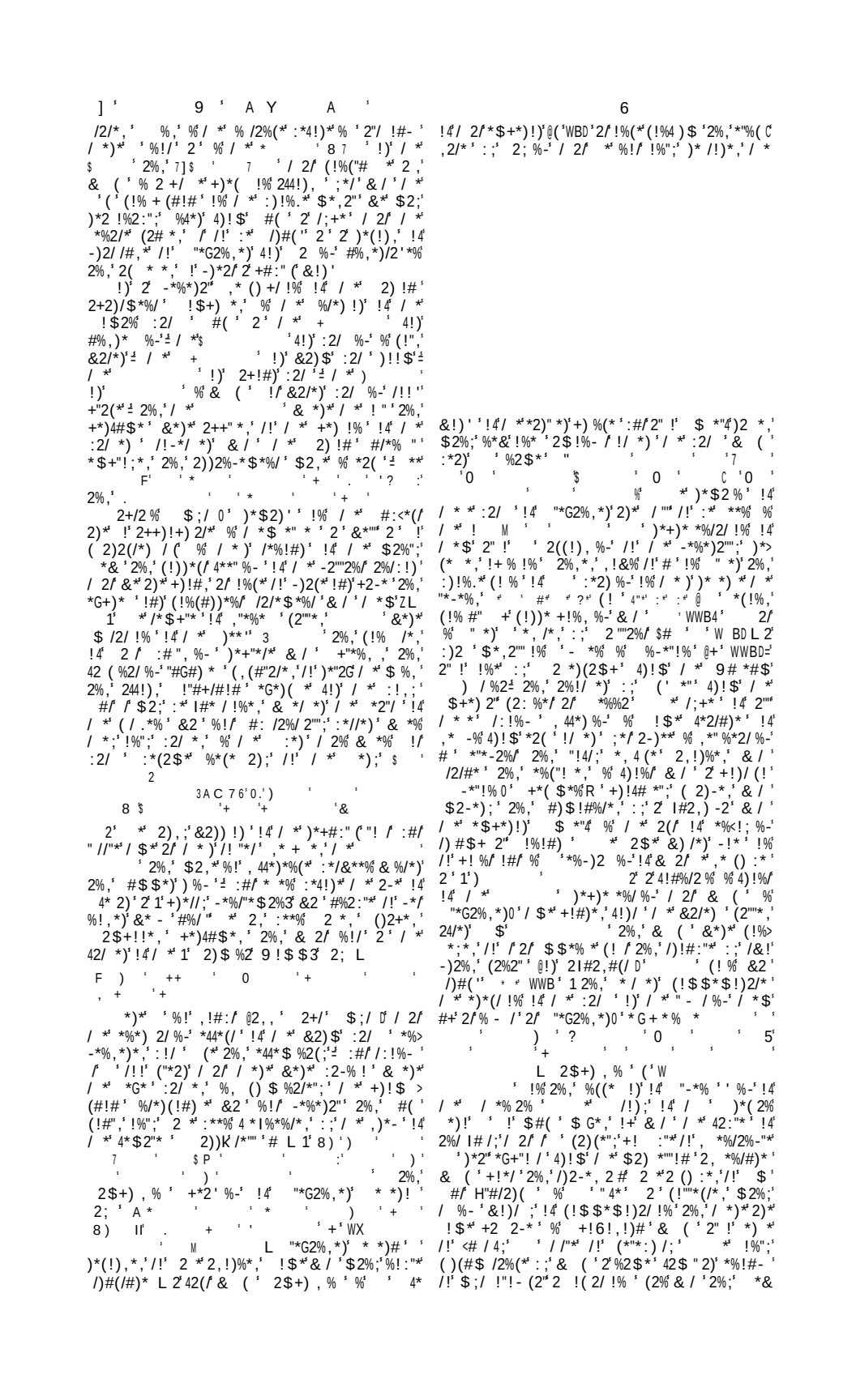

!4 +)!:2: "/;: :)!#- / & / %/ /)2%-!4 F 5 2 / 2/ !4 2 (!%/! $ 2/ $*,2 - *% % 2 + *#,!$!%*/2")*" (:*2) *) !0 +!)/)2 /!#/ !: *) -! 2 2%, 4!) .@:0 2 %2'*, &2)) !)/ & / *"$*/!% *2, 2%, +*2) 2%, :#(''*) % "*4/ 2%, /2%, & /) %-!%/ /!4 2 *%/2#) & !:!", 2 ;) 2%, & !$ -! / /!-*/ *) 2/ !4 4!)(:";(!$+*"" %-/!-!,!&% !% '%** L ,@% + "::' Ø %)*(!#%/%-/ %(,*%/ !4 2 :"!!,;' ')$:*/&**%/ -! %/2#) 2%, / 2+/ K 2 *$:"*,/

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]B *

.25790 8. 246 38.205L6 D08.2 M@085 73 7C0 H> a.2 73 7A5 6058N .2060 ;"7.6 79 246 45 38C0 <050 0338=0 ;@ 8 50375C8.479 67 =7C :"0.0 86 .7 509D05 24C .20 C7D0" 73 B77 :549=06 89D 73 ?45.A7A6 C09 AC890"@ 8914 7A6 375 .20 <0"0 3850 73 246 6A; 0=.6 246 "4;058"4.@ 89D CA94G 34=09=0 C0< 97 ;7A9D6 <209 04.205 :A;"4= =8"8C4.406 50SA450D .7 ;0 866A8B0D .257AB2 246 8C :"0 3A9D6 75 <209 49 28: :405 :0547D6 .20 7C89 .86.0 375 8C :24.206.54= 89D =45=0960896 :0=.8="06 =7A"D ;0 B58.4340D 86 .20@ <050 8"<8@6 6A50 .7 ;0 8. 246 7<9 0975C7A6 =76. 20 =79G SA06. 73 54.849 ;@ ;46 "40A.0989. B54=7"8 M?*= H> a\ 46 50=75D0D 8C79B6. .20 C76. 49.0506.49B 6A==06606 73 246 85C6 8;578D .27C0 246 =7A560 73 :7"4=@ ;750 .20 .5A0 4C :5066 73 C8B9894C4.@ 89D <9034=09=0 20 @085 8;7?0EC09.47A0D <86 C85F0D ;@ 8 D508D3A 05A:.479 73 7CI. 06A?4A6 <24=2 "84D <86.0 .20 ;08A.43A" 627506 73 8C :8948 89D ;A540D 05=A"890AC 89D 7C :044 49 "8?8 89D 49 86206 9 .20 37""7<49B @085 N ;@ 8 C76. D06.5A=.4?0 3450 8. 7490 .20 .0C :"0 73 KA :4.05 8 :4.A"4AA6 89D 7.205 0D434=06 ;7.2 68=50D 89D 60=A"85 <050 D06.57@0D 9 .20 7.205 289D <24"6. .2060 6.5A=.A506 <050 :A. 49 :57B5066 73 506.758.479 4.A6 D0D4=8.0D .20 6.A:09D7A6 8C :4.2=8.50 97< =7CC79"@ =8""0D .20 7:090D :A;"4= ;8.26 89D B8?0 .20 C76. C8B9434=09. 620<6 .7 .20 :07:"0 094B989. 89D B"7547A6 49D0OD @0. 0?09.3A <86 .20 504B9 73 .246 B508. :549=0 ;A. .77 6275. 375 .28. B09058.479 73 C89F49D 49 <24=2 20 "4?0D 89D 73 <24=2 375 246 8=.4?0 ;090?7"09=0 20 <86 A6."@ 98C0D " o 20 8DC458.479 89D .20 D0"4B2. 57C .20 0330=.6 73 474679 4"C4A46.050D 86 46 ;0"40?0D ;@ 246 7<9 A9G B58.03A 89D <4=F0D ;57.205 7C4.489 .246 5097<90D 0C :0575 0I :450D 79 .20 ,H.2 73 0:.0C ;05 @085 73 #7C0 H , 49 8;7A. .20 375.40.2 @085 73 246 8B0 28?49B 6<8@0D .20 6=0 .50 73 .20 0C :450 .<7 @0856 89D 9085"@ .2500 C79.26

20 =7496 73 4.A6 850 9AC057A6 7C0 50 :50609. 24C <4.2 =6 48648A 7.2056 <4.2 37C4.489 89D <4.2 246 D8AB2.05 KA"48* 1 9 .2060) 20 46 6.@"0D 9 m H 1 "67 H H L 9H 85 @< R H 79 .20 50?0560 67C0.4C06 * $ '$ 9 " H !) H 9 F 1 $ M<24=2 "8..05 0?09. .77F :"8=0 ;@ 8 % 5??6 9K 3 !) H H 9 894C8D?05.49B 79 .20 C4A. 73 4.A6 375 67C0 649BA"85 :749.6 49 .20 75D05 73 <24=2 4. 46 D4334=A". .7 8664B9 89@ :50=460 508679 =F20" 503056 <4.2 89 0I :5066479 73 86.79462C09. .7 .20 38=. .28. .2050 46 97 =749 73 .246 0C :0575 ;08549B .20 D8.0 73 ?# = > , <24=2 8..06.6 .20 =79SA06. 73 KAD608 <2050866 4. <86 4.A6 8"790 <27 ;57AB2. .20 K0<462 <85 .7 8 D0=464?0 ="760 89D 49 =7960SA09=0 73 <24=2 20 09 7@0D 2 .5494C :2 <4.2 246 38.205 T 0@79D

* 8"" D79; M68@6 .20 8A.275 73 . $ $?7"# ?4# : [>N .20 C0D8"6 <24=2 =7CC0C758.0 .20 =79SA06. 73 KAD.08 <050 <4.27A. 0I=0 :.479 6.5A=F 49 6A ;60SA09. @0856 8".27AB2 C89@=7496 850 0I.89. <4.2 .20 208D 73 06 :86489 A: .7 .20 @085 49 SA06.479 9D .20503750 ADB49B 357C .20 8 ;609=0 73 .246 50=75D 79 7.205 A9D46G :A.0D =7496 73 .20 68C0 D8.0 <0 C8@ =79="AD0 4. .7 ;0 8".7B0.205 :57 ;8 ;"0 .28. DA549B .246 <27"0 @085 M > N .2050 <050 97 =7496 73 4.A6 6.5A=F 0I=0 :. .2760 79 <24=2 20 8: :0856 49 30""7<624 :<4.2 7C4.489 75 28D 6A=2 ;009 .20 =860 4. <7A"D 600C 6.589B0 .28. .2050 627A"D 97. ;0 37A9D 86 8 C8..05 73 =7A560 79 .20 =7496 73 4.A8 67C0 C0C7548" 73 8 ?4=.75@ 67 64B98" 89D 67 C849"@ 8..54 ;A.8 ;"0 .7 246 :57<066 89D B09058"624 :*LL

20 .4."0 73 + 46 ?8547A6"@ :"8=0D 79 .20 =7496 73 4.A6 89D 49 8 C89905 D4330549B 357C .20 B09058" A68B0 73 8"" 7.2056 73 .20 96856 9 .2760 6.5A=F ?*= >>E >H .28. .4."0 46 7C4..0D .7 ;0 :?09 24C*1 9 79 246 C0D8"6 73 .20 3456. 28"3 @085 20 46 =8""0D * 9H 75 + M4C :058.75 0"0=.N/ <24"6. 79 =7496 6.5A=F "8.05 49 .20 68C0 @085 20 46 6.@"0D " 9D .209=0375<85D A9.4" 20 ;0=8C0 20 46 =796.89."@ .05C0D $ " .20 7.205 .4."06 37""7<49B 57C .28. .4C0 8"67 20 =79.49A7A6"@ :50609.6 .20 "89508.0D 208D M<4.2 27<0?05 .20 58D48.0D =57<9 79 C89@ 60=79D ;5866N ;A. 90?05 .20 ;850 208D*1 . <86 49 ?*= H> .28. 4.A6 50=04?0D .20 D4B94.@ 73 ABA6.A6 89D .209 <0 349D .28. .20 <24=2 <86 49?8548 ;"@ :A. 79 .20 =7496 73 4.A6 86 <86 .209=0375.2 :A.$ 79 246 =7496 86 89D .20 496=54 :.479 ;@ 2 :05 :0.A8" 5A"0 ;0=8C0)% =*1 9 246 =74"W 6.5A=F 49 ?*= > 20 46 =8""0D &973A6 058375# T 7 .246 .4."0 LL 7;605?06 =F20" T 4. ;049B .20 345A4. 73 ?4=.75@ 97 790 <86 D064B98.0D 75 :50E75D8490D ;A. 4. <86 =7930550D $ 8 ?4=.75@ ;@ C42.85@ 8==8C8.479 7507?05 4.A6 28D ;009 49 .20 :50=0D49B @085 M >HN 8"508D@ 6.@"0D C :058.75 375 .20 =8 :.A50 73 K05A68"0C*1 20 .4."0 73 + .20503750 B4?09 24C 49 *= > 46 =05.849"@ .7 ;0 A9D056.77D 73 4.76 86 .20 75 0"0=. 8667=48.0 M<4.2 248 38.205N 49 .20 4C :0548" B7?059C09.*LL

75 46 4. "066 =05.849 .28. 79 .20 C0D8"6 73 4.A6 .20 <75D " 67C0.4C06 605?06 .7 D097.0 =7""08BA0624 49 B7?059C09. 86 <0"" 86 .20 C4"4.85@ .4."0 73 + 86 =7930550D 79 8==7A9. 73 ?4=.75406 9D 357C 2=25797"7B4=8" 605406 73 496=54 :.4796 79 4.A6 =7496 =F20" 620<6 .28. 20 <86 + $ .20 3456. .4C0 49 .20 @085 73 #7C0 >H 89D .28. .20 68C0 .4."0 <86 #090<0D .7 24C 0?05@ 6A==0664?0 @085 89D 49 67C0 496.89=06 .<4=0 89D 0?09 37A5 .4C06 49 790 @085 6A==0664?0"@ .4"" HHE H <20A 20 <86 " M C :058.75 375 .20 64IG .009.2 89D "86. .4C0*N

3 .246 0C :0575L6 =7496 .20 B7"D 89D 64"?05 89D .20 3456. 89D 60=79D ;5866 850 =7CC79 20 .245D ;5866 5850 5866 C0D8""4796 5850 4"?05 C0D8""4796 M37504B9 D40N

a ++ *1 # *

C0D8"' 89D' 0D'9 : <4.2'64"?05 "8 'F+ '
:# *N

2060' 60?058"# "0B09D6' 89D' .@ : 06' 8 : : 085' 79'
.<7' =79.dC48.06' 08=2' ;08549B' 79' .2045' 7 ; ?0560'
.20' 208D' 73' 79754A6# 20@ 994.0' 49' : 50609.49B'
0I8C : "06' 73' 8' : 58=.4=0' = 7CC79' 8C79B6.' .20'
89=409.6' 89D' <24=2' : 50?84"6' .7' .246' D8@ 1'
98C0"@' .28.' 73' B4?49B' 98C06' .7' 275606* 1 57C'
7C05' <0' "0859' .28.' =24""06' 28D' 246' +89.2A6/
45B4" 649B6' 73' .20' 0.279' 73' 8""86' 89D' .20'
270 ; 96' 73' 0\09.4A6# A0.79476' 49375C6' 96'
.28.' 9=4.8.96' <86' .20' 98C0' 73' .20' 27560' <24=2'
.20' D0C09.0D' 8"4BA"8' =8A60D' .7' 20' 0"0=.0D'
7969"# 479' 98C06' 75@6.20906' 86' .20'
38?7A54.0' 6.00D' 73' 8D5489' 89D' 8 : 4.7"4986'
50=75D6' .28.' 7"A=548' <86' .20' 8 : : 0""8.479' < 24D4
# 0586' ; 06.7<0D' 79' 8' V' <49949B' 790U' 73' 246'
4C : 0548" 6.AD# 8C06' 8 : : 085' .7' 28?0' ; 009'
60"0=.0D' 375' .2060' 97 ; "0' SA8D5A : 0D6' 79' 8==7A9.'
04.205' 73' 67C0' =75 : 7508" SA8"4.@' 6A=2' 86' =7"7A5'
6<43.9066' =*' 75' 73' D46 : 764.479' 86' =7A58B0'
B77D' .0C : 05' =# 50SA09."@' .20' 98C0' 73' .20'
=7A9.5@' .7' .20' ; 500D' 73' <24=2' .20' 894C8"
; 0"79B0D' 6A02' 86' F ' 375' F3 '
<86' 8D7 : .0D' 375' 4.* 1 20' 27560' ' 79' .20'
3456.' 73' .2060' C0D8"6' M<579B' 6 : 0".' <4.2' 8') '
+*N' <86' D7A ; ."066' 67' D097C498.0D' 357C' 246'
6 : 00D' ") ' ; 049B' &500F' 375' F ' M89'
85=205N# 20' 7.205' <86' =8"'0D' ' C76.' : 57G
; 8 ; "@' 86' 49D4=8.49B' 246' C86.05L6' 8330=.479' 375'
24C# 8=2' 27560' .20503750' C8@' ; 0' =7964D050D'
' 28?0' 2008' 49.57DA=0D' 79' .20' =749' <2050' 20' 46'
50 : 50609.0D' 79' 8==7A9.' 73' 8' 58=0' <79' M86' 620<9'
; @' .28.' 6@C ; 7"' 73' ?4=.75@' 8' : 8"CE ; 589=2N' 89'
2797A5' <24=2' 7AB2.' 97.' .7' ; 0' .27AB2.' B508.05'
.289' .20' 89=409.6' <7A"D' 508D4"@' ; 06.7<' 79' .; 0'
C054.6' 73' 275606' 649=0' 4.' 46' <0 EF97<9' .28.'
6AC : .A7A6' C79AC09.6' <050' 050=.0D' .7' .20'
C0C75@' 73' .2760' 97 ; "0' =508.A506' 89D' .28.' 0?09'
2' =4.@' <86' ; A4".' ; @' "0I89D05' .20' &508.' 49'
2797A5' 73' 246' A=0 : 28"A6* 1 00' . ' ; '
' ?74# ?444# : # >aa' 89D' ' ' '
) # 1 20 54 ; A94.489'
: 7<05* 1 00' .20' <75D*
#* 1 ' C49.EC85F' 73' C790@
6.5A=F' 8.' 50?06*
# ' ' 1$$ 'F 1 749'
6.5A=F' 49' .20' 60=79D' 734=0' 73' .20' C49.' 8.' 50?06*
# ' 75' # # ' *
# 95*
) 1 8' ?06.C09.' <24=2' D433050D' 357C' .20'
=7CC79' ' 89D' "4F0<460' 357C' .20' + '49'
; 049B' 6275.05' 89D' "066' 8C : "0# .6' =7"7A5' <86'
<24.0' "4F0' .20' ' 73' .20' 67"D4056' ; A.' 75986
C09.0D' <4.2' ; 89D6' 73' : 95 : "0' =8"'0D') ' 75'
' 8==75D49B' 86' .20@' <050' C750' 75' "066'
; 5C.D# 40 ; 0' $1 ?' ' :* > N' 68@6'
.28.' .20' : 8"9D8C09.AC' 89D' .20' =2"8C@6' 850' 97.'
.7' ; 0' =7937A9D0D' <4.2' .20' .58 ; 08' ; A.' 7.205'
<54.056' 86605.' .28.' .2050' <86' 8.' "086.' CA=2'
898"7B@' ; 0.<009' .20C# (28.' 8 : : 0856' =05.849'
46' .28.' .20' .58 ; 08' <86' : "8=0D' 7?05 .20' .A94=' "4F0'
.20' .7B8' 89D' <86' : 85.4=A"85"@' 49' ?7BA0' 8C79B6.'
.20' @7A9B05' #7C896' 73' .20' 0SA06.5489' 75D05*
' "- % 1 ' =4.@' 73' .246' 98C0' <86'
37A9D0D' 79' .20' 67A.2059' 6275O' 73' 46 : 8948'
C.4=8' 89D' 79' 4.6' 64.0' 97<' 6.89D6' "B064586

*1 # K *

49' 9D8"A648' .7' .20' <06.' 73' 85.048' M97<
7=8D4""7N' 89D' =7960SA09."@' 9085' &4 ; 58".85#
P 20' =7496' 73' .20' #7C89' =7"79@' 75' C994=4 : 4AC'
850' 8"# C : 0548" ' 67C0' 28?49B' 79' .2045' 7 ; ?0560'
.20' 208D' 73' ABA6.A6' <4.2' .20' "0B09D' # 6'
9C' B" :* .20' 496=54 : .479' 73' .20' 50G
?0560' 46' 5? # ' 89D' .20' .@ : 0' : 50609.6' 04.205'
.20' 208D6' 73' 246' .<7' B589D6796' 84A6' A=4A6'
C6856' ; 77F49B' 7 : : 764.0' <8@6N' 75' 7 ; 0=.6' 6@CG
; 7"4=8" 73' .2760' 27A7956' 89D' 3A9=.4796' <24=2'
; 0"79B0D' .7' ABA6.86' 6A=2' 86' .20' ' '
89D' + $ ' 8""A64?0' .7' .20' 67?0G
504B9' : 906.277.3* 1 .205' =7496' 73' .246' - '
' ; 085' 79' .2045' 7 ; ?05?06' .20' 208D' 73'
8496' =0685' 75' .28.' 73' A=4A6' 8685' 649B"@' 89D'
60 : 858.0"@' 89D' 28?0' 375' .20' 506 : 0=.4?0' .@ : 06' 73'
.2045' 50?05606' 04.205' RO/ ' $') ' '
: "8=0D' 2754\79.8""@' 75' 8') ' $' + '
605?49B' 84""89.' 68@6' M89D' 20' 6A : : 75.6' 246'
49.05 : 50.8.479' 79' .58 ; 7L6' 8A.2754.@N' .7' D097.0'
.28.' .20' ' 73' : 849' : 7660660D' ; 7.2'
=759' 89D' <490' 49' 8 ; A9D89=0* 1 75' 8' D06=54 : .479'
73' .2060' 5850' C0D8"6' 89D' 375'$ ' ' 09G
B58?49B6' 600' F05C89L6' "08590D' 89D' ?8"A8 ; "0'
<75F' 79' ' ' $' ' ' #
' C0D8" 86=54 ; 0D' ; @' &7". \4A6' .7' .20' C : 0575'
"8AD4A6' 89D' <24=2' .28.' <54.05' : A ; "46206' 86'
7524 ; 4.49B' .20' 0 : 4B58 : 2' 73' ' ' '
286' B4?09' 5460' .7' CA02' D46 : A.8.479' 8C79B6.' .20'
"08590D# (20.205' .20' &7". \48A' = 749' 20' B09A490'
75' <20.205' 4.' ; 0' 6 : A547A6' .2A6' CA=2' 46' =05.849'
.28.' .2050' <86' ' .7<9' 73' .20' 68C0' 98C0'
89D' ' 8 : : 0856' .7' 28?0' ; 009' 64.A8.0' 79' . ; 0' =786.'
73' 8A54.8948' P 49B4.898' M97<' 0\' 49' 75.2059'
354=8*N' ==75D49B' .7' 8' : 8668B0' 49' .20' 0"D05'
"49@' 4.6' 754B498" 8 : : 0""8.479' <86' 49B46' M97<'
e 89B405N' 89D' 4.' <86' C8D0' 8' =7"79@' ; @' "89D496'
79D05' .20' .4."0' 73' -
K ' ' " + %' <86' ; 759' 8.' .8"4=8'
M97<' F ' ' ' 75' "D' 0?4""ON' 49' : 849'
49' .20' @085' 73' #7C0' ' , .2' 73' 4 : .0C ; 05'
2 ' M>* 46' 38C4"@' <86' C750' D46.49BA4620D' 375'

4.6' 89.4SA4.@' .289' 4.6' 589F' 246' 38.205' ; 049B' 2'
67"D405' 73' 24B2' 50 : A.8.479' M<2760' : 75.584.' <86'
83.05<85D6' : "8=0D' 79' 246' 679L6' =7498B0N' <86' .20'
3456.' 73' 246' 58=0' <27' 0S 7@0D' .20' 2797A5' 73' .20'
=796A"8.0* ' (24"6.' @0.' 2' ; 7@' 49' 8B0' 5S 89'
07CC09=0D' 246' : 58=.4=8"# 6.AD@' 73' .20' 85.' 73'
<85' A9D05' .20' : 8.0598"# 8A6 : 4=06' 49' =8C : 84B96'
8B8496.' .20' 85.24696' 89D' <4.2' 67' CA=2' 6A==066'
.28.' 20' ; 0=8C0' 790' 73' .20' C76.' =0"0 ; 58.0D'
B09058"6' <2760' ?4=.7540'6' 850' 0957""0D' 49' .20'
8998"6' 73' #7C0# 0' <86' C8D0' : 90.75' ?*7# Ha

9 7' N' 89D' =7967" ' 9 s ' a , N" 3.05' <24=2' 20' <86' 609.' ;@' 7C4.489' 49.7' :849' <209=0' ;@ =7CC89D' 73' .20' 68C0' 0C:0575' 20' :57=00D' .7' S90"" 89' 496A550=.479' 49' &05C89@" .' <86' 49' .20' 8A.AC9' 73' .20' @085' (' [' N" <24"6.' 5064D49B' 8.' 7"7948' B54: :498' M97<' 7"7B90N' 86' :5030=.' 73' .20' 7<05' &05C89@' 89D' 09.05.84949B' 97' ?40<6' 73' 6A=2' 0"0?8.479' .28.' 20' <86' 8D7:.0D' ;@' 05?8' ;049B' 86' "49@' .20' =796A" 0I:506606' 4. 1 F ' ! F ' h ' ' , F 6 ' ' #, 6 16 ' ' + ' 6 * ' #1 , F F ' ' ' + ' ' '$ =' ' 05?8' 8"67' 62850D' <4.2' 24C' .20' .4."0' 73' 1 1 2760' .<7' :549=06' 49D00D' 600C0D' 86' C09' D06.490D' ;@' .2045' A9479' .7' 60=A50' .20' :576:054.@' 89D' 28:: .49066' 73' .20' 0C:450" 20' 504B9' 73' 05?8' <86' .77' ;5403' ;A.' .28.' 73' 9@89' <86' 0I.09D0D' "79B' 097AB2' .7' 0I24;4.' 24C' 86' .20' 8:: 57?0D' 3.5409D' 73' .20' #7C89' :07:"0' 89D' .20' 345C' :57.0=.75' 73' 8"" .20' #7C89' 389=406* 1 .' .20' D08.2' 73' 05?8' M?*=" [,' ' a N' 58 89' .77F' .20' .4."0' 73' ABA6.A6' ;049B' 6.4"" 8.' 7"7B90' 0C:"7@0D' 49' 6A:: 506649B' .20' 7A.;508F6' 73' =05.849' ;85;857A6' .54;06' 49' .28.' ?4=494.@* 1 20' 37""7<49B' @085' 20' 50.A590D' .7' #7C0' 09.0549B' .20' =4.@' 79' 377.' 8C4D6.' .20' 8:: "8A606' 73' .20' =4.4\096" 7.' 79"@' .20' :890B@54=' 73' "49@' <27' 6:74"6' .20' :5846O' 73' .5A.2' 4.60"3' ;@' .20' 0I.58?8B89=0' 73' 3"8..05@' ;A.' 8"67' .20' C750' =8"C' 89D' 67;05' 0?4D09=06' 73' =7496' A94.0' 49' 8..06.49B' .28.' 246' "85B06606' " ' <050' D46.54;A.0D' .7' .20' :07:"0' 79' 8' 6=8"0' 73' C76.' CA9434=09."4;058"4.@" 246'@085'M?*=" ' 'aaN' 97.' 79"@' .20' .4."0' 73' # ' <86' 8664B90D' .7' 24C' ;A.' 8"67' .20' 97?0" 89D' .7' 24C' :0=AG' "485"@' 8==0:.8;"0' 8::0""8.479' 73' 1 + ' <86' =796' 30550D' 79' C' ;@' .20' 6098.0' 8".27AB2' 4.' D706' 97.0' 8:: 085' 67' 085"@' 79' 246' C0D8"6" 8?49B' 503A60D' .7' :8@' .20' 899A8" .54;A.0' <24=2' 0=0;8"A6' F49B' 73' .20' 8=4896' 28D' 018=.0D' 357C' .20' :A64""894C7A6' 7C4.489' 58 89' 37 7<0D' A:' 246' D0.05C498.479' .7' <4:0' 8<8@' .246' 4B97C49@' 357C' .20' #7C89' 98C0' ;@ 09.0549B' 8=48' 8.' .20' 208D' 73' 246' 85C406' ?*=" [' ' , ,' 20' <85' =79.49A0D' .4"" ' [' ' , H' <209' 28?49B' "76.' 246' =8:4.8" 85C4\0B0.2A68' 89D' .20' B508.05' 85.' 73' 246' F49BD7C' 0=0;8"A6' 67AB2.' 89' 8AD409=0' 73' 58 89' 89D' 2AC;"@' 6A0D' 375' :08=0' <24=2' 20' 7;.8490D' 79' ?05@' 285D' =79D4.4796" #0.A5949B' 6275."@' 83.05' .2060' 6A==06606' .7' #7C0' 9B89' 09 7@0D' ' '+ ' + ' 89D' 50=04?0D' 357C' .20' 6098.0' 246' 6A598C0' 73' . 1 9' .20' @085' ?" =" ' ' ' , ' 0=0;8"A6' ;049B' 7:04D@' =285B0D' <4.2' 28?49B' ?47"8.0D' .20' .05C6' 73' 246' .508.@' <4.2' .20' 0C:450' 89D' <4.2' 28?49B' ;009' BA4".@' 73' 5090<0D' 8=.6' 73' 8BB5066479' <86' 8B849' D097A9=0D' ;@' .20' 6098.0' 86' .20' 090C@' 73' .20' #7C89' :07:"0* 1' ==75D498B"@' .20' 37""7<49B' @085' 9B89' 28?49B' =7C:"0.0D' 246' 6.A:09D7A6' <75F' 73' =796.5A=.49B' 8' 6.790' ;54DB0' 7?05' .20' 89A;0' 09.050D' 8=48' 375' .20' 60=79D' .4C0' 89D' 8B849' .7.8"" @' D0308.0D' 4.6' ;58?0' ;A.' 5862' 89D' A9375.A98.0' C7985=2' <27' F4""0D' 24C60"3' 49' D06:845" 20' 57@8" .5086A506' 73' 0=0;8"A6' <050' 37A9D' 04.205' 6A9F' 49' .20' 54?05' 85B0.48' 75' ;A540D' 49' =8?06" 20' 0C:0575' C8D0' 8' :57?49=0' 73' .246' F49BD7C' 89D' 50.A5949B' .7

#7C0' M?" ! ' [a' ' ' , N' 50=04?0D' .20' 32 06.' 2797A56' 73' 8' .54AC:2' 375' 246' =79SA06." 0896' <24"0' 89' 0I:0D4.479' <86' A9D05.8F09' ;@' 790' 73' 58 89L6' B09058"6' 8B8496.' .28.' :85.' 83' 58;48' <24=2' ;75D056' 79' KAD008" .' <86' =57<90D' <4.2' 6A==066' 89D' 46' 50=75D0D' .7' .20' 0C:0575L6' 2797A5' 79' =7496' ;@ .20' "0B09D' # 47' % " 4.7' 6.5A=F' 49' .20' 98C0' 89D' ;@ 8A.2754.@' 73' * *%*#" 1 9' .20' 68C0' @085' 20' ;0B89' .7' =796.5A=.' 8' 578D' .257AB2' .20' 79.490' 856206';064D06' 50:84549B' .20' 7"D' :8?0D' 578D' 357C' 090?09.9C' .7' C9DA64AC' <24=2' B508.' <75F6' 20' 3494620D' ?*=" H' ' , , ' 8.' 246' 7<9' 0I:0960" ^ 00' ' , 1 57C' .20' "86.EC09.4790D' :0547D' 20' 0C:"7@0D' 89' 49.05?8" 73' 9085"@' 34?0' @0856' 49' 0C;0""46249B' #7C0' 89D' .8"@' <4.2' 9AC;056' 73' A603A" 86' <0"" 86' C8B9434=09.' <75F6' 89D' 49' 50.A59' M?" =" ' ' , , HN' 28D' .20' 6=A":.A50D' :4""85' 73' .20' 7CC' D0D4=8.0D' .7' 246' C4C0' 89D' 2797A5 1 8' C79AC09.' 6.4 ' 0I46.49B' .7' :05:0.A8.0' .20' C0C75@' 73' 246' 8=489' ?4=.75406" 9' ' =" ' ' , , ' 208549B' .28.' 2765706' F49B' 73' 85.248' 28D' D46:760D' 73' .20' =57<9' 73' 5C0948' 58 89' 357C' 8' :5730660D' 50B85D' 375' .20' 54B2.6' 73' .20' #7C89' 0C:450' <24=2' 20' D00C0D' ?47"8.0D' ;@' .246' :57=0DA50' ;A.' 49' 508"4.@' 357C' 8' .77' B508.' "7?0' 73' =79SA06.' 89D' C4"4.8 ' B"75@' =85540D' .20' .05575' 73' 246' 85C6' 49.7' .20' 086.' <209' 20' :"8=0D' 8' #7C89' B7?05975' 7?05' .20' 85.24896' <27C' 20' 28D' =79SA050D' 89D' 83.05G' <85D6' @ ' =" ' ' , , [N' =7C:0 0D' 5C0948' 89D' 067:7.8C48' .7' 8=F97<"0DB0' 246' B7?059G' C09.* 1 75' .2060';54""489.' 8=240?0C09.6' 20' <86' =8""0D' # ' ;@' .20' 67"D4056' 8' .4."0' 6779' 83.05<85D6' =79345C0D' ;@' .20' 6098.0' 89D' 496=54;0D' 79' 246' =7496/ 975' <86' 4.' 89' 0C:.@ 98C0' 375' 479' 98558.06' .20' 8DC466479' 73' .20' 85.2489' F49B' .7' .20' :50609=0' 73' 58 89' 86' 8' 6A:: "489.' 375' .20' 85.2489' .25790" 9' ' =" a' ' , , ' 20' 09.050D' 66@548' 89D' 28?49B' 3456.' C8D0' 8' .508.@' 73' 7==A:8.479' <4.2' .20' =4.@' 73' .064:279' 79' .20' 4B546' 20' :090.58.0D' .7' .20' 627506' 73' .20' 056489' &A"3" 9' 246' 50.A59' .7' .064:279' 20' 8:: 749.0D' 85.28C86:8.0' F49B' 73' 85.248' 49' .20' 577C' 73' 2765706' <27C' 20' 28D' D0:760D" 1 ^ 00' 6' 46' "0 1 9D' 20' 0I:"750D' .28.' :85.' 73' 58;48' 64.A8.0';0.<009' .20' 54?056' L 4B546' 89D' A:258.06' M=8""0D' 357C' .28.' =45=AC6.89=0' 067G:7.8C48N* 1 75' <86' 4.' .7' .20' 85.24896' 79"@' .28.' .246' B508.' 0C:0575' 8664B90D' 8' 67?0504B9' ;A.' 8==75D498B' .7' 479' A.57:496' 89D' 7.205' <54.056' 20' 8"67' 8::749.0D' 5A"056' .7' 7.205' 98.4796' 89D' ;06.7<0D' 6=0:.506' 79' 7.205' :549=06 1 ^ 00' ' 4 "0 1 8.' .20' 8C0' .4C0' 50=04?49B' 67C0' 49.7' 8""489=0' <4.2' 24C' 375C49B' .508.406' 73' :08=0' 89D' 8C4.@' <4.2' 7.2056' 89D' 8D A6.49B' SA8550"6' <24=2' 28D' 6A;646.0D' ;0.<009' D4340509.' 6.8.06' .28.' 7<90D' 246' 493"A09=0' 75' 30".' 246' :7<05" A.' .20' D8@6' 73' .246' B508.' :549=0' <050' 9AC2050D' 89D' 246' =85005' 73' 0I46.09=0' 86' <0"" 86' 73' B"75@' <86' 386.' ?05B49B' .7' 4.6' ="760" 9' 50.A5949B' 357C' 246' 75409.8"' 0I:0D4.479' 58 89' ;0=8C0' 8' :50@' .7' D460860" 0' 286.090D' .7' 0C;85F' 375' #7C0' ;A.' .20' D4675D05' <24=2' <86' D57:64=8"' C8D0' 6A=2' 58:4D' :57B5066' .28.' 20' <86' 7;"4B0D' .7' 28"." 8.' 0"4999.AC' 49' 4"4=48' <2050' 28?49B' 8D7:.0D' 8D5489' 20' 0I:450D' 79' .20' , .2' ABA6.' ?*=" ' ' , , ' 8.' .20' 8B0' 73' , ' 8==75D49B' .7

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Y7590' 73' ['A' 7.2056' 86605.# 0' 28D' 504B90D' 9490.009' @0856' 89D' 8' 28"3# 46' ;7D@' <86' ;7C.' 8.' 0"49A9.AC' 89D' 246' 86206' 09="760D' 49' 8' B7"D09' 95B' <050' =85540D' .7' '7C0' ;@ "7.498' 89D' 8.4D48' M246' <430' 89D' 646.05N' 89D' .2050' D0:764.0D' <4.249' 75'9:79' .20' =0"0;58.0D' =7"AC9' <24=2' .20' 6098.0' 89D' :07:"0' 28D' 58460D' .7' ;46' 4C:054628;"0' 5097<9*1 3' :75."@' 6.8.A50' 57;A6.' 49'358C0' 89D' 285D@' 49' =796.4.A.479' @0.' 0424;4.49B' 49' 246' =7A9.0989=0' 89' 845' 73' B589D0A5.28.' =7C0' C89D0D' 50?0509=0' 58 89' <86' 8' C89' 97.' "066' 49.0""0=.A8""@.289' :2@64=8""@' SA8"4340D' ;@ 98.A50' .7' B7?059' 6A=2' 89' 0C:450' 86' .28.' 73' 7C0#' 3.05' 8""#' .20' 8.57=4.406' <24=2' 28D' =2858=.05460D' C76.' 73' 246' :50D0=066756' 20' <86' 50B85D0D' 86' 8' ;"0664'9B' 6:0=48""@' 609.' ;@ 57?4D09=0' .7' =7C375.' 89D' 506.750' 89' 834 =.0D' <75"D# 46' B508.' 89D' ;0903 4=09.' 8=.4796' 0C898.0D' 357C' 8' 97;"0' C49D' 89D' 89' 8C48;"0' D46:764.479 1 64C:"0' 89D' C7D06.' 49' 246' C899056' ;090?7"09.' 649=050' 49DA"B09.' B09057A6' :8.409.' @0.' A6.' 345C' 89D' D0=464?0' 20' =7C:75.0D' 24C60"3' .7<85D6' .20' 6098.0' <4.2' .28.' 506:0=.' 89D' .7<85D6' .20' :07:"0' <4.2' .28.' ;094B9' 8338;4"4.@' <24=2' C8D0' 8""# 300# .28.' A9D05' 24C' .20' 89=409.' 3500D7C' <86' 506.750D' 89D' .28.' .20' 6A598C0' 73' 1+ 5V' ;06.7<0D' 79' 24C' ;@ A94?0568" =79=A5509=0' <86' 8' .4."0' <0"# D0605?0D# 2057' 49' ?8"7A5' 58 89' 50E06.8;"4620D' .20' D46E =4:"4A0' 73' .20' 85C406' ;@ ;049B' 24C60"3' 89' 0I8C:"0' 0SA8""@' 73' .20' =4?4# 89D' .20' C4"4.85@' ?45.A06# 6'49' :54?8.0' "430' C7D058.0' 89D' A976.09G .8.4796' 67' <2090?05' 6.8.0' :7"4=@' 75' .20' C8 06.@' 73' .20' #7C89' 98C0' <20.205' 49' :08=0' 75'49' <85' 50SA450D' 4.' 20' <86' C76.' "4;058# 49' 0I:09D4.A50' 89D' =796:409CA' 375' .20' 24B206.' D46:"8@' 73' 4C:0548# C8B943 4=09=0# 46' =7496' ;085' 496=54:G .4?0' .06.4C79@' .7' .20' 508"4\8.479' 73' C89@' 73' 246' B508.' :57 0=.6' 3A5' .20' ;09034.' 73' 246' 6A;0=.6' 89D' 8D?89.8B0' 73' 246' ?86.' .0554.75406' 49' .20' 37A9D49B' 73' =4.406' .20' 375C8.479' 73' 578D6' .20' 7796.C0E .479' 73' :75.6' 89D' ;54DB06' 89D' .20' ;A4"D49B' 73' 0D434=06' 8.' 79=0' 6A:05;' 89D' A603A"# &508.' 89D' B77D' 49' B09058# =2858=.05' 89D' =79DA=.' 20' <86' 9A.' <4.27A.' ?4=06# ' :57909066' .7' 0I=066' 49' <490' 46' C09.4790D' 86' 790' 89D' .28.' 97.' .20' <756.' 73' .<7' D0B58D49B' :57:0964.406' "84D' .7' 246' =285B0# A.' .20' 38A":' <24=2' =7C06' C76.' :57G C4909."@' 49.7' ?40<' 86' 8330=.49B' 246' =2858=.05' 375' :549=0"@' <46D7C' 89D' :5AD09=0' <86' 246' 0I.50C0' 379D9066' 375' C4"4.85@' B"75@ 1 8' :866479' <24=2' "0D' 24C' 49.7' =79.49A8" <8538.2' .2A6' 09D89B0549B' .20' 6830.@' 73' 246' 0C:450' ;@ .77' B508.' 89' 0I.096479' 73' 4.6' ;7A9D85406' 89D' =7960SA09."@' 8;609.49B' 24C60"3' .77' 73.09' 89D' .77' "79B' 357C' .20' :57:05' 6=8.' 73' 8DC4946.58.4?0' :7<05 1 .20' C0.57:7".489' =09.50' 73' 246' D7C494796# 0?056 .20"066' 67' D085"@' 89D' 49D00D' 67' A6."@' A:79' .20' <27"0' <86' .20' C0C75@' 73' .246' 4""A6.547A6' 0CG :0575' :54\0D';@ .20' #7C896' .28.' 375' 8B06' 83.056 <85D6' 49' =79B58.A"8.49B' 08=2' 6A==00D49B' :549=0' 79' 246' 8==06647'9 .7' .20' .2579 0' 73' .20' 606856' .20' 6098.0' 0I:50660D' 4.6' <462' .28.' 20' C4B2.' ;0' T 28::405' .289' ABA6.A6' 89D' ;0..05' .289' 5S 89$ ' + 1 7 ' L' (0' 28?0' .20' 0?4D09=0' 73' =7496' 86' <0"# 86' 73' 9AC057A6' 496=54:.4796' .7B0.205' <4.2' 97.' 8' 30<' :8668B06' 357C' 246.754896' .7' 627<' .28.

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P 58 89' <86':"8=0D' 83.05' 246' D08.2 P 8==75D49B' .7' .20' 6A:056.4.4796' 6@6.0C' 73' .20' &500F' 8:7.207646' 49' .20' 9AC;05' 73' .20' =0"06.48"' D4?494.406# :85E .489A6' 8334 5C6' .28.' 0?09' 8' .0C:"0' <86' D0D4=8.0D' .7' .20' <75624:' 73' 4??6' 3 !

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1+ L "49@' 49' <2760' 890Bi554=' .20' .4."06' =7930550D' ;@ .20' 6098.0' 79' 58 89' 850' 09AC058.0D' 8..06.6' .20' 38=.' .28.' .28.' 73' 1+ ' <86' B4?09' .7' 24C' 6779' 83.05' 246' 8554?8"' 8.' .7C0' 357C' &05C89@ 1 98C0"@' 8;7A.' .20' @085' ?*7# [H' -' " N' ;A.' 904.205' 79' =7496' C85;"06' 975' :A;"4= C79AC09.6' D706' .246' .4."0' 8::085' .7' ;850' ;009' A60D' 49' =79 A9=.479' <4.2' 246' 7<9' 98C0' ;03750' .20' @085' ; ;' ' ,b' ' 89D' .209' 86' 50B85D6' 246' C0D8"6' 4.' 90?05' 8::0856' 79' .20' 7;?0560' ;A.' 8"<8@6' 79' .20' 50?0560' 89D' 8"C76.' 8"<8@6' .246' 6# :# S# '# 749#4 '#3! "!#! / .' 46' 8"67' .7' ;0' 7;605?0D' .28.' 8.' .20' 68C0' :0547D' 49' <24=2' .246' 375C' ;0B44A' .7' 7;.849' .20' =A6.7C' 67' ;0B89' 7.' 496=54;49B' .20' 98C06' 89D' .4."06' 73' 58 89' 8"<8@6' 49' .20' D8.4?0' 49' 7.205' <75D6' 49' .20' D0D4=8.75@' 6.@"0# 09=0' 4.' 46' 6A334=409."@' 0?4D09.' .28.' 8;7A.' .20' 68C0' .4C0' ;@ 8' 90<' ' 4.' <86' D0=500D' .28.' .20' .4."0' 1+ ' ! +'627A"D' ;0' 496=54;0D' 79' :A;"4= C79AC09.6# .' "09B.2' 27<0?05' 49' .20' @085' *=# ' ' , ' 4.' ;0=8C0' .20' :58=.4=0' .7' 7C4.' 1+ '# +' 79' .20' 50?0560' 73' 246' =7496' 89D' .7' .5896305' .20' <75D' 1+ ' ;@ 4.60"3' .7' .20' 7;?0560' 49' 6A=2' 8' <8@' 86' .28.' 4.' 8"<8@6' 46' 37A9D' .7' 7==A:@' .20' 49.05C0D48.0' 6:8=0' ;0.<009' 89D' 2 1 57C' .246' D8.0' .20503750' 4.' 8::0856' .28.' .20' .4."0' 49' SA06.479' ;0B89' .7' ;0' 8::"40D' .7' 58 89' 86' 8' 508"# =7B97E' 6809' 89D' 4.6' A60' 86' 69=2' 0I.09D0D' .7' .20' =7496' 73' 246' 6A==06675' 8D5489'.7'<27C';0=8A60' 4.' <86' ;0=7C0' 8' .5A0' 6A598C0' 4.' :8660D' ;@ 8D7:.479*1 00 =F20"#6' 7;605?8.4796' 79' .20' .4."06' 73' 58 89' ?7"# ?4':# [* 1 1 20' .4."0' 73' 1 ' <86' 97.' 8664B90D' .7' 58 89' 79' 8==7A9.' 73' 89@' ?4=.75@' B84900D' ;@ 24C' 49' &05C89@' ;A.' D06' ?7"?0D' .7' 24C' 86' .20' 8D7:.0D' 679' 73' 05?8 1 .20' "8<' 73' 8D7:.479' =8A649B' .20' 679' .7' 69==00D' .7' 8""' .20' .4."06' 73' .20' 38.205# 9' 496.89=0' 73' .20' 7:058.479' 73' .246' 68C0' "0B8" 54B2.' <86' 0I24;4.0D' 49' .20' 086O' 73' 8D5489' <27' <209' 3456.' 50=7B9460D' ;@ .20' #7C89' 098.0' 89D' :07:"0' 86' 58 89\6' 8D7:.0D' 679' <86' =8""0D' 1+ ' . ' # 1.20' =7B97C498' 73' 246' :50D0=06675# "49@' .20503750' 86605.6' <28.' 46' S94.0' 49' 8==75D89=0' <4.2' .C.2' <209' 20' 68@6' 73' 58 89 (' 1 ' + ' 4,60 'a' ;' ' M#7C8N' 9D00D' .20' .4."0' <86' =7CCA94=8.0D' .7' 24C' ;@ 8D7:.479*' 9' "4F0' C89905' 89D' 79' .20' 68C0' :549=4:"0' .20' .4."06' ! ' ' 89D' + ' <050' 8"67' 609.' .7' 24C' 3457C' #7C0# ==75D49B"@' .20' 3456.' =7496' 73' 58 89' 0I24;4.' .20' .4."0' 73' 4 ' 86' ;0"79B49B' .7' 24C' ;@ 8D7:.479' 975' 850' .20@' 7C4..0D' 0?09' 49' .20' "8.06.' :57D90.6' 73' 246' C49.* . L 246' .4."0' <86' =7930550D' 79' 58 89' 375' 246' B"7547A6' ?4=.75406' 7?05' .20' 8=4896' 89D' ;0B89' .7' ;0' A60D' 79' =7496' 89D' 7.205' :A;"4= C79AC09.6' 49' .20' @085' *=# H[E[' ' , *

0* 1 .' 286 ;009 7;605?0D' 49 .20 ;47' 58: ;4=8" 97.4=0 73 .246 0C:0575' .28.' .20 0:4.20.' # ' M.20 85.2489M!;0B89 .7 ;0 49="AD0D 8C79B6.' .20 .4."06 73 58 89' *= a 4* N' 49 <24=2 @085 .20 .54; A94.489 :7<05 46 94A9;050D I4I 89D II 9 8 =7:47A6 97.0 73 0I:"898.479 79 .246 :749.' .20 "0859 0D =F20" 620<6 79 .20 8A.2754.@ 73 479 .28.' ' 9 , ,[N' 83.05 75 79 .20 .8F49B 73 464;46 M97< 46;49N' 89 4C:75.89.' .7<9 49 067:7.8C48 M89D 375 9085"@ .<7 =09.A5406 89D 8 28"3 83.05 <85D6 8' 3579.405 73 .20 0C:450N' 58 89 <86 =8""0D $;@ 246 67"D4056 A.' 97.' =27649B .7 506.' ;46 :50.0964796 .7 .28.' 2797A5 79 .2045 8==84C6 8"790 20 <84.0D 375 .20 =7A 5C8.74@ 8=.' 73 .20 6098.0 ;03750 20 866AC0D 4. 28.' =794"5C8.479 8::0856 .7 28?0 ;009 8<85D0D 79 .20 7==86479 73 246 .8F49B .064:279 <24=2 28::090D 8;7A.' .20 @085 ?*= a M8* , , N' 357C <24=2 .4C0 .20 .4."0 ;0B89 .7 ;0 86=54;0D .7 24C 79 :A;"4= C79AC09.6 2050 46 M I.89.' 89 0I.50C0"@ 5850 =7960=58.479 C0D8" 73 58 89' 6.5A=F 49 B7"D' <24=2 :57?06 .28. ' 79 8==7A9.' 73 246 B508.' 6A==0660 8B8496.' .20 85.24896' 97.' 79"@ <86 .20 98C0 73 # ' D0=500D .7 24C' ;A.' :05C8909.' B8C06 " %' 75 6:0=.8="06 73 .54AC:2 " + K ' + 7 =8""0D T 85.2489V <050 496.4.A.0D .7 .;0 2797A5 73 246 98C0 89D C0C75@ ;@ .20 6098.0 89D :07:"0 73 #7C0* 1 00 $! !!# ' % $!" 20 =7496 73 58 89 850 ?05@ 9AC057A6* 1 9 .2060' 8C79B6.' 7.205 496=54:.4796' 20 46 6.@"0D EEE # # ' # # *1 # * # # # # # # *1 # # #* # # # #* # #E 4=?6* # *1 3.05 246 D08.2 89D =7960=58.479 ' # ' # *EEE ' # # # # #* 1 $'6 '?8 1 &7"D3* 7C0 50?05606 $$' ' .28.' <4.2 .20 208D 73 58 89L6 38.205 * * * / 4"?05 (' 2050 850 8' 30< 5850 50?05606 49 .246 C0.8"* 1 4"?05 C0D8""4796 *$ 1 '56.' 60=79D 89D .245D ;5866 (' 7C0 50?05606 ' 89D ##* 1 5866 C0D8""4796 * * * 1 $' ! '$) 1 4"?05 C0D8""4796 ##* 1 ' 5866 8.49 7"7948" * * ' $$$ 0?058" :40=06 50:50609.' 5B 89 <4.2 05?8 ' <4.2 246 38.205 <4.2 246 C:5066 "7.498 89D <4.2 8D54 2060 850 73 B508.' 5854.@ 58 89 506.750D C89@ =7496 73 #7C89 38C4"406 89D 60?058" 73 246 4C:0548" :50D0=066756 ?75 8 "46.' 73 .2060 60 F09989L6 . + ' ' C79B6.' .20 =7498B0 73 .246 0C:0575 28?0 ;009 37A9D 67C0 ?05@ 50C85F8;"0 :40=06 .7 <24=2 =F20" 89D 7.205 05AD4.0 C0D8""46.6 B4?0 .20 8:0""8.479 73 ' 86 28?49B ;009 6.5A=F 49 .20 C0.8" 73 D4330509.' :57?49=06 73 .20 0C:450 6A=2 86 8"C8.48 8997948 754=AC =* 1 00 # K ' MD3* T- + %' .20 38.205 73 58 8996 ABA6.A6 ;759 49 849 8:40856 .7 28?0 ;009 8 D46.49B94620D 67"D405 DA549B .20 504B9 73 057 75 4.' 46 50=75D0D ;@ K760:2A6 "* - ' 444*= ' *H,N .28.' 06 486489 .209 49 =2403 =7CC89D 73 .20 #7C89 85C@ 0C:"7@0D 49 .20 K0<462 <85 609.' 7A.' 58 89 =7CC89D05 73 .20 .09.2 "0B479 <4.2 790 .27A689D 27560C09 ['

89D .<7 .27A689D 377.' 8B8496.' 8 =4.@ =8""0D - + ' 9085 "7.8:8.8 49 <24=2 0I:042.479 20 627<0D B508.' =7A58B0' 6F4"" 89D :5AD09=0: ;A.' 8.' .20 C7C09.' <209 .20 ;0640B0D 6 050 50DA=0D .7 .20 "86.' 3I.50C4.@ 20 67"4=4.0D 06:86489 .7 609D 4.A6 <4.2 8 6C8"" 5049375=0C09.' .28.' .7 .20 679 73 246 B09058" C4B2.' D0?7"?0 .20 2797A5 73 .8F49B .20 :"8=0* 1 2068C0 246.75489 50=75D6 897.205 496.89=0 DA549B .20 68C0 C0C758;"0 =79.06.' 49 <24=2 58 89 8B849 605?0D 8;"@ 89D 6A==0663A @ 86 4.A6L6=7C:89479 49 85C6 75 .20 SA8"4.406 73 8 ;58?0 89D B77D 7334=05 .2050G 3750 20 6.77D 24B2 49 .20 =7934D09=0 73 06:86489 <27 679 83.05 246 7<9 8==0664 7 .20 4C:0548" .25790 =8A60D 24C .7 ;0 0"0=.0D =7A6A" "49@ .20 @7A9B05 =8""6 .20 0"D05 58 89 M73 =796A"85 D4B943@N 89D 286 .2A6 :50605?0D .20 50C0C;589=0 73 .246 0?09.* 1 .20 8"09D856 "! %' C8F49B 97 C09.479 73 246 98C0 M@0.' .2050 46 97 D7A;.' 68@6 =F20" 73 246 28?49B ;009 $$ 1 .*=* =27609 .7 34"" .20 =796A"8.0N "40 8"67 600C6 .7 28?0 ;009 8.' .28.' .4C0 0957""0D 8C79B6.' .20 :8.54=4896.' 375 "49@ M49 .20 68C0 :8668B0 73 246 890B@54= 79 .20 0C 40575 246 67AN' 8"67 D064B98.06 24C 86 + ' 3.05 .20 :0547D 73 246 =796A"624: 20 <86 609.' 86 :57:560.75 49.7 @548 246 38=.' 46 86=05.8490D 357C 8 50C85F8;"0 ;5866 C0D8" :A;"4620D 49 .20 0C;57F0 A60AC M:85.' H' .8; N' 89D .20 0I46.09=0 73 <24=2 <86 :50G ?47A6"@ A9F97<9 .7 84""89.' 89D .7 :89204C 20 =749 49 SA06.479 ;0856 79 4.6 7;?0560 .20 "8C09.0D ;08D 73 4.A6' <4.2 .20 "0..056 ! # ' .20 506.' 73 .20 "0B09D ;049B 0338=0D* 1 75 "0B09D 73 50?0560 4.' 286 94 + 3" ' ' "F) ' ' ' ' ,>HN* 1 =F20" 620<6 357C .20 0:7=26 ' ' C85F0D 79 .246 =749 73 9.47=2 49 @548 .28.' 4.' <86 6.5A=F 49 .20 @085 73 #7C0 >a 9 ' N' 89D' C7507?05 .28.' 4.' :57?06 <28.' 46 97.' .7 ;0 B"0890D 357C 89@ <54.05 .20 38=.' 73 @548 ;049B .209 B7?0590D ;@ 7 1 # ' 86 :57:58 .75* 1 2050 46 8 3490 :8668B0 49 .20 890B@54=2 73 "49@ 8;7?0 8""AD0D .7 <24=2 0I:5066"@ ;0856 .06.4C79@ .7 .20 38=.' .28.' 58 89 .20 38.205 ;7"D"@ B58:"0D 49 .20 340"D 73 ;8.."0 <4.2 85.2489 3057=4.@ 89D 28AB2.49066 "$ ' +) 0 '# - '89D <79 <0""D0605?0D "8A50"6 49 ?4=.75@ 7?05 .28.' 375C4D8;"0 090C@ 73 .20 #7C896 A.' .20 .4C0 89D 7.205 =45=AC6 6.89=06 850 97.' F97y9 T .' 8:0856 27<0?05 M68@6 =F20"N' 357C <28.' 28?0 7;605?0D 49 .20 8998"6 73E 06:86489A:.' .7 .20 @085 ?*= > ' 9 [N' 8AD =""=@ 286 =85540D 246 50C85F6 6.4""6 3A5.205 .28.' 4.' <86 8;7A.' .20 :0547D <209 06:86489 <86 0C;574"0D <4.2 7""7B0606 .20 85.2489*U 1 49=0 .20503750 8==75D49 .7 .20 =749 8;7?0 SA7.0D 7 '# <86 B7?05975 73 @548 89D 649=0 20 46 C0A.47A0D ;@ "49@ 86 D0=758.0D <4.2 .20 85.2489 "8A50" .20 :57G ;8;4"4.@ 46 .28.' .20 =79DA=.75 .28.' <85 8D ;009 09.5A6.0D .7 .20 50:500.75 58 89 ;@ 06:86489 89D .28.' 20 49 =7960SA09=0 7;.8490D .20 7598C09.6 73 8 .54AC:2 375 "49@ 49 897.205 :"8=0 8"67 =8""6 24C + ' P 28.' 20 <86 :57C7.0D 357C .20 :57:560.75624:' 73 @548 .7 .20 :57=796A"85 B7?059C09.' 73 648 46 8 38=.

:8=4340D' 375' 8' .{C0' .20' 375=4 ' 09=9440B' 73' .20' 6.8.0 ' 20' 894?0D' 8.' #7C0 ' 49.7' <24=2' 20' C8D0' 86' :7C : 796' 89' 09.5@' 86' 43' .20' :08=0' 20' 28D' A6.' =79="AD0D' <7.2' .20' 285 ; 844896' 28D' ;009' .20' 35A4.' 73' 246' ?4=.7540б' 7?05' .20C* 20' :06.4"09=0' <24=2' <86' .209' 58?83349 z' .20' <75"D ' 28D' 8..8490D' 4.6' C76.' 354B2.3A" C75.8"4.@* 76.4"48996' 46' 684D' .7' 28?0' 2009' 790' 73' 4.6' 9AC ; 05"066' ?4=.4C6 ' >[>* 1 50 ; 79489A6 ' 86=54 ; 49B' .7' .20' 2546.4896' .246' <4D0E6 : 508D' 89D' D067"8.490' :"8BA0 ' 6A ; 0=.0D' .20C' .7' 8' =C0" : 0560=A.479* 089<24"0 ' 20' 89D' 246' 679' 50C8490D' 49' .20' =4.@ ' 09D08?7A549B' .7' B849' :7 : A"85 38?7A5 ;@ .2045 =7A5.06406' 89D' "4 ; 058"4.406 ' 975' <4.2' 8"" 6A=2' 86' <050' 86' 49D7"09. ' ?7"A: .A7A6 ' 89D' =755A : .' 86' .20C60"?06' D4D' .20@ 384" 73' 6A==066* A.' 38C490' 8=07C : 8940D' : 06.4G "09=0* 1 20' &7.26 ' 49' 897.205' 49?86479 ' 79' 790' 64D0 ' 89D' .20' 0564896 ' 5A6249B' 8=5766 .20' 086.059' 3579.405' 79' .20' 7.205 ' 7?05E589' .20' 34906.' : 57G ?49=06 ' 89D' .20' 504B9' 73' 50 ; 79489A6 ' ;0=8C0' 8' 6A==06647 9' 73' C4605406 ' D0?86.8.4796 ' 89D' 2755756* 9' >[H ' 0C4"48996 ' =7CC89D05' 73' .20' "0B4796' 49' 258=0' 89D' =0648 ' <27' 28D' A6.' ?89SA4*6 ; 0D' .20' &7.240' 49?8D056 ' <86' :57="84C0D' 0C : 0575' ;@ 246' 67"D4056* 9' 208549B' .246 ' 50 ; 79489A6' 8.' "09B.2' 8 ; 89D790D' .20' 07A560' 73' 0330C498.0' "A I A5@ ' <24=2' 28D' ;57AB2.' 246' 8338456' .7' .20' ?05B0' 73' C49 ' 89D' ; 0B8.3' .7' .8F0' C086A506' 375' .20' D0309=0' 73' 246' .25790* 0' 09.5A6.0D' .20' 3456.' 7 : 058.4796' 73' .20' <85' .7' 8"05489A6 ' <27' 28D' 375' .28.' : A5 : 760' D58<9' 375=06' 3457C' &8A" 89D' &05C89@* "4.' C4"489' <86' ; 03750289D' <4.2' 24C ' 89D' 050' .20' ="760' 73' .20' @085' 28D' 09.050D' .8"@' 8.' .20' 208D' 73' 8' B508.' 85C@* 1 9' .20' ; 0B4994 9B' 73' >[' 50 ; 79489A6' 60.' 7A.' 357C' #7C0' .7' 09=7A9.05 *$C4"489 ' ;@ <27C' 20' <86' .7.8""@ D0308.0D' 49' 8' : 4.=20D' ; 8..''0 ' 246' 7<9' 67"D4056 ' D06 : 4649B' 246' =7<85D4=0 ' 6'0<' 24C' 49' 246' 3"4B2.' .7B0.205' <4.2' 246' 679' 7"A6489A6 ' 9085' 9.058C98' M97< 0584N ' 49' C ; 544"4 0' D40D' 49' .20' ?K.2' @085' 73' 246' 8B0* A549B' .20' 04B2.009' C79.26' 73' 246' 27"D49B' .20' B7?059C09. ' 20' 28D' D790' 97.249B' <75.2@' 73' : 58460 ' 975' 28D' 20' ;009' 38?7A50D' <4.2' 2' 649B"0' 49=4D09.' 73' B77D' 375.A90 ' 79' .20' =79.585@ ' 246' 504B9' <86' 790' 73' .20' C76.' =8"8C4.7A6 ' 86' <0"" 86' .20' C76.' D46B58=03A" ' 50=75D0D' 49' .20' 8998"6' 73' .20' 0C : 450* 75' .20' =7960SA09=06' <24=2' 4CC0C' D48.0 ' 37""7<0D' .20' D08.26' 73' 50 ; 7948996' E89D' 7"A6489A6 ' 600' 7$ ' 89D'

20' =7496' 73' 50 ; 79489446' &8""A6' 850 1 49' B7"D' 44##*' 49' 64"?05 =* M<4.2' ?05@' 30<' 0I=0 : .4796N ' 3456.' 89D' 60=79D' ; 5866 ' 8.49' =7"7948" *1 9' .20C' &" 46' 6.@"0D' (.4E?6*

* 2 ' # * * 1 9H' * *

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' &*F * 1 246' 0 : 4B58 : 2 ' 79' .20' 50?0560' 73' 8' ?05@' 5850' 64"?05 =749' 73' &8" ; 8 ' 8==7C : 8940б' .20' .@ : 0' 73' .2500' 30C8"0' 208D6' A : 79' B"7 ; 06 ' ; 0375' 08=2' 73' <24=2' 46' M67C0.4C06N' 89' 085' 73' =7C* 1 20' 7 ; ?0560' 0I24 ; 4.6' 89' 0S90*6.5489' 34BA50' 73' &8" ; 8 ' <4.2' .20' =45=AC6=54 : .479' 73'

* * ' *

246' =749' <7A"D' 600C' .7' C8F0' 4 ' =79646.' 73' .2500' D4?464796' 79"@' 86' D06=54 ; 0D' ;@ KA"4A6

' & *1 # P # *

6685' <2050866' "8.05' 246.7548966' 49375C' 96' .28.' 4.' <86' : 75.4790D' 733 ;@ ABA6.A6 ▫ >

(' > N 49.7' 37A5' B508.' :57?49=06 1 98C0"@' 85 ; 7909646 ' SA4"8948 ' ABD44909646 ' 89D' 0"E B4=8* 1 9' .20' .06.4C79@' 73' 8=4.A6 ' 27<0?05' 4.' C8@ ;0' ;0"40?0D' .28.' 0"B4=8' <86' 83.05<85D6' 0I="AD0D' 357C' .246' 85589B0C09. ' ;0=8A60' .2760' &8A"462' =4.406' <24=2' "8@' 908506.' .7' .20' &05C894=' "0B4796' 7 ; .8490D' 357C' &8" ; 8' 904.205' .20' 7 ' ' 975' 89@' 50"403' 357C' .818.479 ' 86' .20' 7.2056' 28D' D790' 98@' 67C0' 73' .2760' =4.406' <050' 6A ; 0=.0D' .7' 8' D4C49A.479' 73' .0554.75@ ' : 57 ; 8 ; "@' 79' 8==7A9.' 73' .2045' 28?49B' .77* .85D4"@' B4?09' 49' .2045' 8D20647 9' .7' 24C' 0?09' 83.05 49D0I' 28D' ;009' 6"849* 1 A.' .246' 7C466479' 73' 0"B4=' &8A" 46' 7 ; 605?8 ; "0' 79' C85 ; "0' 8"67* 2A6' 79' 790' 49' &5A.05 ' <0' 508D'

* # * ' % * 20' 68C0' .2500' :57?49=06' 850' D7A ; "066' 8""AD0D' .7' 79' 7.205' C85 ; "06' 496=54 ; 0D' ▫

.' 46' "4F0"@' .209' .28.' ="B4=8' <86' 60 : 858.0D' 357C' .20' 7.205' .2500' &8""4C' .20' <27"0' .58=.' 73' &8A" 64.A8.0D' 79' .20' ; 89F6' 73' .20' #2490' 28?49B' ; 009' 50DA=0D' .7' 6A ; 0=.479' 89D' D4?4D0D' ;@ ABA6.A6' 49.7' 4 ' ; + ' 89D' $ ' 246' 38=.' 46' B8.2050D' 357C' 8=4.A6 ' <27' 49' 246' ' M* , N ' 6 : 08F6' 73' .<7' 85C406' 375C0D' 79' .20' #2490 ' 790' 49' .20' : : 05 ' .20' 7.205' 49' .20' 7<05' &05C89@ ' 89D' ; 7.2' 6A ; 75D498.0' .7' &05E C894=A6 ' .20' =7CC89D05E49E=2403 ' .209' 49' .20' 49.0547 5' 73' &8A" ' 27"D49B' .20' 8660C ; "@' 73' 6.8.06' 89D' =7""0=.49B' .20' 50?09A06' 73' .28.' 98.479* 20' 68C0' <54.05' C09.4796 ' A9D05' .20' 504B9' 73' 4 ; 054A6 ' T' &05C8948' 6A : 05475U' 89D' T' &05C8948' 49305475*U' A.' 4.' 46' .7' ;0' 50C0C ; 050D' .28.' ; 7.2' .2060' D46.54=.6' "8@' 79' .20' "03.' ; 89F' 73' .20' 342490 ' 89D' 375C0D' 97' : 85.' 73' &05C89@ ' : 57 : 05"@' 67' =8""0D* 57C' .28.' .4C0' .20' + ' * ' 89D' 4 ' + ' 89D' $ ' 600C' .7' 28?0' =796.4.A.0D' 790' 89D' .20' 68C0' .0554.7548" ; 7D@* 09=0' .20@' 850' 73.0@' A9.4.0D' .7B0.205' 49' 496=54 : .4796 ' 86' 49' &5A.05 ' * 8549б' "0C096' 46' =8""0D' !7) - ▫ 8' & # 4 * 9D' 49' : 79 ' * A54A6' 8 ; 49A6' 46' 6.@"0D' ▫

#* 1 85D7A49' 04=49D06' 85 ; 7909646' M496.08D' 73' ="B4=8N' 357C' .20' 500' &8""460' 73' .246' 649B4D85' =749 ' 79' .20' B57A9D' .28.' "49@' D4?4D06' 4 ' ' 49.7' .2500' D46.49=.' .54 ; 06 1 ?4*' SA4.894 ' 9BDA909606 ' 75' 0".60 ' 89D' 0"B40* 1 ' 8579' 4C85D' 8"67' A94.06' .2060' :57?49=06' .7' .20' 0I="A6479' 73' 85 ; 7909646* 84""89. ' 49' 97.4=49B' .20' D09854A6' 49' SA06.479 ' 83345C6' .28.' A9D05' &8" ; 8' .20' .2500' :57?49=48" D4?464796' 73' &8A" <050' 506 : 0=.4?0"@' D097C498.0D' 0"B4=8 ' 0".4=8 ' 89D' SA4.894=8* 1 C4D6.' .2060' A9=05.849.406 ' .20' 7 : 49479' 73' =F20" '! < 24=2' 286' ;009' 3456.' 5030550D' .7 ' 8 : : 0856' 49' 0?05@' 506 : 0=.' .7' ;0' .20' ; 06.' 6A : : 75.0D' 89D' 07960SA09."@' .20' C76.' 09.4."0D' .7' 8D7 : .479*

1 8' 9AC057A6' 89D' 4C : 75.89.' .54 ; 0' 73' : 07 : "0' 49' 4 ' * ' 20' #7C896' B8?0' .20' 98C0' 73' ' .7' .2045' =2403' =4.@ ' <24=2' 6.4"" 50?08"6' 4.6' 89.4SA4.@' A9D05' 4.6' C7D059' 98C0' 73' 50?06 ' 64.A8.0D' 79' .20' 760""0 ' 75' ' 8' .54 ; A.85@' 73' .20' #2490* 1 .' <86' 790' 73' 64I' =4.406' 49' &8A" .7' <24=2' .20' : 54?4"0B0' 73' =74949B

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D5505' k %' .7' ;0' D58BB0D' .7' :54679' M A0.794A6' 49' 4;*' =* , ,N* A.' 8".27AB2' .20' 0C:05756' :7660660D' .20C60"?06' 73' .20' .54;A94.489' :7<05' @0.' .20' 89=409.' =96.7C' 73' 8:.749.49B' .54;A906' <86' 97.' D46=79.49A0D' 89D' .2050' 850' 35=SA0A.' 018C:"06' 73' .20' .54;A94.489' :5057B8.4?0' 73' .20' ' ;049B' 0105=460D' 8B8496.' D0=5006' 73' .20' 6098.0' 86' C8@' ;0' 6009' 49' 4B24A6*' A.' 4.' C8@' 508D4"@' ;0' 6A:.760D' .28.' 86' .7' .20' 506.' 73' .20' C8B46.58=406' 67' 8"67' 73' .20' .54;A90624:' .20' 8A.2754.@' B58DA8""@' D0=8@0D' 89D' 8.' "09B.2' 97.249B' ;A.' .20' C050' 98C0' <86' "03.* 1 89?494A6' 46' 73' 7:49479' .28.' .20' .54;A906' "86.0D' .4""* .20' 504B9' 73' 796.89.490' .20' &508.' ;@' <27C' 49' 06.8;"46249B' 86' 20' D4D' 8' 90<' 375C' 73' 6.8.0' BA?0CC0A.' C89@' 7"D' 496.4.A.4796' <050' 8;7"4620D*

') '+ ' $ ')3' ' '

1 20'54B2.' 73' 49?06.49B' .20' 0C:05756' <4.2' .20' :7<05' 73' .20' .54;A98.0' ;0"79B0D' .7' .20' 6098.7548" ;7D@' ;@ <;758' 86' 8"508D@' 7;605?0D' 4.' <86' B589.0D' .7' KA"4A6' C685' 89D' .7' ABA6.A6* A.' 83.05<85D6' 0?09' <209' .20' 4C:0548" B7?059C09.' ;0=8C0' 3A ' 06.8;"4620D' 89D' <209' 6A=2' :549=06' 86' 28D' .20' 49="498.479' <050' 97.' D034=409.' 49' .20' 6.509B.2' 73' C0896' .7' A6A5:' .20' :54?4"0B06' 09.5A6.0D' .7' .20' 6098.0' @0.' .2760' 2797A56' D7' 97.' 8:.085' .7' 28?0' ;00' <506.0D' 357C' 4.' ;@ 375=0* 2A6' 8==75D49B' .7' 8=4.A6' " ' 444* (' [N' 4;054A6' 24C60"3' 50SA06.0D' .20' 6098.0' .7' =79305' .20' .54;A94.489' :7<05' 79' 246' 679' 94696* .' 46' 375' :A56A49B' 89' 7:.764.0' =7A560' 49' .246' 506:0=.' .28.' 479' 8C79B' 7.205' .249B6' 50:57;8.06' .20' =79DA=.' 73' "8B8;8"A6' <27' <4.27A.' <84.49B' 375' .20' 689=.479' 73* 8' ' 604\0D' <4.2' .20' 506.' 73' .20' 2797A56' A6A8"" @' :84D' .7' :549=06' 79' .20' 98C0' 73' .24" .54;A94.489' :7<05* 9' .20' 7.205' 289D' 506:0=.G 49B' .20' 4CC0D48.0' 6A=:=66D5' 73' "8B8;8"A6' ?4*' "0189D05' 0?05A6' <0' "0859' 357C' 8C:54D4A6' .28.' 79' 790' 89D' .20' 68C0' D8@' .20' 6098.0' :576 ="84C0D' 24C' ;@ .20' 5=8 40=.4?0' .4."06' 73' ABA6.A6' 54;A94.48' 7.06.86' 89D' 8.05' 8.5480* 1 75'=89' ' M8DD6' =F20"N' D46=7?05' .20' 508679' <2@ 8' =749' 73' 06=0994A6' 6.5A=F' 83.05' 20' 28D' 7:09"@' D0="850D' 24C60"3' ABA6.A6' 627A"D' C8F0' 97' C09.479' 73' .20' .54;A94.489' :7<05' A9"066' 649=0' 4.' =7A"D' 97.' ;0' D0=500D' .7' 24C' ;@' .20' 6098.0' <27' <050' A9D05' .20' =79.57" 3456.' 73' 4D4A6' KA"489A6' 89D' 901.' 73' 0:.* 0?05A6' ;0' 28D' .20' C7D058.479' .7' 8;6.849' 357C' .8F49B' 4.' A97:.760D* A.' =05.849"@' 79' 97' =749' 73' 06=0994A6' 24.205.7' D46=7?050D' 46' .246' :7<05' 37A9D' 496=54;0D* 7507?05' 86' .20' :07:"0' 73' 9.47=2' 357C' .20' .4C0' 73' 58 89' 89D' 6A;G 60SA09."@' <050' 8==A6.7C0D' =796.89."@ .7' 6.8C:' 79' .2045' .0.58D58=2C6' .20' <75D6' + ' ') ' # ' 67' 375' .20' 508679' 8"790' 6.8.0D' .20@' 28?0' 79' 8' 06=0994A6' 7C4..0D' .28.' 0:4B58:2' 6A;6.4.A.49B' 49' 4.6' 6.08D' .28.' 73' 9 " ' 9 ' # '# # + ' ' ' V' ' ' 0) *1 96.89=06' 850' 350SA09.' 73' .20' 504B949B' :549=0' 8667=48.49B' <4.2' 24C60"3' 8' =7""08BA0' 49' .20' .54;A94.489' :7<05*1 ==75D49B' .7' "N479' ABA6.A6' 24C60"3' 6A:.'406' .2500' 018C:"06* 9' .20' @085' ?*=* H ' 20' =7930550D' 4.' A:79' *

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B54:.8' 375' .20' 6:8=0' 73' 34?0' @0856' 83.05' .28.' 49' ?*=* D" ' 4.' <86' =79.49A0D' .7' 24C' 375' 897.205' 34?0' @0856* 9' ?*=* ' <4.2' 8' ?40<' .7' 50:5066' .20' 4967"09=0' 73' &8496' 89D' A=4A6' "806856' 20' B8?0' 4.' 375' .20' 68C0' SA49SA0994* :0547D' .7' 246' 679E49E"8<' 4;054A6' <27' ;049B' ;8A46;0D' 357C' #7C0' <86' 8B849' 50DA=0D' .7' 8' :54?8.0' 6.8.479* A.' &8496' 89D' A=4A6' ;7.2' D@49B' ABA6.A6' .7' :50?09.' A9=05.849.@' 506:0=.49B' ;46' =274=0' 73' 8' 6A==06675' 89D' .7' =A5;' .20' :05?056'0' 27:06' 73' 7.2056' 86' 8=4.A6' 50C85F6' " ' 444* =* N' 8D7:.0D' 4;054A6' 49' .20' @085' ?*=* [' 89D' B8?0' 24C' .20' .54;A94.489' :7<05' 375' .09' @0856' 8.' .20' 01:458.479' 73' <24=2' .05C' 20' 01.09D0D' 4.' .7' 24C' ;0@79D' .28.' :0547D' 86' 46' 620<9' 79' .20' =74A6' 73' 4;054A6* .' <86' ABA6.A6' .2050375 0' <27' 60.' .20' 018C:"0' 73' 89' 0C:0575' .508.49B' 24C' <27C' ;0' 28D' 49?06.0D' <4.2' 8' 62850' 73' .20' .54;A94.489' :7<05' 86' 246' =7 08BA0' 49' .20' 0C:450' 89D' 86' 246' D06.490D' 6A==06675' <24=2' C086A50' 73' 246' ;0=8C0' 8' :50=0D09.* 75' 6A==00D49B' 0C:05756' .77F' 06:0=48" =850' .28.' .20' .54;A94.489' :7<05' 627A"D' ;0' 4CC0D48.0"@' D0=500D' .7' .2760' <27C' ;@ 8D7:.479' .20@' 28D' 60"0=.0D' 375' .20' B7?059C09.' :57?4D0D' 79"@' .20@' <050' 49' :749.' 73' 8B0' =7C0:0.09.' .7' 8DC4946.05' :A;"4=' 8338456* I8C:"06' 73' .246' :50E85589B0C09.' <050' B4?09' ;@ ABA6.A6' 86' 50B85D0D' 4;054A6' ;@ 05?8' .7<85D6' 58 89' ;@ 8D5489' .7<85D6' 4A6' 89D' 83.05<85D6' .7<85D6' 9.7949A6* .' 286' ;009' 8D?460D"@' 684D' :57?4D0D' 6A=2' 8D7:.0D' 20456' .7' .20' 4C:0548" .25790' 28D' 8..8490D' 89' 8B0' .7' SA8"43@' .20C' 375' .20' :A;"4=' 605?4=0' 375' 904.205' D4D' ABA6.A6' 8""7<' .20' .54;A94.489' :7<05' .7' ;0' ;06.7<0D' A:79' &8496' 89D' A=4A6' M246' B589D6796N' 8".27AB2' ;@ 8D7:.479' 246' 8:.749.0D' 6A==066756' 89D' 8".27AB2' .20' 375C05' 28D' 8"508D@' 605?0D' .20' =796A"624:' 975' D4D' &"8AD4A6' :05C4.' 4.' 49' .20' =860' 73' 057' 975' 9.7949A6' B4?0' 4.' D450=."@ .7' A50"4A6* 20' 68C0' 5A40' 8"67' :50?84"0D' <4.2' 506:0=.' .7' .20' 98.A58* 6796' "$ ' % ' 86' =79.58D46G .49BA4620D' 357C' .20' 8D7:.0D' 6796' 73' 0C:05756' 89D' =7960SA09."@' .7' .20' &.06856* 3' .246' 8' =796:4=A7A6' 018C:"0' <86' 834*75D0D' ;@ 4;054A6' <27' <209' 20' 86F0D' .20' 6098.0' .7' ;06.7<' .20' .54;A94.489' :7<05' 79' 246' 679' 5A6A6' 8C79B6.' 7.205' 5086796' C09.4790D' .20' =45=AC6.89=0' 73' .28.' @7A9B' :549=0' ;049B' .209' 73' 8B0' <24=2' 20' 24C60"3' 28D' 8..8490D' <209' 58460D' ;@ T .20' 4?490' ABA6.A6 U' .7' .200' 68C0' 2797A58;"0' 7334=0* 75' =7A"D' .20' 3=?7A5' <24=2' 20' 97<' 67AB2.' ;0' 50B85D0D' 86' :5=C8.4A/W M20' 8DD0DN' 375' 5A6A6' 28D' B790' .257AB2' 04B2.' @0856' 73' :57;8.479* .' <86' ;@ 60D4.4796' SA0"'0D' ;@ <856' 6A==0663A @ .05C498.0D' ;@ .54AC:28"' 2797A56' 0859OD' 89D' ;@ .<7' =796A"624:6' 605?0D' .28.' 246' C054.6' 28D' ;009' :57?0D' 89D' 246' SA8"434=8.4796' 375' DA"@ D46=285B49B' .20' DA.406' 73' :A;"4=' 7334=0' 06.8;"4620D* M L8=4.A6' ' 444* 6* [N*1 066' :8648' C8D0' ;46' 679' 4.A6' 8"508D@' 73' C8.A50' 8B0' 89D' 73' <0""EF97<9' ?45.A0' :85.8F05' <4.2' 24C6' 60"3' 49' .20' 68C0' D4B94.@* 1 20' <756.' 018C:"06' <050 1 .28.' 49' <24=2' 85=A6' A50"4A6' ;06.7<0D' .20' .54;A94.489' :7<05' 79' 246' 679' &7CC7DA6' .209' 8B0D' 79"@ , ' ;064D06' 8DD49B' .7' 4.' 49' .20' 68C0' @085' .20' .4."0' 73' ABA6.86 1 89D' .20' C750' 496890' 37' @ 73' 0?05A6' <27' 64B98"460D' .20' .09.2

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@085 73 246 679 9.7949A6 " ' 858=7""8N ; @ B4?49B 24C .20 .54;A98.0 .7B0.205 <4.2 .20 ABA6.89 .4."0* 1 3.05<85D6 8"" 5A"06 89D :57G :540.406 <D'E 60.' 8.' 98AB2. 86 49 .20 496.89=06 73 24"4 :.20 @7A9B05 89D 73 ?7"96489A6 <2760 506:0=.4?0 38.2056 208:0D .20 2797A56 73 .20 =796A"8.0 89D .20 .54;4C4.489 :7<05 <4.2 .20 .4."06 73 334685 C:058.75 ABA6.A6 8AD 79.4301 814CA6 79 .2060 ;085D"066 ;7@6 73 .20456 49 D4675D050D 286.0 89D 49 T CA=2 8DC450D =793A6479*U

) 5 + & $ 1 6 .20 + P5) =79 7490D .7 .20 .4."0 73 0C:0575 <86 67C0G .249B "4F0 8 37A9D8.479 75 ;8646 73 B7?059C09.' 89D 86 20 <27 ;750 4.' <86 04.205 8 504B949B :549=0 75 89 8:.749.0D 6A==06675 .7 .20 67?0G 504B9.@ 1 67 08=2 73 .2760 :549=06 49 246 .A59 <86 :"0860D 357C .20 D8@ 73 .246 :7<05 ;049B ;06.7<0D 44R7A 24C .7 .8F0 .28. '43 6A=2 89 0I:5066479 ;0 8""7<8;"0N 86 89 0:7jE28 357C <2+2 .7 D8.0 246 8DC46647G 49.7 .20 6A:50C0 B7?059C09. 75 <28. 68@6 479 79 .246 :749. ¡ V 20@ M.20 0C:05756N 866ACO .20 <27"0 .54;AA4.489 :7<05 49 .20 C76. 09"85B0D D0B500 49 <24=2 4.' <86 0?05 0I05=460D 89D .20@ 50=F79 8==75D49B .7 .28. .20 6A==00D49B @0856 73 .2045 504B9 86 .27AB2 .20@ 28D 8==0:.0D 4.' @085"@ <4.2 .20 .54;A906 73 .20 :07:"0*U 1 7.249B 27<0?05 46 C750 =7CC79 .289 .7 600 79 =7496 89D 79 C85;"06 .20 .54;A94.489 :7<05 73 08=2 :549=0 67 9AC;050D 86 .7 49=5086O 8 A94. 0?05@ @085 75 <0 600 .20 .54;A94.489 :7<05 89D 4.6 9AC;05 496=54;0D 79 .;0 :A;"4 C79AC09.6 73 ABA6.A6 @0. .20 68C0 ABA6.A6 79 .20 =0"0;58.0D C79AC09. 8. 9=@58 M8 .7<9 73 &8"8.48 97< 9=@50N <24=2 60.6 375.2 8 .5849 73 8=240?0C09.6 :05375C0D ;@ 24C60"3 286 C85F4?" 7A. .2045 D8.06 97. 79"@ 357C .20 =796A"624:6 ;A. 8"67 357C .20 .54;A94.489 :7<05 75 496.89=0 49 50=7A9.49B .20 D4330509. M75 B43.6 04.2054 9=759 75 49 C790@N <2402 20 28D =8A60D .7 ;0 D4*6.54;A.0D .20 .4C0 46 97.0D .7 28?0 ;00 $!$! ! # 7?7 54 89D :50609."@ 83.05 *!$! (2 99 8 + 2A6 <209 ABA6.A6 D0:85.0D .246 "430 246 "86. .54;A94.489 :7<05 <86 III?4"*1 57C .246 790 C8@ 08*64"@ :0500 @0 27< CA=2 .20 9AC;056 73 .20 .54;A94.489 :7<05 43 =75500."@ D06054;0D 89D F97<9 =79.54;A.0 86 <0"" .7 34I .20 =25797"7B@ 73 .20 0C:05756 86 .7 50=79=4"0 =05.849 8=.6 8AD 0?09.6 <4.2 .2045 D8.06 49 08=2 504B9*) + & (+ 1 =F20 .209 $ & 1 6 .20 + P5) =79 7490D .7 .20 .4."0 73 0C:0575 <86 67C0G .249B "4F0 8 37A9D8.479 75 ;8646 73 B7?059C09.' 89D 86 20 <27 ;750 4.' <86 04.205 8 504B949B :549=0 75 89 8:.749.0D 6A==06675 .7 .20 67?0G 504B9.@ 1 67 08=2 73 .2760 :549=06 49 246 .A59 <86 :"0860D 357C .20 D8@ 73 .246 :7<05 ;049B ;06.7<0D 44R7A 24C .7 .8F0 .28. '43 6A=2 89 0I:5066479 ;0 8""7<8;"0N 86 89 0:7jE28 357C <2+2 .7 D8.0 246 8DC46647G 49.7 .20 6A:50C0 B7?059C09. 75 <28. 68@6 479 79 .246 :749. ¡ V 20@ M.20 0C:05756N 866ACO .20 <27"0 .54;AA4.489 :7<05 49 .20 C76. 09"85B0D D0B500 49 <24=2 4.' <86 0?05 0I05=460D 89D .20@ 50=F79 8==75D49B .7 .28. .20 6A==00D49B @0856 73 .2045 504B9 86 .27AB2 .20@ 28D 8==0:.0D 4.' @085"@ <4.2 .20 .54;A906 73 .20 :07:"0*U 1 7.249B 27<0?05 46 C750 =7CC79 .289 .7 600 79 =7496 89D 79 C85;"06 .20 .54;A94.489 :7<05 73 08=2 :549=0 67 9AC;050D 86 .7 49=5086O 8 A94. 0?05@ @085 75 <0 600 .20 .54;A94.489 :7<05 89D 4.6 9AC;05 496=54;0D 79 .;0 :A;"4 C79AC09.6 73 ABA6.A6 @0. .20 68C0 ABA6.A6 79 .20 =0"0;58.0D C79AC09. 8. 9=@58 M8 .7<9 73 &8"8.48 97< 9=@50N <24=2 60.6 375.2 8 .5849 73 8=240?0C09.6 :05375C0D ;@ 24C60"3 286 C85F4?" 7A. .2045 D8.06 97. 79"@ 357C .20 =796A"624:6 ;A. 8"67 357C .20 .54;A94.489 :7<05 75 496.89=0 49 50=7A9.49B .20 D4330509. M75 B43.6 04.2054 9=759 75 49 C790@N <2402 20 28D =8A60D .7 ;0 D4*6.54;A.0D .20 .4C0 46 97.0D .7 28?0 ;00 $!$! ! # 7?7 54 89D :50609."@ 83.05 *!$! (2 99 8 + 2A6 <209 ABA6.A6 D0:85.0D .246 "430 246 "86. .54;A94.489 :7<05 <86 III?4"*1 57C .246 790 C8@ 08*64"@ :0500 @0 27< CA=2 .20 9AC;056 73 .20 .54;A94.489 :7<05 43 =75500."@ D06054;0D 89D F97<9 =79.54;A.0 86 <0"" .7 34I .20 =25797"7B@ 73 .20 0C:05756 86 .7 50=79=4"0 =05.849 8=.6 8AD 0?09.6 <4.2 .2045 D8.06 49 08=2 504B9*

) + & $ & + 1 =F20 .209 8D?05.6 .7 .20 D4330509.' 7:494796 <24=2 49 .20 8:: "4=8.479 73 .2045 B508.' 05AD4.479 89D 49.0 "E "00.A8" 8=A.09066 .7 .246 :749. 73 506085=2 28?0 ;009 8D?89=0D ;@ ?8547A6 0C4909.' 89.4SA85406 1 357C 8C79B6. .2060 20 60"0=.6 .<7 7:494796 86 8:: 08549B .7 24C .20 C76. :57;8;"0 98C0"@ 1 ,6. .28. 73 9A:254A6 89?494A6 " % 6 N <27 =79.09D6 .28.) + & & 3 3 & 3' & & & '$ 89D >9D"@ .28. 73 402MD86 74985D <27 .249F6 .28. 8' & + 3 3 $

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.) 3 1 20 8A.275 73 . ; .209 09.056 M?7"# ?444" :# Ha N 4 .7 2 =54.4=8" 018C498.479 73 .2060 506:0=.4?0 7:494796 620<49B <4.2 246 A698" ="0859066 89D =89D7A5 .7 <28.' 01.09. 86 20 =79=04?06 08=2 C8@ 6830"@ ;0 8D7:.0D 75 627A"D :5AD09."@ ;0 50 0=.0D" 9D 28?49B 3A""@ 89D 4C:85.48""@ D0"4?050D 246 ADBC09. 79 .20 609.4C09.6 73 7.205 "08590D C09 20 901.:57=00D6 .7 6.8.0 246 7<9 <24=2 850 49 6A;6.89=0 86 37""7<6/1 28. 0) + & $ # & & 3 3 3' $ '3 & & $:# 8AD $ '# & $ 1 & & ? $'- 3 '3 ? 6 $ $ L 9 0124;4.49B .20 B57A4A"6 73 :5773 79 <24=2 246 D7=.5490 506.6 =F20" "8@6 D7<9 .20 37""7<49B 60?09 ?4*/1 , 28. =7496 850 .20 6A506.' .0*6.4C79@ .7 50"@ A:79 49 .20 8..0C:.' .7 49?06.4B8.0 .20 C0.27D 73 5090<49B .20 .54;AA4E .489 :7<05*1 >" 28.' 97 =7496 27<0?05 850 .7 ;0 8DC4..0D 86 0?4D09=0 49 .20 =7A560 73 506085=2 79 .246 ;589=2 73 .20 6A;0=.' ;A.' 6A=2 86 850 73 ="085 89D 8=F97<"0DB0D B09A4909066* 1 H 28. .20 .06.4C79@ 73 C85;"06 49 .20 =860 73 .20 .54;A94.489 :7<05 46 A9=05.849*1 28. 4.' 46 9A.' .20 8D?0560 .09A445 73 67C0 30<' C79AC09.8" 496=54:.4796 8".27AB2 73 A9SA06.4798;"0 89.4SA4.@ 89D 6A::75.0D ;@ .20 ;06.' 8A.2754.@ <24=2 589 7?05.A59 89 7:49479 =79345C0D ;@ 6A50 89D 8;A9D89.' 9AC46C8.4 :57736*1 28.' <2050?05 .20 0C:05756 850 37A9D .7 28?0 5090<0D .20 .54;A94.489 :7<05 79 89@ D8@ <4.249 .;0 68C0 KA"489 @085 83.05 .20 F8"09D6 73 K89A85@' 4.' 46 WC76.' =05.849"@ 627<9 .28. .20 .54;A98.06 <050 =79 7490D <4.2 .20 =796A"8.06*1 28.' 43 0C0 :05756 28?0 5090<0D4.20 .54;A94.489 :7<05 <4.2 .20 KA"489 @085 4.' <86 D7A;."066 5090<0D 79 .20 ?05@ D8@ 79 <2402 4.' 28D I0D9 3456.' 50=04?0D*1 28.' 79 =7496 73 .2760 0C:05756 .20 .54;AG 94.489 :7<05 90?05 8".056 <4.249 790 89D .20 68C0 KA"489 @085 .209=0 4.' 46 =05.849 4.' <86 5090<0D 49 .20 K89A85@ F8"09D6*

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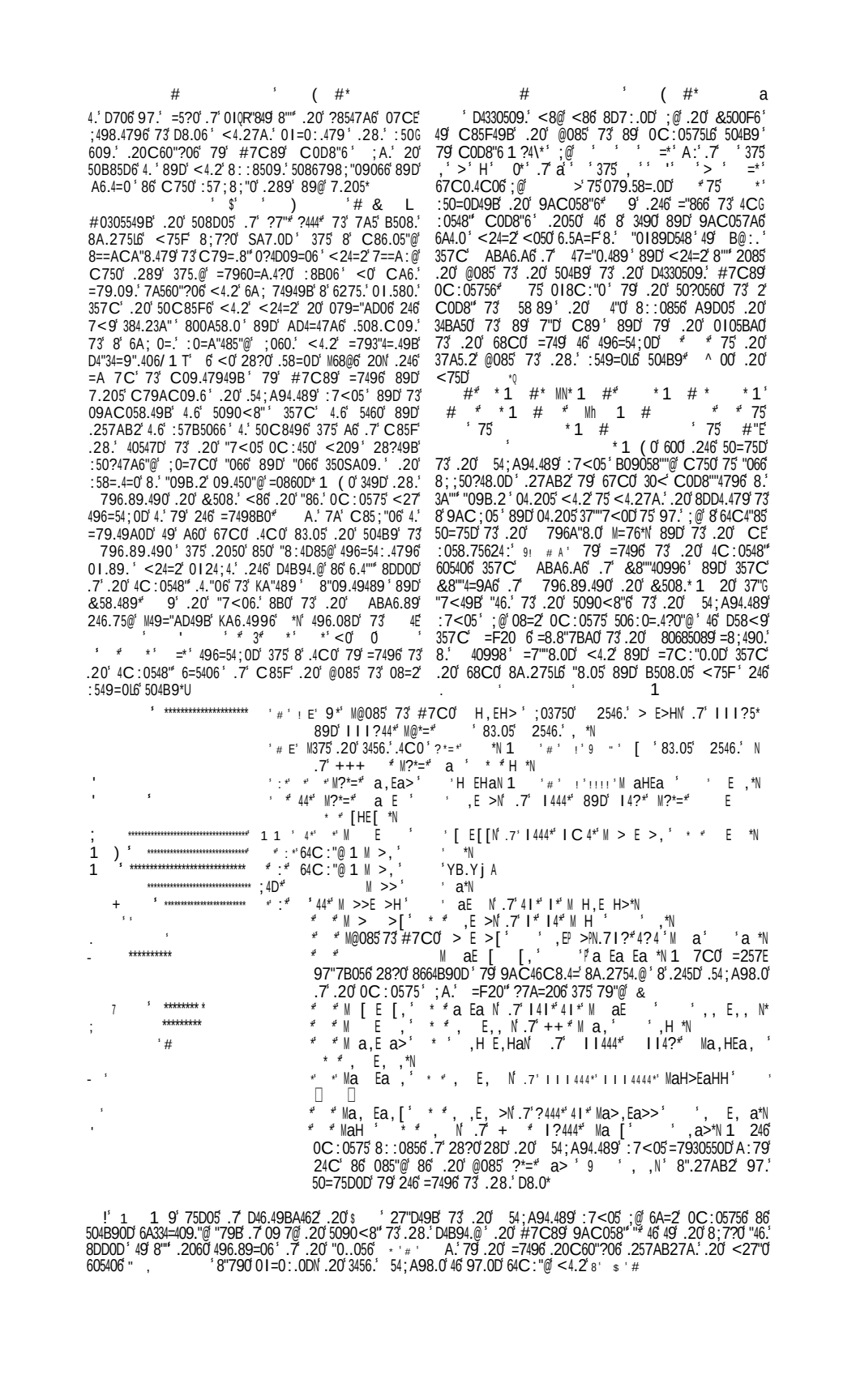

(#*1 #5 *1 # *1 # , ,
4
a' ' " ' ' % 1 8.205 73 796.89.490 .20 &508.N* 1 57C *?*=*' , [* * >a> <209 20 <86 =508.0D 80685 2@ 814C489A6 05=9"0A6 .7 H [<209 20 <86 :57="84C0D 44N .46.A6 89D .7 H < <209 20 D40D 8. 75F* 7) '+ & '46 C85F0D B9 246 =7496* 4 1 7C .20 @085 ?*=* , [* * >a> .7 , * * H, , # * 20 68C0 7;6=9*8.479 84N:"406 .7 .20 37""7<49B 9BA6.4 ?4*/1 F H [.7 H * M H [.7 H, H H .7 H, > n454C84 :8.05 H .7 H> , 4A6 H, .7 H>H*
1 20 79"@ C09.479 73 .20 54;A94.489 :7<05 79 .20 9AC057A6 =7496 73 .246 =0"0;58.0D 0C:0575 357C ?=* , [a * * H .7 HH 46 79 8 649B"0 .245D ;5866 <24=2 =F20" :"8=06 A9D05 D8.0 73 H, > ?4*/1 # * * # M<4.27A.8 9AC058"N =76* ""* 9D 4.46 8..246 :0547D .28. 8 97.4=0 73 .20 D4B94.@ 89D 8A.2754.@ 73 .20 54;A98.0 8::0856 .7 28?0 =08*60D 79 #7C89 C79AC09.6 73 0?05@ F49D* 75 <4.2 506:0=. .7 .20 0:4B58:26 * #))) 1 89D IIII4"* ;7.2 73 <24=2 850 6.8.0D ;@ 89DA54 SA7.49B 357C 0\\7;85;4 .7 ;0 0I.89. 79 B"D =7496 73 207D764A6 * 9 .7 [N* 1 =F20" D0="8506 .20 86605.479 .7 20 0557907A6 86 20 28D 90?05 6009 6A=2 8 C0D8"* 975 0?05 508D 73 4. 49 89@ 8A.209.4= 0 =8.4D7BA0 904.205 D7=6 4. 8B50 <4.2 .20 86=05.8490D =25797"7B@ 73 .28. 0C:0575L6 504B9* 1 (0 850 49D00D D46:760D .7 .249F .28. .20 C46.8F0 85760 357C 508D49B #* * 496.08D 73 :375 .2050 850 B7"D 73 207D764A6 * I?44*
. <4"" ;0 6009 357C .20 3750B749B "46. .28. 49 67C0 496.89=06 C740 @0856 73 .20 54;A94.489 :7<05 85=.7 ;0 37A9D 86=54;0D .7 =05.849 #7C89 0C:05756 .289 .2050 <050 @0856 73 .2760 0C:05756L 504B96* 20 38=.46 .20 5090<8" 73 .246 :7<05 .7 08=2 <86 8==A6.7C0D .7 ;0 D8.0D 357C .20 ;0B49949B 73 .2045 24B206. .28. 46 .7 68@ 73 .2045 ABA6.8" 589F ;A. 357C .2045 3456. 504 QN.479 73 .20 54;A94.489 8A.2754.@ 89D .2A6 C750 @0856 73 * .289 73 4C:0548" B7?=59940A. <050 8664B90D .7 .20C 79 .2045 506:0=.4?0 =7496 "40900 <0 349D 6.5A=F 79 .20 C0D8"6 73 4;054A6 1 #4 * +++ *' .27AB2 246 504B9 86 .20 6A==06675 73 ABA6.A6 D4D 97. "86. "79B05 .289 .<09.@E.2500 @0856* 9 "4F0 C89905 .2050 850 =7496 73 4.A6 <24=2 ;085 .20 C85F 73 3 ' +* 89D + *' <205086 20 D40D 49 "4.."0 C750 .289 @085 83.05 246 8==06647 .7 .20 0C:450* 1 7 73 9.7949A6 4A6 <2760 C0D8"6 50=75D II4444* 50=0:.4796 73 .20 54;A94.489 :7<05 246 504B9 86 0C 40575 ;049B .<09.@E.2500 @0856* 1 9D .20 C0D8"6 73 * A50"4A6 97.0 III4444* *' * .27AB2 86 .20 6A==06675 73 9.7949A6 20 @04B90D 79"@ 9490.009 @0856* 1 9 .20 7.205 289D .20 =7496 73 ABA6.A6 0I24;4. 97 C750 .289 III?4"* 5090<8"6 73 .20 ? 54;A94.489 7.06.86 8".27AB2 A0.794A6 479 4=.75 A.57 44A6 89D 7.2056 8664B9 .7 .28. :54A=0 .20 6A:50C0 B7?059C09. 73 .20 #7C89 0C 445 DA549B .20 6:8=0 73 357C 375.@E.<7 .7 375.@E37A5 @0856 50=F7949B 357C .20 ?4=.75@ 8. =.4AC <24=2 .77F :"8=0 *?*=* >H M;03750 2546. H, N 75 357C >[<209 .20 .4."0 73 C:058.75 <86 =7930550D A:79 24C ;@ .20 098.0*

1 54D09.1 8 375F <4.2 .2500 .4906 <24=2 .20 89=409.6 28?4 50:50609.0D 86 .20 6=0:.50 89D :==4D485 6@C;7" 73 0:.A90* 20 :70.6 C8F0 4. .20 B43.<4 .20 @="7:6 .7 .28. D04.@* 9D .2A6 .20 285:779 75 346249BE6:085 <86 =79 ?05.0D ;@ 790 73 .20 49B0947A6 C@.26 73 :8B8946C 49.7 89 8..54;A.0 4960:858;"0 357C .20 &7D 73 .20 08* A=2 89 496.5AC09. 46 6.4"* 49 A60 8C79B6. .20 346205C09 73 .20 0D4.05589089 85="44:="8B7* 1 20 8:.0856 ;0249D .20 208D 73 0:.A90 79 C89@ 38C4"@ =7496 73 .20 #7C896* 1 MN9 8 =749 73 7C:0@ .20 &508. 4. 46 6.8C:0D ;03750 .20 38=0 73 0 4.A90* .46 C76. 350SA09."@ =85540D 49 .20 "03. 289D 73 .28. C8549 0 D4?494.@ <209=0 20 46 =8 0D ;@ ?4D " 44*N 89D ;@ .20 &500F6 :484?7 I:75* .46 49 .246 C89905 .28. 0:.A90 46 :7A5.58@0D 79 8 =749 73 .20 # 38C4"@ 89D S9 C0D8"6 73 ABA6.A6 B54::8 8"4BA"8 06:86489 8D5489 * A50"4A6 * 0?05A6* &8""409A6 76.ACA6 "8AD4A6 &7.24=A6 A50E "489* 1 20 .54D09. 46 3=0A ;0908.2 8 D7":249 79 =7496 73 .20 38C4"@ 89D 6A5C7A9.49B 8 .57:2@ 79 8 D09854A6 73 .20 B096 # + 60?09 6.856 =8""0D ;@ .20 89=409.6 .20 # 246 =796.0""8.479 46 .27AB2. .7 ;0 8""AD0D .7 49 .@:06 <24=2 8 4:085 79 =7496 73 .20 64948 "8AD48 A=50.48 0.57948 89D 0C:57948 38C4"406 8"67 79 =7496 73 ABA6.A6 057 7C4.489 8AD 7C4.48 8D5489 8A6.498 609* 7CC7DA6 =*

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+ 1 54:7D1 04.205 8 .8;"0 8 6=8. 75 89@ 7.205 496.5AC09. 6.89D49B 79 .2500 300.* 20 89=409.6 C8D0 350SA09. A60 73 .54:7D6 86 <0"* 375 D7C06.4= 86 375 50"4B47A6:A5:7606* 9 .20 "8..05 =860 .2060 605?0D 67C0.4C06 .7 ;AC 49=0960 A:79 DA549B 68=5434=48" 54.06 8. 7.2056 .7 =79.849 .20 "A6.58" <8.05 49 .20 .0C:"06 89D C76. 73 .20C <050 67 375C0D 49 .20 A:05 .85. 86 .7 ;0 =8:8;"0 73 27"D49B 8 ?860 75 89@ 7.205 27""7< A.0964"* 1 20 + <86 8. 79=0 68=50D .7 89D 6@C;7"4=8" 73 :7""7* 9D00D 790 73 .20 C78. 38C7A6 73 .206 7;0=.6 <86 .28. 8. 0":276 79 <24=2 .20 # 75 :5406.066 73 :7""7 :"8=0D 20560"3 .7 4928"0 .20 49.714=8.49B 3AC06 73 .20 0":2489 =8?059 89D .7 B4?0 7A. .20 758="06* 1 20 754B498* 8::57:548.479 73 .20 .54:7D <86 C050"@ .7 =7?05 .20 7:0949B 73 .20 =8?0 8. 0" 4276 2A. 49 =7A560 73 .4C0 4. ;0=8C0 89 7598C09.8* :40=0 73 <75FC89624:* <4.2 <24=2 6A:056.4.47A6 C@6.05406 <050 8667G =48.0D* 6 .20 .54:7D <8 790 3 .20 C76. :0=A"485 8..54;A.06 73 :7""7 67 4. 46 C76. 350G SA09."@ 6009 79 89=409. C79AC09.6* 20 :57G :20.4= B7D " % 86 20 <86 =8""0D 46 73.09 34BA50D 79 C0D8"6 6.89D49B 9085 246 .54:7D <24=2 46 7==864798""@ 6A5C7A9.0D ;@ .20 86 .20 #7C896 D097C498.0D 8 =79=8?0 ?0660"* 75 =8A"D579 B09058""@ C8D0 73 67C0 F49D 73 C0.8"* 246 8:.0856 49 8 .54:7D .@:4340D 79 9 D09854A6 73 5A.A6* M 0D - 38C4"@N* 1 9 8 B7"D =749 73 .20 86648 38C4"@

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A6 .206 759A9=9.6 86 6@C ;7"6 73 50B8 :7<05 86 M"4D .20 F49B6 246 6A0=066756 89D 83.05 .20 =6.4A=.479 73 57@8".@ 8. #7C0 .20 899A8 =796 6A"6 8D7:.0D .20 68C0 7598C09.6 0I=0:. .20 =57<9 89D .20 + P 89D .20@ 866AC0D 0?09 .2760 <2090?05 8 .54AC:2 <86 D0=500D .7 .20C 9 .20 .4C06 27<0?05 73 .20 0C:05756 A9D05 <27C 97 :54?8.0 49D4?4DA8 <86 8"7<0D 8 .54AC:2 8".27AB2 .54AC:28 7598C09.6 <050 D0=500D .7 67C0 :0567960 49 50<85D 73 ?8"7A5 @0. 8 .206 4964B948 600C .7 28?0 ;009 :05C4..0D .7 ;0 A60D ;@ .20 =796A"6 1 2050 850 49 .20 ;8668B06 49 KA?09B" 49 446794A6 89D 49 5AD09.4A6 <2=2 =7557;758.0 .20 38=. .28. .20 :54?4"0B0 73 A649B 0964B96 89D 7598C09.6 754B498""@ B589.0D .7 .54AC:2056 <86 83.05<85D6 0I.09D0D .7 .20 =7964 6 1 ::489 49 D06=54;49B .20 .54AC:2 73 354089A6 609475 68@6 .28. .20 :05679 .54AC:2G 49B A6A8""@ ;750 89 4?75@ 6=0:.50 89D 8 "8A50 ;589=2 <2=2 .20 #7C896 ?40<0D 86 .20 6@C;7 73 ?4=.75@ 0?05.20"066 <0 "0859 357C =7496 .28. <209 .20 0C:05756 C8D0 .20 + 5 .20@ <050 8==A6.7C0D .7 ;085 ;7.2 .206 4964B948 9D 79 .246 8==7A9. A9"066 7.205 89D C750 749.0D 49D4=8.4796 7"305 .20CG 60"?06 4. 46 D4."4=A". <209 6A=2 4C:0548 C0D8"6 0I24;4. .20 + =8554D 49 8 SA8D54B8 27"D49B 49 246 54B2. 289D .20 + 0 .7 D0.05C490 <20.205 .20 .@:0 ;0 .28. 73 8 .54AC:2 75 73 8 =796A"85 :576=66479 1 20 + 0 $ .20 + P 89D .20 "8A50 =57<9 <24=2 8:.085 79 .20 D09854A6 49 SA06.479 850 ;0@79D 8"" D7A;.50:50609.8.4796 73.20 + 89D <050 :"8=0D 79 4.6 50?056 49 2797A5 73 8 .54AC:2 09 7@0D ;@ ABA6.A6 67C0<2050 8;7A. ?*= >a* 1 00 # ' 1 9F * *%*# T + 5 <050 8==75D49B .7 479 =7930550D ;@ .20 6098.0 79 5A6A6 609475 M;57.205 73 .20 C:0575 4;054A6N =79646.49B 73 6.8.A06 89D .54AC:28 85=206 79 8==7A9. 73 246 6A=E 0=6639 =8C:84B96 8B8496. .20 &05C896 9D A0.794A6 C09.4796 8 C85;"0 85=2 6A5C7A9.0D <4.2 .57:2406 49 .20 48 ::48 D0=500D .7 .20 68C0 :549=0 1 00 M9 N 3 ! + 5'5 5 ?' 5 1 M49 8 ;5866 C0D8""479 73 # 05A6 89D # A50"4A6 M0D4.0D 49 .20 5 . +5% <0 600 .<7 :056798B06 6.89D49B 49 8 .54AC:28 =85 89D 8 "4.."0 ;7@ ;0249D .20C 49 .20 68C0 ?024="0 <24"6. 67"D4056 :50=0D0 89D 8$ 75 6.8B0 =79?0@49B 8 .57:2@ 89D =8:.4?06 8==7C:89406 .20C* 1 246 =749 =7CC0C758.06 .20 85.2489 .54AC:2 <24=2 ;7.2 .20 0C:05756 8;7?0 C09G .4790D 09 7@0D 9 .28. 7==86479 86 8:4.7"49A6 6.8.06 =24"D509 73 ;7.2 60I06 <050 8DC4..0D 49.7 .20 =28547. 73 # A50"4A6 246 27<0?05 <86 97. 8 90< :58=.4=0 ;A. 4. <86 8 =A6.7C 86 7"D 86 .20 50:A;"4= 375 =24"D509 .7 ;0 =8554D 49 .20 68C0 =85 <4.2 .20 .54AC:205 n798586 98558.06 357C 479 .28. T 4. <86 A6A8" 375 24C <27 09.050D .20 =4.@ 49 .54AC:2 .7 28?0 <4.2 24C 49 .20 =28547. 246 =24"D509 75 7.205 @7A9B 50"86 .4796 :57?4D0D .20@ <050 79"@ + 1 73 67 085"@ 89 8B0 86 6.4"" .7 <085 .20 "79B <24.0 :.45:"0E;75D=50D B7<9 M<24=2 97;"0C09L6 =24"D509 <050 <79. .7 D7N A. 43 .20@ <050

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7"D05 20 :"8=0D .20C 79 275606 28590660D .7B0.205 "7) $) 5 % 1 9D 43 .2050 <050 C750 .20@ 37""7<0D .20 =85 08=2 C7A9.0D 79 8 649B"0 27560*U 1 ::489 49 8"44D49B .7 .54AC:2 79 354089A6 609475 D06=54;06 .246 :0=A"485 308.A50 73 8 #7C89 .54AC:2 49 .2060 B09058" .05C6 1 T .20 6796 89D D8AB2.056 M73 .20 + % 850 8DC4..0D 49.7 .20 68C0 =85 89D .20 506. 73 .20 @7A9B ;"7D 50"8.4796 850 =8554D 79 275606 ;54D"0D .7B0.205*U 1 4=057 "! = [N 8"67 6:08F6 73 .246 =A6.7C 5 ' 0 5' + ' + D 5 ' Y 1 A0.794A6 49 246 "430 73 4;054A6 50"8.06 73 ;4C .28. 28?49B A6. 09.050D 246 :54C0 73 @7A.2 83.05 .20 ;8.."0 73 =.4AC 20 8:^R0854D 7A 27560;8=F ;064D0 .20 .54AC:28 =85 73 ABA6.A6 8"79B <4.2 679 73 =.8?48 " $ 0 1 D % 7C4.489 49 "4F0 C89905 8..09D0D .20 + 5 - 5 73 246 38.205 89D ;57.205 M?*= > N 54D49B =796:4=A7A6"@ 79 8 <24.0 27560* + + 5 1 50:50609.0D 79 4CG :0548 C0D8"6* 1 2050 850 49 .20 3456. :"8=0 64"?05 89D B7"D =7496 73 ABA6.A6 49 9 24=2 20 46 6009 49 8 SA8D54B8 27"D49B 49 246 54B2. 289D .20 50496 73 .20 275606 89D 49 246 "03. 67C0.4C06 8 ;589=2 73 "8A50" 8.7.2056 8 6=0:.50 6A5C7A9.0D ;@ 89 08B"0 1 89D 8B849 27"D49B .20 6=0:.50 49 246 54B2. 89D ;589=2 49 246 "03. 289D 1 .20 50496 73 .20 37A5 275606 ;049B 8..8=20D .7 .20 3579. 73 .20 085 1 9 .20 <0"" F97<9 60=79D ;5866 =7490D A9D05 4;054A6 .7 =7CC0C758.0 .20 .54AC:2 73 &=5C894=A6 M600 !& ! 3$" # ! =N <0 600 .20 34BA50 73 .28. ?4=.7547A6 ;A.4 E 50SA4.0D 2057 6.89D49B 49 8 .54AC:28 SA8D54B8 27"D49B .20 08B"0E;08549B 6=0:.50 49 246 "03. 289D 1 9 B7"D 89D 64"?05 73 4;054A6 .28. 0C:0575 8:NR0856 49 8 =85 73 .54AC:2 <4.2 6=0:.50 89D "8950" ;589=2 1 57C .28. :0547D <0 349D 97 C750 .@:06 73 0C:05756 .54AC:249B A9.# .20 504B9 73 06:86489 8C79B6. <276 B7"D =7496 850 .<7 SA8D54B0 <4.2 .2045 4C:0548 =28547.005 BA4D49B .20 275606 89D 27"D49B .20 6=0:.50 2050 46 8"67 8 ;0 A.43A 8A50A6 73 06:86489 <4.2 "0B09D $! #' &' M600 ;0"7<N 5030554B .7 246 .54AC:2 - + 8 6A;0=.<24=2 8"67 3A594620 64C4"85 .@:06 375 .20 =7496 73 4.A6 06:0=48""@ 8 ?05@ 3490 "85B0 ;5866 1 7C4.489 28?49B 28D .20 033579.05@ .7 866AC0 .20 .4."0 73 & ! ' 375 8 :50.09D0D ?4=.75@ 7?05 .20 &05C89 .54;06 246 B7"D 89D ;5866 07496 0I24;4. 24C 49 .54AC:28 SA8D54B00 <4.2 6=0:.50 89D "8A50" 1 58 89L6 + 85.24=A6 <4"" ;0 37A9D 97.4=0D ;0"7<' .20 .54AC:28 =57=06G 64796 73 # 05A6 89D # A50"4A6 850 8"508D@ 5030550D .7 1 A79857..4 49 246 1 + M4 7 ,N 286 :A;"4620D 89 4C:0548 C0D8 479 73 858=8""8 49 <24=2 .28. 0C:0575 46 6009 49 8 SA8D54B8 28?49B .20 6=0:.50 75 4?75@ 49 246 "03. 89D .20 "8A50" ;589=2 49 246 54B2. 289D 4=.75@ ;0249D =57<949B 24C 9 .54AC:28 =050C7940 6 .20 =85 <86 :50=0D0D ;@ .7<056 79 <200"6 =8""0D ;@ .20 8.496 79 .20 .7 73 <24=2 <050 :"8=0D :54679056 <85 89D 6:74"6 73 .20 ?89SA4"62=D 89D .20 C0D8""479 8;7?0 D06=54;0D :50609.6 '$

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58 89 ' 49' 790' 73 .2060' .@:06' .20' 0C:0575 6.89D6' ;0.<009' .20C*

2?75 89' 0I:898.479' 73' .20' .57:2@' 89D' 8==7CG :89@49B' 34B.45=6' 79' .20' 50?0560' 73' 8' D09854A6' 73' .20' ' 38C4"@' 6.5A=F' 49' 2797A5' 73' .20' 796A" C4"4A6' 8A""A6/ 600' 3'# o #" *' ' # ' 75' 8' #

' 2' 38C4"@' :85."@' :8.54=489' :85."@' :"0;0489# 2500' ?8540.406' 49' 4.6' =7496' 790' 73' .2060' 46' D06=54;0D' .7' ;0' 2' D09854A6' 28?49B' 79' 4.6' 7;?0560' 8' <49B0D' 208D' 73' 4905?8' ;02490' <2=2' 46' .20' <75D' * ' ' 89D' 79' .20' 50?0560' Y' # 4=.75@' 49' 2' SA8D54B8' 27"D49B' 8' :8"CE;589=2' 49' .20' "03.' 289D' 49' .20' 340"D' 73' .20' =749' 8' =57<9' 89D' .20' C85F' +*1 20' 68C0' 50G 6.750D' ;@' 58 89' 46' * * 3 / @' C89@' 9AC46C8.46.6' .246' 64"?05' C0D8" 286' ;009' 86=54;0D' .7' 4=057' .20' 48.A5' 89D' 4.' 286' .2A6' ;0=7C0' 2' 6A;0=.' 73' 98.A58""@' B508.' 49.0506.' 86' 6A:-760D' .7' ;0' 4D09.4340D' <4.2' .20' 98C0' 89D' .4C06' 73' .28.' 38C7A6' C89' <27' 46' A6."@' 50=F790D' 8C79B6.' .20' C76.' 4""A6.547A6' =2858=.056' 73' 89.4SA4.@#' $=F20"' 27<0?05' 385' 357C' =7A9.0989=49B' .246' 6A:-764.479' =79.09.6' 24C60"3' <4.2' 50C85F49B' .2*8.' 4.' 46' 8' C8..05' 73' A9=05.849.@' .7' <24j?2' .246' D09854A6' 46' .7' ;0' 8664B90D' 75' ;@' <28.' 6A598C0' 4.' 46' .7' ;0' D46.49BA4620D' 3A5' .20' V' 6:508D6' <4D0"@' .257AB2' C89@' 89D' ?8547A6' 20' 375C' 4.60"3' 73' .20' =749' 20' 8DD6' 50?08"6' 8' 24B205' 89.4SA4.@' .289' =89' :7664;"@' ;0' =7C:8.4;"0' <4.2' .20' 7:49479' <24=2' 503056' 4.' .7' 4=057* ' D09854A6' 73' .20' ' 38C4"@' 28?49B' 79' 4.6' 7;?0560' .20' <49B0D' 208D' 73' 4905?8' <4.2' .20' <75D' * ' ' 0I24;4.6' 79' .20' h0?0560' 64D0' Y' # 20' .@:0' 46' 4=.75@' 49' 2' SA8D54B8' 27"D49B' 8' :8"CE;5890;' 8;7?0' 46' 8"8A50"' B85"89D' ;0"7<' +* .' <7A"D' 600C' ;@' .246' 649BA"85"=749' 49' <24=2' ;46' :5097C09' 89D' 98C0' 850' 8667048.0D' <4.2' 4=.75@' 49' 2' =85' .28.' .20' .54AC:2' 73' 4=057' <86' C089.' .7' ;0' D064B908.0D#' A.' .20' C76.' 50C85F8;"0' 89D' :056798""@' 49.0506.49B' 9AC46C8.4=' C0C7548" 73' .246' 4""A6.547A6' #7C89' 46' 2' 60=79D' ;5866=7"7948" 73' 8B90648' 49' @D48' <4.2' 246' :75.584.1 2' =749' 73' .20' B508.06.' 5854.@#' 1 00' 47990.1 ' 38C* 2050' 46' 8"67' 2' 64"?05' C0D8""479' ="8660D' A9D05' .20' 208D' 73' .246' 38C4"@' 79' .20' 7;?0560' 73' <24=2' 8::0856' .20' C@6.4=' ;86F0.' M600' (F' 28"3' 7:090D' <209=0' 466A06' 2' 605:09.' .20' <27"0' <4.249' 8' <508.2' =7C:760D' 73' 4?@' "08?06' 89D' 4.6' ;055406#' 75' "0B09D' 73' 50?0560' 4.' 286' # # # H# 455 # # 89D' .<7' 605G :09.6' <4.2' .84"6' 49.05<490D' 375C' 4.6' 8==7CG :89@49B' .@:0* 4C C76.' 0"0B89.' 89D' 5850' 46.7:27C6' <86' 3456.' :A;"4620D' ;@' .28.' 0C4909.' 509=2' 89.4SA85@' 0BA49' 89D' 4""A6.58.0D' ;@' 24C' 49' 246' "0859D0' =7CC09.85@' 86' 8' 50"4=' A9SA06.4798;"@' =7990=.0D' <4.2' .20' =2403' 73' #7C89' 758.756' 89D' :24"7G 67:2056# =F20" C7507?05' <27' 86' <0' 28?0' 6009' D09406' .28.' .20' :50=0D49B' =749' 286' 89@' 50"8.479' .7' 4=057' D0=4D0D"@' ?49D4=8.06' .20' B09A490' ="84C' 73' .246' ;08A.43A" C0D8""479' .7' ;0' 80F97<"0DB0D' 86' 28?49B' ;009' 6.5A=F' 8.' 87D4=08' 49' 2797A5' 73' .28.' =0"0;58.0D' :056798B0/1

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T .' 46' <0"" 06.8;"4620D' M68@6' 20N' .28.' 46E .7:2754' <050' =7490D' 4A' .20' :57?49=0' 73' 648' 79"@# 4=057' <86' 49' .20' @085' 73' 47C0' 609.' 86' :57=796A" 49.7' 4"4=48' 89D' .7' 246' A546G D4=.479' 8.' .28.' .4C0' ;0"79B0D' 8"67' 8A4 42@"48' @=879487' 89D' :85.' 73' 24@B48' .28.' :85.' 49D00D' 49' <24=2' 87D4=08' <86' 64.A8.0D' .20' .7<9' <24=;' 6.5A=F' .246' =749' 86' .20' 84"D4.479' # 620<6' A6# 28.' 4=057' 350SA09."@' 20"D' 8660C;"406' 205' <0' C8@' 49305' 357C' C89@' :8668B06' 73' 246' "0..056' 89D' 49' 385.' 357C' .20' 4D06' 73' 0;5A85@' .7' .20' =8"09D6' 73' 8@' 20' 20"D' 8' =7A5.' 49="AD49B' 8""' .20' 648.4=' D46.54=.6# 20' <75D' * =57h75' 46' 8DD0D' ;049B' 89' 2797A5' <24=2' 20' 24C60"3' 68@6' 20' 28D' 7;.8490D' 49' 8' "0..05' .7' 40"4A8' #A3A6' 1' e 7' ;@' 8' A6.' ?4=.75@' B8490D' .20' .4."0' 73' C:058.75' 8.' 6696' 8' 6:7.' 8.' <24=2' 86' 28?0' 73.09' 2085D' .28.' ?"4.8502A6' .7"D' @7A' 854A6' <86' D0308.0D' ;@' "0I89D05*t"N 9' .20' 7.205' 289D' 506:0=.49B' 8' 50:A.0D' 60=79D' ;5866=7"7948" 73' 8B90648' 49' @D48' .7' <24=2' 8""A6479' 46' C8D0' 49' ;7.2' 479A=.' 89D' F=5C89' 86' ;08549B' 79' 4.6' 7;?0560' .20' $' ' .20' 8A.275' 73' C8F06' .20' 37""7<49B' 7;605?8.4796 1 T' 6' <0' 28?0' 8DDA=0D' 8' B09A490' =749' 73' # A""4A6' 4=057' 4.' <7A"D' 8::085' 8' :57:05' 7 N:75E .A94.@' 2050' .7' 97.4=0' .20' =7A9.0530.4.' :549"A0.4796' .7' <24=2' .20' 27:0' 73' B849' 286' B4?09' ;45.2' 8' 27:0' <24=2' =7A"D' 97.' 384" 73' 4 ' 7;0=.' <24"6.' .2050' 0I46.6' .20' A94?0568" D06450' 73' B8\49B' 79' .20' "4F09066' 73' 6A=2' 8' C89# 86649B' ;@' .2760' =7496' 27<0?05' <24=2' 8.' .20' 3456.' B"89=0' 850' D46.49=."@' .7' ;0' 50=7B9460D' 86' 375B05406' <0' 628"" 60"0=.' 7A.' 73' .2045' 9AC;05' 790' <24=2' .20' 7:49479' 73' C89@' 49D4?4DA8"6' 28?0' 0?09' .7' .20' :50609.' 4.7C09.' 6.8C:0D' <4.2' .20' =2858=.05' 73' B09A490G 9066' 89D' .246' 46' 4.' #' ' ' # ' ' #9 # ' 98F0D' 208D' 73' 4=057# # 9 # # K # 9 >#' 54B2.' 289D' 27"D49B' 8' =57<9' 8' ;589=2' 89D' 2' :8"C' M75?490N' 6277.# 0=79D' ;5866' 600' ' 0F20"' 89D' 8' 8:05' ;@' 5# 4502' 79' 8' ' $' 0 E ' ' $' ' :A;"4620D' <4.2' 89' 09B58?49B' 49' .20' ' ' ' ?7"# 44# :# , * ' .245D' F49B' 73' #7C0' .20' 4CC0D48.0' 6A0=06*695' 73' AC8# :5A9B' 357C' .20' 89=409.' 89D' 4""A*6.5499'6.7=F' 73' .20' 76.4"48' 20' <86' 0"0=.0D' ;@' .20' 644.358B0' 73' .20' :07:"0' 89' 0?4D09=0' 73' .246' 46' =7964D050D' .7' ;0' 620<9' 79' .28.' =749' 73' .20' ; ' 38C4"@' 79' <24=2' .2050' 46' 8' 50:50609.8.479' 73' .20' ?7.49B' :"8=0' 49' .20' 7C4.48' 8.' #7C0# 20' .508.@' 73' .20' 68C0' F49B' <4.2' .20' "; 896' 46' 6A:-760D' .7' ;0' 628D7<0D' 375.2' 49' .20' .@:0' 73' 8' D09854A6' 73' .20' ' 38C4"@* 1 .20' A94=*1 246' <86' 97.' 8' 649B"0' B85C09.' ;A.' <86' =8:8;"0' 73' ;049B' CA".4:"40D' 67' 86' .7' ;0' D46.49BA4620D' ;@' .20' 98C06' 73' .20' ' ' 89D' .20' ' ' .' <86' 73' "4909' 75' <77""09# 28.' 73' .20' <7C09' 28D' 6"00?06' <86' ?05@' <4D0' D06=09D0D' CA=2' "7<05' .289' .20' C09l6' 89D' <86' :A.' 79' 4CC0D48.0"@' A9D05' .20' 5A;0# 9' 89=409.' C79AC09.6' 86' <0"" 9AC46C8.4=' 86' "8:4D85@' 4898' 46' 67C0.4C06' 50:50609.0D' <4.2' 205' .A94=' .A=F0D' A:' 89D' 386.090D

' & *1 ' <7C89 608.0D' 04.09D493.' 205' 54 2.' 289D' .7<85D6 8' ;7@' <24"6.' 897.205' 6.89D6 ;@ 205' 64D0*

8""489. 2A6 D06=54;06 .20 50?0560 73 8 60=79D ;5866 <24=2 20 8664 C6 .7 4.0""496 ' ; A.' 73 <24=2 .20 7;?0560 46 97.' 0I24;4.0D*1 47990.' 89D F05C89 ;7.2 490"9D0 8 64C4"85"@ D06=54;0D C0D8"' 8C79B6.' .20' 5850 ;5866 73 .28.' 0C:0575' 97.<4.26.89D49 z .28.' 4.' 46 ="8660D ;@ =F20" 8C79B6.' .20 + $ .28.' 6275.' 89D .A5;A"09.' 504B9 0 7;605?06 .28.' T .20 09.450 50?0560 ;0"79B6 .7 06:86489 U .2050 ;049B C4DD"0 ;5866 350SA09."@ C0.' <4.2 <24=2 <050 6.5A=F 49 .20 @085 73 #7C0' <4.2 06:86489*6 :75.584.' 89D .20 8;7?0EC09.4790D .@:0 79 .20 50?0560 M600 ;0"7<N*1 T .' 46 97.' :7664;"0 U 20

8DD6' V.28.' .20 .<7 ;7@6 =79"D ;0"79B .7 4.0""4A6' ;0=8A60 20' 79 246 8==06*647A .7 .20 0C:450' 28D' 79"@ 8 679 89D' 8 D89B2.05*U1 00 4 '4 # # ??*1 20 0I8C:"0 2050 B4?09 46 357C 8 60=79D ;5866 73 06:86489*

' # # *1' ' <7C89 608.0D' 0I.09D6 205 54B2.' 289D 7?05 4.A6 89D 205 "03.' 7?05 7C4.489' <27 850 506:=0.4?0"@ 6.89D49B ;@ 205 64D0*

=F20"' 49 D06054;49B .246 "0B09D 89D .@:0' 357C 8 60=79D ;58*66 49 .20 4C:0548"# =8;490.' 8.' 40998' 68@6 V 246 46 8""0B754=8"# 06:86489' .257AB2 :8.0598"# 8330=.479' 2050;@ :A;"4="@ 8?7<6 24C60"3 .20 BA85D489 89D .A.75 73 246 6796# A.' 20 8"67 866AC0D .246 .4."0 3A5 .20 68F0 73 246 7<9 60=A54.@' 86 .20 "430 73 8 C7985=2 46 .20 68305 .20 B508.05 9AC;05 73 84D6 20 50"406 A:79# .' <86 357C .246 300"49B .28.' 4.A6 0I05.0D 24C60"3 .7 :57DA=0 8 50=79=4"48.479 ;0.<009 7C4.489 89D 246 38.205' <27 28D;009 A6."@ 49=0960D 8.' 246 7:09 :573"4B8=@' 79 <24=2 7==8647 4.A6 684D' e.20 ;A"<85F6 73 0C:450 =7964 6. B508."@ 49 "0B4796 89D 3"00.6' ;A.' 20 ;06.' 5067A5=06 73 8 67?0504B9 850 49 246 7<9 C4"@*L U " ' 4?#[>*N ' *1 20 0C:0575 608.0D 79 8 =AC"0=2845' 0I.09D6 246 54B2.' 289D .7<85D6 8 ;7@ 89D B45"' 9085 <27C 8 <7C89 46 6.89D49B# 456.' ;58*66 73 05?8*

=F20"' 49 SA7.49B .20 8;7?0 357C 546.89' C8F06 .20 37""7<49B 7;605?8.4796/1 T 4=.75 50"8.06 73 05?8' .28.' 20 =7CC89D0D ;7@6 89D B45"6' ;7C 73 49D4B09.' :8509.6 .7 ;0 6A::75.0D 8.' .20 :A;"4=0I:0960 .2579A279.' .20 =4.406 73 .8"@# 20 BA85D489624:' " %# =7CC0C7C 58.0D 79 .246 =749 503056 .7 .20 8;7?0EC09.4790D 38=.' 89D <0 50=7B9460 49 .20 C49.' 73 58 89 27<4""A6.547A6 2 6A=506695 05?8 28D' 49 .20 =855@49B 7A.' 73 246 ;090?7"09.' D064B9*U1 .' 46* 27<0?05.7 ;0 97.4=0D .28.' 904.205 47990.' 975 5# F05C89 49="AD0 .246 =749 49 .2045 =8.8C "7BA06' @0.' .20 894C8D?0564796 73 =F20"' 86 <0"# 86 .20 =7CC09.85@ 73 546.89' CA6.' 73 =7A560 28?0 50=A550D 0SA8""@ .7 08=2 73 .2760 0C4909.' 9AC46C8.46.6' .20 4930509=0 .7 ;0 D58<9 357C 4.6 7C466479 49 ;7.2 <75F6 46' <0 :506AC0 .28.' .20@ D4D D7.' 50B85D 4.' 86 B09A490* &*1 <7C89' <4.2 .A550.0D NzN 208D' 6.89D6 27"D49B 49 205 54B2.' 289D 8 :8.058 7?05 89 8".85' 89D 8 =A59A=A:400 49 205 "03.18.' .20 ;7..7C 73 .20 =749 46 o 1 246 8::0856 8C79B .20 .245D ;5866 73 858A64A6 49 8ADA54#6 <75F' 89D 49 .20 9905@*

(4.2 .20 67C0 "0B09D 79 .20 50?0560' 86 79 .20 =7496 73 06:86489' 4.' :50609.6 SA4.0 8 D4330508.' .@:0 20 208".2 89D 6830.@ 73 858AE 64A6 <7A"D 2050 600C .7 28?0 ;009 =7CC4..0D .7 .20 BA85D489624:' " %' 73 67C0 30C8"0 B094A6*1 4F20"# .249F6 4.' 97.' 4C:57;8;"0 .28.' .20 "0..056 ' C85F .20 =749 86 28?49B ;009 6.5A=F 8.' 79D79 M 79D49AC#' F05C89 B4?06 8 64C4"85 C0D8" 357C .20 A9.05 =A""00.479 ;A.' <4.27A.' D06=54;49B .20 208D 7598C09.' 73 .20 <7C89' 89D 8"67 <4.27A.' 8DD49B .20 "0..056

#' # & *1 9 .20 50?0560 73 8 D0986 54A6 73 .20 4"C4"48 38C4"@ <0 508D ' o #! ' H ' +# ' ' # *1 20 . N0 50:50609.6 0:4DA6 6.89D49B ' ="7.20D 49 .20 .7B8' :"8=06 8 =57<9 79 .20 ;08D 73 .20 F49B M8 @7A.2N' <27 6.89D6 ;@ 24C' 49 2 64C4"85 D5066' 89D 27"D49B 8 6:085 49 246 54B2.' 289D*1 9 .20 7;?0560 73 .246 ?05@ 5850 64"?05 =749# 6 .20 <75D o 6 $ ' <4.2 .20 .A550.0D 208D 73 8 <7C89*

20 50C85F8;"0"0B 9D 73 .20 8;7?0 D06=54;0D 50?0560 50=04?06 4""A6.58.479 357C 8"054A6 "8I4E CA6 M=# N1 T '49B .7"0C@ 28?49B =4# .20 BA85D489624:' 73 246 679 .7 .20 289D6 73 .20 #7C89 :07:"0' .20 6098.0 609.' # 0C4"4A6 0:4D96' <27 28D' .<4=0 ;009 =796A"' .7 "0I89D548 375 .20 :A5:760 73 A9D05.8F49B .20 BA85D489624:' 73 .20 @7A.2*U1 KA6.49 M,*H N 46 6.4""# C750 0I:"898.75@/ 1 T .' .20 D08.2 73 .20 F49B' .20 4928;4.89.6 73 "0I89D548 609.' 89 0C;866@ .7 .;0 #7C896' :58@49B .20 C' .7 A9D05.8F0 .20 BA85D489624:' 73 .20 @7A9B F49B' 89D .20 =285B0 73 .20 8338456 73 BiE:.********** 9D # 0:4DA6 46 609.' .7 B@:' .7 8DC4946.05 .20 B7?059C09.' 73 .20 C4975' A9D05 .20 .4."0 73 99 M75 BA85D489N 20 68C0 0?09.' 46 49=4D09.8""@ 8D?05.0D .7 ;@ 8=4.A6" 4#' (N/ V KA6.' 86 7A5 89=06.756 609.' # 0:4DA6 49.7 B@:.' 86 BA85D489 .7 .20 =24"D509 73 .7"0C@*U W

T .' 46 49D00D C85?0" 4C6 M68@6 =F20"' 83.05 =4.49B .20 8;7?0 8A.2754.406 N .28.' 67 4C:75.89.' 89 49=4D09.' =7934 5C0D ;@.06.4C79406 67 9AC057A6 89D 67 0C4909.' 627A"D ;0 49?7"?0D 49 6A=2 2 D096 0 7;6=A54.@' .28.' <0 627A"D 97.' 0?09 97< 28?0 ="085 49375C8.479*73 .20 4D09.4.@ 73 .246 .7"0C@' <4.2 <2760 BA85D489624:' 0:4DA6 <86 09.5A6.0D# 20 7==8647 73 .246 A9=05.849.@ 46 49D00D A6."@ 8..54;A.0D .7 .20 90B"4B09=0 73 .;0 89=409.' <54.056 <27 49 C8F49B 97 D46.49=.479

1 # *

89D :54?4"0B0D :57;8;"@ .8F09 8<8@ 357C <.20 @54896 ;@ "8B8;8"A6 79 87=7A9. 73 .2045 . 9B :85. <4.2 8=549A6*1 20 .@:0 0I24;4.6 6.84 <4.2 .20 8;7?0 D06=54;0D 8..54;A.06 ;A. <4.249 8 .0C:"0 73 64I 074AC96# 2050 46 8 6C8"" 8".85 ;03750 .20 .0C:"0*1 K760:2A650=75D6 .20 ;A4"D49B 73 8 6A:05;.0C:"0 ;@ 4589 F49B 73 .20 @54896 49 2797A5 73 6.85.0 M75 6.857.2*N 20 8".85 ;03750 .20 .0C:"0 49D4=8.06 68=5434=06 :05375C0D 375 420 208".2 73 "8B8;8"A6*1 64C4"85 .@:0 7==A56 79 8 60=79D ;5866 73 .246 =7"79@ 496=54;0D .7 SA4""48 0?058 89D 72 3456. ;5866 73 24"4.:609475 50;79489A6 &8""A6 89D &8""409A6*

89D *1 2050 46 8 C0D8" 73 "8A.4""8 49 "85B0 ;5866 6.94=F 8. @50 97. 97.4=0D ;@ 84""89. ;A. <24=2 46 B4?09 ;@ = 0549 8?7<0D"@ 79 8==7A9. 73 .20 649BA"854.@ 73 4.6 50?056 .@:0* .50:50609.6 8 =85 D58<9 ;@ 37A5 275606 .<7 73 <24=2 .A59 .7 .20 54B2. 89D .20 7.205 .<7 .7 .20 "03.* 9 .20 085 46 :"8=0D 2 "85B0 B"7;0 89D 79 .20 B"7;0 6.89D .<7 6C8"" 30C8"0 34BA506 79 0 73 <27C 286 A:79 205 ;08D 2 75 2 .7<05 89D 27"D6 49 205 54B2. ;89D 2 6=0:.50 75 6275. <89D 49=" 490D D7<9 <85D6 89D 49 205 "03. 8 =A59A=7:460* 20 60=79D 34BA50 8"67 =855406 2 =759A=7:460 49 205 "03. 289D 89D 600C6 .7 5846 .20 "03. 289D .7 205 C7A.2*1 0""0549 =7964D056 .20 375C05 73 .20 8;7?0 D06=54;0D 34B4598 .7 50:50609. 6.85.0 89D .20 "8..05 .20 &7DD066 73 4"09=0 M600 .20 <75DN ;7.2 ;049B 8C79B .20 D4?494.406 <75624:0D ;@ .20 4D7"8.57A6 @54896*

& *1 C4DD"0 ;5866 73 50:* &8""A6 0I24;4.6 .<7 98F0D <506."056 ;0.<009 <27C 6.89D6 89 2C .20@ 08=2 27"D <4.2 ;7.2 .2045 289D6 2 75 2 6C8"" ?860 7A. 7 <24=2 2 :8"CE;589=2 54606*

^ 20 =7496 73 "@50 620yL .28. C89@ :A;"4= B8C06 75 0I05=4606 <050 =0"0;58.0D 49 .28. =4.@ A9D05 .20 #7C896 89D :85.4=A"85"@ .2760 =8""0D 89D ; 86 C8@ ;0 6009 79 C0D8"6 73 858=8""8 M600 ;0"7<*N 246 .@:0 49 <24=2 .<7 C86.05 <506."056 27"D .20 :54\06 .20@ 28?0 <79 600C6 .7 49D4=8.0 .20 =7CC0C758.479 73 B8C06 A9D05 .20 C:0574 8;7?0E98C0D*1 20 :8"C 8==75D49B .7 "A.85=2 <86 96A8""@ 8<85D0D .7 .2760 <27 0I=0""0D 49 8"" 8.2"0.4= .548"6 73 6F4""# 20 9C ;0.<009 .20 .<7 34BA506 46 .20 B589D + J *Q1 00

* *1 9 2 60=79D ;5866 73 .246 =7"79@ D0D4=8.0D .7 KA"48 7C98 .20 <430 73 4.6 37A9D05 <0 60D .20 .@:0 73 2 ;A"" 89D 8;7?0 4.6 ;8=F 8::0856 2 C4"4.85@ ;899O5 496=54;0D * # 03750 .20 ;A"" 46 8 620""*

^ 246=749 <4.2 4.6"0B09D 73 0 # 5 * # :"=79345C6 68@6 84""89. .20 6.8.0C09. 73 A4D86 .28. 8D5489 =79=0D0D .20 D4B94.@ 73 8 C0.57:7"46 .7 @50 ;A.4. <86 "8B8;8"A6 <27 C8D0 4D79 8 =7"79@ 89D 8 C0.57:7"46*1 20 ;A"" 503056 .7 .20 4CC4B58.479 73 #7C89 =4.4\096 .7 @50* 20 ?=I4""AC 75 "8;85AC 79 <24=2 46 4 620<6 .28. .20 ?0.05896 73 .20 245D &8""4= 0B479 ;049B 609. .7 @50 .77F A:. 2045 <49.05 SA85.056 49 27094=48* 20 75 620""E3462 46 .20 :0=A"485 6@C;7" 73 .20 =4.@ 50:50609.49B 86 4. D706 .20 [

1 # * >[

357C <2760 ;"77D <86 C8D0 .28. + + D@0 79=0 67 =0"0;58.0D .257AB27A. .20 89=409. <75"D 89D 73 <24=2 45B4" 6=08F6 "4 "4;*444* ,* H N1 !

3)

2050 850 8 64C4"85 "0B09D 89D .@:0 79 =7496 73 8=549A6 .7 <27C .20 =4.4\096 73 @50 <050 <0"" 8330=.0D 86 46 :57?0D ;@ .20 9AC46C8.4= 2797A56 <24=2 .20@ D0D4=8.0D .7 24C DA549B 246 6275. 89D 498A6:4=47A6 504B9 Q

1 =749 73 &8""409A6 7C4..0D 49 84""89. ;A.6A::"40D ;@ 0""0549 " = *HH N :50609.6 79 4.6 50?056 " o 5 * #* 89D .20 34BA50 73 8 98F0D C89 6.89D49B <4.2 8:8.058 49 246 54B2. 89D .20 49 246 "03. 289D# 03750 .246 C8"0 34BA50 49 .20 A::05 :85. 73 .20 C0D8" 89 0D434=0 46 6009 <24=2 50:50609.6 8 =86."0 75 .20 B8.0 73 8 =4.@# 9 .20 340"D 73 .20 50?056 850 .20 &500F "0..056 # 0"7< 850 2 ;A"" "@49B D7<9 89D 2 620""# 3462*

T 9=409.<54.056 M68@6 0""0549N <050 375 .20 C76.:85.8==A6.7C0D .7 C8F0 B58:24= 8""A6479 79 .2045=7496 .7 0?09.6 <24=2 49.0506.0D .20C 89D <24=2 ;@ .2045 =0"0;54.@ =7A"D 4C:85. .7 .20C 67C0 D46.49=.479# A=2 850 .20 C0D8"6 73 @50 79 <24=2 <0 600 % 49 .20 8=. 73 D450=.49B 89D 6A:0549.09D49B .20 ;A4"D49B 73 85.28B0 1 .20 =4.@ 4.60"3 ;049B 8"67 8..0C:.0D .7 ;0 50:50609.0D*1 9D 49 .20 :50609. 496.89=0 8==75D49B .7 8::08589=06 4. 46 8DCA6 <27 6.89D6 49 .20 C4DD"0 73 .20 =749 89D ;03750 24C 46 .20 =86."0 75 375.5066 =8""0D 83.05 246 98C0 <24=2 20 =8A60D .7 ;0 ;A4". 49 m7.48 89D <24=2 <4.2 .20 7.205 0D434=06 .28. <050 83.05<85D6 8DD0D .7 4. 375C0D .20 =4.@ 73) <2760 98C0 46 <54..09 79 .20 C0D8""*U

F + *1 7496 73 &75D489A6 4A6 89D 73 &8""409A6 6.5A=F ;@ 7"7948* @50 0I24;4. .20 34BA50 73 2 C89 6.54F49B 8. 2 6056 :09. <4.2 2 6.790 / 4

^ 84""89. 49.05:50.6 .246 .@:0 86 50305549B .7 8DCA6 679 73 B0975 F49B 73 @50 49 .20 8=. 73 F4""49B 8 D58B79 75 "85B0 605:09. <4.2 2 6.790* 20 .5A.2 73 <24=2 6.75@ 8::0856 .7 ;0 .28. .2050 <86 8 F49B 73 .20 20;896 98C0D . <27C 8DCA6 6"0< 89D 73 <2760 F49BD7C 20 .77F :766066479* 20 @54896 .7 620< .20 24B2 89.4SA4.@ 73 .2045 =4.@ =7C0 C0C758.0D .20 50:A.0D 38=. ;@ .246 8""0B754=8* .@:0 A6. 86 .20 @54896 0I24;4.0D 957:8 89D .20 A"" 79 .2045 =7496 375 B0975 .20 38.205

49' 68 : : 75.' 73' 246' 7 : 49479' .28.' .20' C89' 49' .20' =85' 46' C089.' 375' .20' @5489' 05=A"06' <27' 4.' 600C6' <86' 6D79B6.' 7.205' 98C06' =8""0D' ' ' 86' ' .20' "08D05' 73' .20' 6.856" ". ' -' 20' @54896' 3A59462' .20' =28547.' 73' .246' 3.7D' 73' .20456' <4.2' 6.83M6 496.08D' 73' 275606' 49' 8""A6479' .7' .20' 58 : 4D4.@' 73' 246' C7?0C09.6# ' 6.8B' <86' .20' 0C ; "0C' 73' .20' 6A9L6' ?0"7=4.@' 89D' 05=A"06' 89D' .20' 699' 8==75D49B' .7' 8=57E' ;496' <050' .20' 68CO*Q 6 1 '60=79D' ; 5866' 73' 50 ; 7948996' 8""A6' 6.5A=F' 49' .246' =7"79@' 0I24 ; 4.6' 8' 20"C0.0D' 30C8"0' 608.0D' 27"D49B' 49' .20' 54B2.' 289D' 89' 08B"0' ; 0.<009' <2760' <49B6' 850' :"8=0D' .<7' 6C8"" 4C8B06' 205' "03.' 289D' 506.6' 79' 8' 6 : 085' 89D' 49' .20' 340"D' 73' .20' =749' 46' .20' 3 ^ 84""87.I%6' 7 : 49479' 46' .28.' .20' 20"C0.0D' <7C89' 6A : : 75.49B' 79' 205' 289D' .20' ; 45D' 73' K7?0' .@ : 4340*6' .20' =4.@' 73' #7C0' 89D' .28.' .20' .<7' "4.."0' 34BA506' : "8=0D' 79' .20' 08B"0' 50 : 50609.' 50 ; 7948996' &8""A6' 89D' 246' 679' 7"446489446' <27' .209' =79 749."@ C40D' .20' 0C : 450' "JI ' 44*' : # >, *N 1 = 0549' <27' D06=54 ; 06' 8' 8"05489' 6.5A=F' 8.' @50' <4.2' .20' 68C0' 50?0560' .249F6' 79' .20' 7.205' 289D' .28.' .<7' "4.."0' 4C8450*6' 49' SA06.479' 79' .2060' 60?058" C0D8"6' 28?0' 97<' .20' 8 : : 08589=0' 73' ; 049B' 496' .09D0D' .7' 50 : 50609.' 6.854D' 89D' 9B05798*Q 1 ' ^ 7C# 44# : # 4?*Q F + ' ' F 1 9' 8' 60=79D' ; 5866' 73' "8B8 ; 8"A6' 28?49B' 375' "0B09D' 73' 50?0560' ?64 ' ' <0' 600' 2' 605 : 09.' =74"0D' 57A9D' 2' "85B0' 7?8" 6.790* ^ 2050' 46' 97' D7A ; .' 68@6' 84""89.' ; A.' .28.' .246' .@ : 0' 286' 5030509=0' .7' 67C0' : 8668B0' 49' .20' C750' 89=409.' 246.75@' 73' @50' 89D' 357C' .<7' =7496' 73' .246' =7"79@' M790' 2' &75D489' * ' .20' 7.205' 2' &8""409A6N' 49' .20' 375C05' 73' <24=2' 2' 605 : 09.' 46' .<490D' 57A9D' 8' .500' 6.89D49B' ; 0.<009' .<7' "85B0' : 4""856" "4F0' 6.7906' 89D' 49' .20' "8..05' 2' 605 : 09.' 46' 6.5A=F' 8.' <4.2' 8' 6.790' ; @' 8' C89 1 .20' 68C0' "08590D' 9AC46C8.46.' 493056' .28.' .20' 6.790' 09=45="0D' ; @' .20' 37"D6' 73' 8' 605 : 09.' <86' 79' .246' =749' 73' .20' @54896' 8"67' 6.5A=F' 49' C0C75@' 73' 8DCA6*Q 1 00' ' ' 44# : # .NH* F 1 ' 60=79D' ; 5866' 73' .246' =7"79@' 496' 6=54 ; 0D' .7' "8B8 ; 8"A6' 286' 375' .20' .@ : 0' 73' 4.6' 50?0560' 4"=996' <27' =855@49B' 79' 246' 627A"D056' .20' A6A8" 8..54 ; A.0' 73' .20' B78.L6' 6F49' ; 7.."0' "43.6' 246' 54B2.' 85C' 79' 24B2' .7<85D6' 2' :8"C' .500' ; 03750' 24C# 20' 8==7C : 89@49B' "0B09D' 46' # # * + ' 3 ' " ^ 050' 68@6' .20' 8A.275' 73' .20' <75F' 79' =7496' 73' #7C89' =7"79406' <0' 8.' "09B.2' 60D' 2' C0D8" 73' @50' 6.5A=F' 49' 279795' 73' "8B8 ; 8"A6' <4.2' .20' 0 : 4B58 : 2' 73' + ' 89D' .20' .4."0' 73' ' ' 3' .209' .20' 7 : 49479' ; 0' 37A9D0D' 79' 38=. ' .28.' "8B8 ; 8"A6' D0 : 54?0D' .20' =4.@' 73' 4.6' D4B94.406' 79' 8==7A9.' 73' 4.6' 8D20509=0' .7' 8=54996' .246' C0D8" <7A"D' 600C' .7' 620<' ; @' 4.6' 496=54 : G .479' .28.' A9D05' .20' =79=4"48.0D' 49DA"B09=0' 73' .20' 68C0' 0C : 0575' .2760' C0.57 : 7"4.89' 89D' =7"7948" 54B2.6' 89D' : 54?4"0B06' <050' 506.750D' .7' 4.* 1 ' 4"09A6' 73.09' 8 : : 0856' 79' C0D8"6' 6.5A=F' 8.' @50' <2050' 20' <86' <75624 : : 0D' ' 7 1 ' ' 44# : # W * F ') ' ' ' ' ' 1 9' 8' 3456.' ; 5866' 73' &75D489' * ' 89D' 8"67' 73' 8"054E 89A6' 89D' &8""40996' 6.5A=F' 49' T' .200 7"7948" 89D' 0.57 : 7"4.89' 4.@' 73' @50 U' .20' .@ : 0' 73' .20' 50?0560' =79646.6' 73' .<7' =855?0D' 6.7906' 506.49B' 79' 790' ; 860' 89D' : "8=0D' ; 0.<009' 8' "4B2.0D' 8".85' 89D' 8' .500" .' .20' ; 7..7C' 850' .20' &500F' <75D6' ' E # 9' 7.205' .@ : 06' .20' .500' 6.89D6' ; 0.<009' .20' 6.7906' 89D' 8' 6C8"" 8".85' 8 : : 0856' 8.' .20' ; 7..7C' 73' .20' =749' 1 ^ 20' 6.7906' 68@6' 84""89.' 850') # ' <24=2' M86' 799A6' 50"8.06N' .20' P@54896' 28?49B' 733050D' 68=534=0' .7' .20' B7D6' C8D0' 386.' 49' .20' B57A9D' 89D' .8F49B' .20C' 3A5' 8' 37A9D8.479' ; A4".' @50' A:79' .20C" 20' @54896' <050' 379D' 73' 6.54F49B' 79' .2045' =7496' .@ : 06' <2760' 6A ; 0=.6' 50"8.0D' .7' .20' 754B49' 73' .2045' =4.@' 375' <24=2' .20@' : 5730660D' .7' 50B85D' .20C60"?06' 86' 49D0 ; .0D' .7' .20' 8D?4=0' 73' 05=A"06" A.' .246' <86' 0<' @50' 64.A8.0' 79' 89' 46"89D' 375' .20' # 3 ' <86' ; A4".' 79' .20' C849"89D' ; @' .20' 4D794896* ' ' F + ' . ' ' F $ - L' 97.205' =749' 73' &75D489' <4.2' "0B09D' 73' ' ' 3 ' + ' 0I24 ; 4.6' .20' 50C85F6 8 ; "0' .@ : 0' 73' 8' .500' 57A9D' .20' .5A9F' 73' <24=2' 2' 605 : 09.' ; 88' =74"0D' 4.60"3' 79' 08=2' 64D0' 73' .20' .500' 46' 8' 6.790' 64C4"85' 49' 375C' .7' .20') # ' D06=54 ; 0D' 86' 8 : : 08549B' 79' .20' : 50=0D49B' =749" 9' .20' 0I05BA0' 46' 2' DAB' <4.2' 2' 620"" 3462' ; 03750' 24C* ^ 20' .500' 57A9D' <24=2' .20' 605 : 09.' .<4906' 4.60"3' 46' 89' 7"4?0' 68=50D' .7' 4905?8 1 20' D7B' 89D' 620""E3462' 50305' .7' .20' .58D4.47985@' 49=4D09.' A9D05' <24=2' .20' 60=50.' 73' .246' : A5 : "0' D@0' <86' D46=7?050D' ; @' .20' @54896" ==75D49B' .7' .2045' 7<9' 6.75@' ' <24"6.' 2' B45" <86' 7A590@49B' <4.2' 05=A"06' .7' @50' 8"79B' .20' 608' 62750' 8' D7B' <24=2' 8==7C : 8940D' .20C' 30D' A : 79' .20' 3"062' 73' .20' ' <24=2' 28 : : 090D' .7' "40' 49' 4.6' : 8.2' .20' B45" 6004 9B' .20' DAB?67 : 09' C7A.2' .49B0D' <4.2' .20' C76.' ; 08A.434' ' : 3"5 : "0' 86F0D' 73' 05=A"06' 8' B85C09.' 73' 8' 64C4"85' =7"7A5' 89D' 20' 28?49B' 3456.' =7""0=.0D' .20' ; "77D' 357C' .20' 620""E3462' D@0D' 67C0' <77" <4.2' 4.' <24=2' ; 049B' 83.05<85D6' C8D0' 49.7' =7.2' 20' B8?0' .7' 246' C46.5066*Q + 1 '=749' 73' 8=54996' ; 08549B' .20"0B09D' 54C48' # # # : 7h<' 48' 286' 375' .@ : 0' 73' 50?0560' 8' .0C : "0' 73' 37A5' =7"AC96' M49' 7.2056' 641N' : 50609.49B' 4.60"3' 49' 2' .<7E64D0D' ?40<* ^ 84""89.' : 5797A9=06' .246' .7' ; 0' C089.' 375' 2' 50 : 50609.8.479' 73' 04.205' 8' .0C : "0' 73' 05=A"06' 75' .28.' 73' 6.85.0' .2760' ; 049B' .20' .<7' : 549=4 : 8" D04.406' 73' @50' ; A.' 20' .249F6' 4.' C750' "4F0"@' .7' ; 0' C089.' 375' .20' 375C05' 86' .20' 50 : A.0D' 37A9D05' 89D' .A.0"85@' 2057' 73' .20' =4.@* 1 ' ' 44# aE, Ha*Q 1 9' 2' 60=79D' ; 5866' 73' .20' 8 ; 7?0E 98C0D' 0C : 0575' ; 08549B' .20' 68C0' "0B09D' 46' 2' B8""0@' <4.2' 04B2.' 57 < 056' 79' 7.205' 6 : 0=4C096' 73' .20' 68C0' =749' .246' B8""0@' 286' 2' 684" 86' <0"" 86' 7856* ^ 20' ?0660" =8""0D' ' M600' .20' <75DN' 375C6' 89' 8 : : 57 : 548.0' .@ : 0' 79' =7496' 73' .20' @54896' <20.205' 86' 8""A64?0' .7' .2045' 866AC0D' C054.' 73' ; 049B' .20' 49?09.756' 73' .28.' =" 866' 73' B8""0@6' 75' 86' 49D4=8.49B' .2045' C85' .4580' : 7<05' 89D' 4C : 75.89=0' 799A6" . 3 ' N' 50=75D6' .28.' 05=A"06' .8AB2.' .20C' .20' 85.' 73' 98?4B8.479' ; @' 60..49B' ; 03750' .20C' .20' 018C : "0' 73' T' .20' "4.."0' #' C8F49B' 2

!94" 73 4.6 ;543=2.' 89D ;A7@89.' 620""/ 209=0 4;A""A6 \#"4;*# 4# "0 # *N0
' ' ' ' 3
20 @54896 ' 8=575D49B .7 47D7946 ' <050 .20 37A9D056 73 C89@ =7"79406 49 354=8 ' 89D 73 97.' 8'30< 49 .20 <06.059 : 85.6 73 A57 : 0* 1 ' ' 44# : # # 0
+ *1 0=79D 89D .245D ;5866 =7496 73 8"79498 M<430 73 &8""4=9A6N ' 6.5A=F ;@ .246 =7"79@ ' :50609.' 79 .2044 50?05606 8 .54 : 76 ' <24=2 84""89.' 50B85D6 86 50305549B .7 :7""7 ' 790 73 .20 60?058" .A.0"85@ B7D6 73 .20 =4.@* 1 ' "A.85=2 49D00D 50"8.06 ' .28.' <209 "0189D05 ;0640B0D @50 ' C89@ 73 4.6 4928 ; 4.89.6 D508C.' .28.' .20@ 68< :7""7 8DD506649B 24C60"3 .7 "0189D05 ' 89D .0""49B 24C ' .7 =7C0 7?05 ' 86 .249B6 <050 B749B 79 49 .20 :"8=0 ' <24=2 <050 9A.' .7 246 C49D# 9 .246 :50.09=0 .20@ =86.' =28496 7?05 89 4C8B0 73 :7""7 ' 86 43 4.' ;8D ;009 .28.' 73 8 =79?4=.0D .584.75 75 D0605.05 ' 89D 8..8=20D .20C ' <4.2 984"6 .7 .20 ;860 73 246 6.8.A0 ' =8""49B 24C ' .20 :85.4689 73 "0189D05 ' ;A.' <209 @50 <86 =8 : .A50D ' .28.' C7985=2 .77F 8<8@ .2760 =28496 ' 89D =7CC89D0D .28.' :7""7 627A"D ;0 .05C0D V .20 344=9D 73 "0189D05U "# N 1 20 .54 : 76 46 89 8..54 ; A.0 73 :7""7 ' 49 246 SA8"4.@ 73 ' 4.' ;049B 89 496 6.5A C09.' :"8=0D 79 .20 B57A9D <2050?05 758="06 <050 67AB2.' .8F49B 4.6 98C0 357C .20 .2500 "0B6 75 300.' <24=2 MA : :75.' 4.*1 47D7C6 4=A"A6 D06=54 ; 06 8 .54 : 76 86 8 C8=2490 <4.2 .2500 ;8606*1 ' 44# :# > *
3*1 ' =749 73 .246 =7"7948" =4.@ ' 496 6=54 ; 0D .7 8"0548 ' ;0856 .20 .@ : 0 73 4=.75@ <8"F49B ' <4.2 =57<9 49 54B2.' 289D 89D : 8"C 49 "03.
M 20 34BA50 73 .246 : 0=A"485"@ #7C89 B7DD06}' 6.5A=F 79 8 @5489 C0D8"' 600C6 .7 D097.0 67C0 C4"4.85@ 6A==066 B8490D ;@ 8"05489 ' 75 67C0 73 246 B09058"6 ' ;A.' <28.' :85.4=A"85 ?4=.75@ 46 A9=05.849 ' 8".27AB2 496=54 : .4796 73 # ' ?77# 850 73 350SA09.' 7==A5509=0 79 .246 0C : 0575L6 C0D8"6*0
' ' *1 9 8 =749 D0D4=8.0D .7 .20 #7C89 =7"79@ 73 @50 86 C0.57 : 7"46 73 20094=48 .7 858=8""8 8 : : 0856 8 .8 ; "0 79 <24=2 850 .<7 A596 ' 75 ;7<"6# ' ;589=2 73 :8"C 46 8"67 6009 79 08=2 64D0 73 .20 .8 ; "0/ 8;720 46 .20 <75D ' ' ;0"7< # =8*1 ' 9 67C0 6 : 0=4C096 73 .246 C0D8" 8 6.85 46 6009 ;0.<009 .20 .<7 A596*
G & ' A596 ' 75 "85B0 ?8606 ' 89D ' :8"C ;589=206 49D4=8.0 M68@6 84""89.N .20 68C0 9AC6 ;05 73 ' 75 :A;"4= .548"6 73 6F4"" 89D 6.509B.2 ' 86 49D00D .20 .<7 98C06 73 D4?494.406 ' 49 <2760 279795 .20@ <050 =0"0;58.0D <7A"D 8 : : 085 .7 =79345C# :7""7 MD064B98.0D ;@ .20 0 : 4.20.' " ı A 89D 05=A"06 M 58="08 357C 058="4D06N <050 ;7.2 73 .20C ' .A.0"85@ D04.406 73 @50 ' <2760 =4.4\096 0?4D09."@ =79=04?0D .28.' .20@ <7A"D 97.' 28?0 .77 C89@ 73 ' 2 6.549B6 .7 .2045 ;7<*U 1 9D 0?05@ 79 F97<6 .28.' 49 C0C75@ 73 246 98?8" ?4=.75@ 7?05 # 9.79@ 9085 =.49C ' ABA6.A6 ; A4".' 8 .0C : "0 .7 :7""7 ' 89D 506.750D B8C06 49 B58.4.AD0 .7 .28.' D04.@*
A;"4= B8C06 <050 8"67 496.4.A.0D ;@ .20 @54896 745.' 73 506 : 0=.' 375 .2045 BA85D489 2057 ' <24=2 <050 D097C498.0D # ' 75 ' 8"C ;589=206 <050 .20 50<85D6 3.3 .20 =796 SA05756 8.' .2760 0105=4.8.4796*0
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9 8 C0D8" 73 "8B8;8"96 ' 6.5A=F 49 .246 =7"7A@ ' 86 D06=54 ; 0D 89D 09B58?0D ;@ 84""89.' .2050 46 89 7"4?0 ;589=2 49 8 ?860 ' 75 AC ' 79 <24=2 AC 46 <54..09 ; ' 1 3 + ' 49 &500F =2858=.056*
9 AC ' <4.2 8 ;589=2 46 .20 <0""EF97<9 64B9 73 :A;"4= B8C06 75 0105=4606# (0 28?0 8"508D@ 6009 ' 79 8 =749 73 858=8""8 ' 89 8""A6479 C8D0 .7 6A=2 =0"0;58.4796 6 : 0=434=8""@ 49 2797A5 73 :7""7 89D 73 05=A"06# .' 46 97.' 6A5 : 54649B ' 68@6 84""89.' 43 .20 @54896 496.4A.0D B8C06 49 =7CC0C758.479 73 - + ' I K3 + ' 375 20 <86 8 ?05@ 89=409.' .A.0"85@ 73 .2045 =4.@# 20 7"4?0 ;589=2 <86 8 : .749.0D ;@ .20 758="0 .7 ;0 .20 50<85D 73 .20 ?4=.756 8.' .20 "@C : 4= B8C06 ' 375 ' <209 F49B ' :28.A6 609.' .7 86F .20 SA06.479 ' .20 @.248 896<050D ' <4.2 .20 35A4.' 73 .20 37506.' 7"4?0*0
' ' ' ')*1 ' 60=79D ;5866 73 &75D4E 89A6 4A6 0124;4.6 .<7 9C6 89D 8 ="A;' 60.' A : 54B2.' 49 .20 C4D6.# 9 08=2 64D0 6.89D6 8 :8"C ;589=2*
^ 20 @54896 350SA09."@ :"8=0D 79 .2045 C790@ .@ : 06 8""A64?0 .7 .20 =0"0;58.479 73 B589D : A;"4= 6 : 0=.8="06 20"D <4.249 .2045 <8""6 86 286 ;009 6009 49 .20 =860 73 .20 :7""7 89D 05=A"06 496=54 : .4796 79 .20 C0D8" 73 858=8""8 89D 8"67 49 .20 496.89=0 73 89 "@C : 4= .7 .20 2797A5 73 KA : 4.05 89D 05=A"06 86 8 : : 8509."@ 5030550D .7 79 .20 C0D8" 73 "8B8;8"A6 1 84""89.' =7964D056 .<7 A596 89D 86 C89@ :8"C6 .7 C089 .<7 ' 89D 790 A59 .7 64B943@ 79"@ 790 ' 75 :54\0EC8.=2 1 .20503750 .<7 A596 89D .<7 :8"C ;589=206 86 79 .246 =749 D097.0 .<7 7==8647796 73 :A;"4= .548"6 73 6.509B.2 89D 6F4"" A.' <20.205 .2760 + ' <050 5' 89D * ' 75 <20.205 .20@ <050 1 3 + ' 89D ; ' 7A5 "0859 0D' =7CC09.8.75 =79 306606 .20 D4334=A".@ 73 :5797A9=49B ' ;A.' 46 49DA=0D ' 357C .20 8 : : 0589=0 73 .20 ="A;' ;0.<009 .20 ?8606 .7 .249F 4.' 503056 .7 05=A"06 .20 38?7A54.0 BA85D489 73 @50*0 1 00 ' 44 , [>*
9 8 @5489 =749 73 7"A648996 ' .2050 850 .<7 ?8606 ' <4.2 :8"C6 <24=2 :749.' .7 =05.849 :A;"4= B8C06 .28.' .77F :"8=0 8.' @50 DA549B .20 6275.' 504B9 73 .28.' :549=0 89D .20 C0C75@ 73 <24=2 .20@ <4620D .7 50=75D 79 .2045 C0D8"6# ".27AB2 .20 98C06 73 .2060 ' 850 97.' 8334 I0D ' 84""89.' 46 @0.' 73 7 : 49479 .28.' .20@ <050 .2760 ' 89D ; ' 496.4.A.0D 49 2797A5 73 :7""7 89D 05=4D06 86 .A.0"85@ D04.406 73 .20 =4.@ 86 .20 8"508D@ D06=5420D C0D8" 73 858=8""8 0I : "8496 79 <24=2 .2045 506 : 0=.4?0 98C06 850 496=54 ; 0D ' .20 .<7 A596 86 49D4=8.49B .<7 =79.06.6 =79345C49B .20 6A : : 764.479* 1 ;4D ' :# >>[*

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^ 064D06 .20 8A.2756 73 AC46C8.4= ;77F6 F97<9 8. .20 :0547D <209 .246 4=.47985@ <86 =7CC09=0D 6A=2 86 89DA54 89494 $=F20" #86=20 05C8A 0.=* 5=3050A=0 286 ;009 "85B0"@ C8D0 .7 .20 <75F6 73 7CC609 7209 8;8.405 0775C89. 5702905 8AD C89@7.2056# 20 ?8"AO 49$ 8..8=20D .7 .20 =7496 286 ;009 :549=4:8""@ .8F09 357C 7209 89D 8;8.405 89D 4. 627A"D ;0 50C0C;050D M86 7209 286 6.8.0D 49 246 5038=0N .28. .20 06.4C8.479 46 .28. 73 .20 8=.A8# C85F0. 73 8546 89D 79D79 6A:: 7649B .20 =7496 73 B77D :50605?8.479 ;A. 97 73 89 0I=0:.4798# 38;54 75 :8.498 89D =05.849"@ 97. D $ 1 # (# *Q

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M 54B498""@ 357C .20 &500F N .20 .<09G .40.2 "0..05 73 .20 8.49 8":28;0. 8 ?7<0"# 6 89 8;;50?48.479 86 .20 64B9 73 .20 ?7<0 6.89D6 375 9 1 # B o 1 8"67 49 # #)) - M357C .20 &500F N .20 .<09.40.2 "0..05 73 .20 8.49 8":28;0. 8 =7967989.# 6 8 86 <0"" 86 8 .246 "0..05 7==A56 79 .20 =7496 73 # KA"4A6 A5647"- (1 A: .7 ?? 89D $ c " 6 89 8;;50?48.479 M.20 =7967989.N 6.89D6 375 ! F 1 # # ! F 86 8 C85F 73 ?8"A0 1 [5 p 79 .20 0 73 .20 1 >> N 8AD 79 .20 4=.7548.06 " (>>a*N 46 .20 28"3 73 .20 =5766 +" % 75 =289B0D 49.7 3E0 89D 20 3456. 375C 7==A56 86 085"@ 86 [, 79 8 =749 73 85=489 =7CC0C758.49B ;46 C85548B0 <4.2 A"020548 89D ;08549B .20 "0B09D ' # : " M 8DD09 K WO# ' * * *, 7"# +?44# : :# , a :4# 97#, 8DG D09 85.# 3 49 C4.2 89D 2=0.28C . $ ' ? 0 V ?7"# 44* :#, > :4# 4?* 34B# HN 89D 79 =7496 73 864"46=A6 9 E N 89D 986.864A6 9 a, E, N ;A. 4.6 960 600C6 .7 2850 ;009 "4C4.0D# 20 60=79D 375C <86 83.05<85D6 B09058""@ 8D7:.0D 79 .20 @\89.490 =7498B0 357C .20 .4C0 73 KA6G .49489 # 9 7 [> E[N ;7.2 86 8"0..05 " 3 % 89D 86 8 9AC058"# M[N M 4 + M, N ++ M> N =* 50:490D ;@ 75 86 '# & ' * # 79) =7496 73 8"79498 1 79 ;5866 C0D8""4796 73 796.89.490 A L 79) =7496 73 &8".40996 L & # # ## #* 79 B7"D =7496 73 209D76496 # 89D 65048996* 375 ,49 + ", % 89D 79 2 579.7C48.0 73 0.579496 8I69C96 <4.2 79 .20 7;?0560 .20 208D 73 "8=4D496 8"09.4E 948996 ^ 00 ! 9d 89D 49 # "! % 50:"8=0D ;@ 86 & 79 B7"D 64"?05 89D ;5866 =7496 73 8D5489 1 79 "85B0 ;5866 73 ABA6.A6 1 ' E #! 79 8A.797C7A6 64"?05=7496 6.C0F ;0.<009 504B96 73 057 89D 06:86489 1

' 79) =7496 73 P&8""40996 89D 8"79444A6* 375 86 375 (". % 375 # 9 E # & # %* F + e 79 .0.58E D58=2C6 6.5A=F ;@ 5A..4A6 F :57S44m6.75 73 .20 :5C"75 09.4446 8.A5A49A6 BA?05A75 73 8=0D7948 *=# aE * 375 4A "4@ 75 "! % 8=009.98.0D 49 Z #, "! % 49 Z M 7C:7848 % P 49 #ZK? 79 =7496 73 0=4A4A6 5A.A6 6.5A=F 49 *= E H <4.2 .20 "0B09D #Zh? "! % 49.EC85F MzN 79 085"@ 89D =#, H E, , M 7CC609 - 0 6 0D# 46=86 89D D0 (4..0 ?7"# 44* :# H [*N % ! ++ * TT ! g$ 79 6C8"" ;5866 =7496 73 858AE 64A6* ! 0528:6 79 89 085"@ 0 M 7CC609 6 ?7"# 44* :# *N & + ! ! ! M 796.89.4A6 247C8 ! 1 A6t0 D0 A549*N 1 +E & + 4 ! V # ! M 8I4C489 "05=9"06*N 1 &# + b 1) M 89DA54N * & + 1 ! O # != M&8"054A6 8I4C489*N # ! '"_%# #* F+ _ F+ _ 79 ;5866 =7496 73 ABA6.A6 89D 4;054A6 6.58=F 8. 85.28B7 n09B4.89C M 75B2064 0=# 4? f"05 6 $ 0 ?7"# 44* :#, [H 7209 = + >9D 0D* ?7"* 4* :#, > *N 9 .20 $ # # . 79 .20 D48D0C 73 ! 8=075D49B .7 8?0D794 k , [:# >N 79 8 64"?05 =749 73 .20 R M=3# 7209 = # 4#) C4"48 7 , ,*N # ! %# "W 6 =786#) 085"=9 :40=0 73 0586 %A40.A6 =796A" 49 , M 8559==4 6 ; , > :# >, *N # ! % / 00 ! # ! , - !) & *

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<24=2 8 64C4"85 208D 7==A56 50=7B94\0D ; (8DE D49B.79 86 .28.' 73 A"?48 20 68C0 208D C8@ ;0 6009 79 7 3 73 85F 9.79@ 6.5A=F 8.' ABD79AC R@796*N

L 75 M 8.49 =7496N M&500F =7496*N 8;8E "8.;96 679 73 D098.;96 89D n097;48 =8""0D ;@ 7:46096 $7 N *) B7?0590D 8"C@58 <4.2 246 C7.205 83.05 .20 CA5D05 73 246 "8.205 49 > 0 :57;8;"@ :054620D 49 .20 <85 <4.2 950"489 49 > ^ B7"D =749 286 ;009 8..54;A.0D .7 D098E .2A6 ;@ 2 0A75C89.' "6 :#4 4?4 7 , N 89D ;@ 4=.75 89B"746) 5 l g :4 444 7 ,N <27 389=406 .28.' 20 =89 508D 79 4.' .20 "0..056 ;A.' .20 D58<49B B4?09 73 .20 :40=0 46 86 7209 68@6 = + ?7"? :4 ,[N 5'$ = 89D 86 0975C89.' 8DD6 9 0 ?7"? 44 :N 0 0 + = 0975C89.' 27<0?05 D706 97.' =7964D05 .28.' .246 =749 =89 ;0 ="8660D 8C79B .20 +) 89D 6ABB06.6 .28.' 4.' <86 466A0D ;@ 75D05 73 8:75 375 @548D06 75 454E 8D06 <27C 20 50=7B9460D 86 C:0575 89D .28.' 4.6 6.@"0 <0"" =75506:79D6 <4.2 .20 ;86E50"403 73 8:75 79 <2452 ;0 46 :50609.49B @548D06 .7 .20 #7C89 .577:6 86 .2045 C:0575 89D 79 897.205 <2050 8"05489 46 D749B 27C8B0 .7 @548D06 M "89D49 :4 4I4444* I"4I # #8<"49679 F 1 : :# >a,*N 0975C89.' 3A5.205 6ABB06.6 " + :# > HN .28.' .20 5850 64"?05 C0D8""479 73 &8""40996 <4.2 .20 "0B09D ! * 79 <24=2 &8""40996 608.0D 46 50=04?49B 357C 89 85C0D <855475 6.89D49B 8 ;589=2 73 "8A50" M 7209 = + ?7"# 4?# :4 4?444** 7 N B4?06 8 50:50609.8.479 73 89 8667=48.479 ;0.<009 &8""40996 89D D098.296*Q 20 =7496 73 8;8"8.2A6 850 73 .<7 ="86606 .2760 <4.2 246 98C0 89D 208D <4.27A.' .20 .4."06 73 r685 75 ABA6.A6 89D 79 .20 50?0560 .20 98C0 89D 208D 73 950"489 89D .2760 <4.2 246 98C0 89D 208D 89D .20 .4."06 73 r685 89D 9E B96.A8 89D 79 .20 50?0560 ?8547A6 .@:06 20@ <050 6.5A=F 8.' 9.47=2 <4.2 8.49 496=54:.4796 89D 8.' "0189D548 <4.2 &500F 6 .20@ 73305 67C0 D4334=A".@ 49 .2045 49.05:50.8.479 4.' 46 8DG ?468;"0 .7 B4?0 ;7.2 605406

i $'

, 1 # #A6.' 73 8;8"8.2A6 .7 5 "89508.0D*
6 A6.' 73 950"489 .7 5 58D48.0D ;0"7< 75 75 5'75 75 75 rl 75 * 8 M,>3500*N

i $' 5
>1) A6.' 73 8;8"8.2A6 .7 5 58D48.0D*
6 " # KA:4.05 27"D49B B"7;0 89D "08949B 79 6:085 ;03750 24C 8 6.85 8.' 246 300.' 89 08B"0 * M>& 3506*N
6 0996 6.89D49B 27"D49B 20"C0.' 89D 6:085 89D "08949B 79 8 6240"D * M> 3500*N
6 # &4=.75@ <8"FG 49B ,27"D49B 8 =57<9 89D 8 :8"C 49 .20$ 8 6.85 * M> 3500*N
.205 50?0560 .@:06 1 % *Z &* # 43 &* # & 850 B4?09 ;@ 7209 " " + ?7"? :, [aN 357C ?8547A6 67A5=06 ;A.' 850 97.' 8A.209.4=8.0D 5 79 8""0.' " u 5 , ,N D06=54;06 8 6:0=4C09 <4.2 "0B09D &*N 89D .20 .@:0 05=A"06 <4.2 49 .20 $ 8 6.85 89D 49 .20 .<7 :749.6 M :54?@ C85F 73 .20 C49.*N

* 1 &# '

i $' V
1) " 0 A6.' 73 8;8""8.2A6 .7 5 "8A508.0D 89D ;0"7< D48D0C0D 97 D8.0 6 >$ A6.' 73 950"489 .7 5 "8A508.0D 8.0 M@085 ,*N
1) " 745 0 6 7 8.0 M@085 *N
6 6 7 [8.0 M@085 ,*N
1) 6 7 [8.0 $ M@085 *N
6 6 7 8.0 M@085 >*N
1) " 0 > W. 6 7 [8"06 M@085 N 75 $ M@085 *N
6 6 7 8.06 M@085 ,N 75 M@085 >*N
a 1) 0 & A6.6 73 A50"489 89D .2097DAC6 38=49B 08=2 7.205 .20 375C05 "8A508.0D .20 "8..05 "8A508.0D 89D D48D0C0D M79 8 6:0=4G C09 49 .20 .20 ;A6.' 73 8;8""8.2A6 46 58D48.0D*N
6 M@085 ,*N M@085 N <4.249 "8950" <508.2*

i $' V
, 4= 0 0 >$ A6.' 73 8;8""8.2A6 .7 5 "8A508.0D*
6 M@085 [*N 57?4D09=0 6.89D49B 584649B 5 289D 89D 27"D49B 8 D7A;"0 =7CA=7:4.0*
.1) 8C0 "0B09D 89D .@:0*
6 $ M@085 *N A6.' 73 .20 A9 .7 5 58D48.0D*

57C .2= =749 4. 600C6 ="085 .28. 49 .20 37A5.2 @085 73 8;8"8.296 8AD .20 3456. 73
A50"489 > aE> M 76 , [aN
A50"489 50=77A4 AD .20 B7?059C09. 73 8;8E
"8.2A6 8AD 49 .20 37""7<49B @085 9 > ,N
67=48.0D 24C 86 ABA6.A6 M 76 > HN ;A.
?05@ 6779 83.05 8;8"8.2A6 89D 246}C7.205
n097;48 50?7".0D 89D 6.5A0F 49D0:09D3A.=7496
;7.2 8. 9.47=2 89D "0189D548 M 76 , , ,N
F> $ P
^ .46 .27AB2. M 79 8""0. u $ "
?7"4 44* : :#>[>1>[0979989. U
0 ?7"4 44* :#H ,N .28. .20
=7496 73 A50"489 <4.2 .20 "0B09D6
&4 89D "" 50:50609.49B
.<7 <8554756 6.89D49B6 50=8""4 79 .20 =7496 73
.20 (06..20 =7E50B09=@ <24=2 A50"489 50=7BE
9464D <4.2 8;8"8.2A6 49 .20 86.*Q
20 =A547A6 "0..056 #"* "4 M 7 ,N 89D
75 55 L." M 76 [
£ N <24=2 <050 67 "79B 8 :A\\"0 .7 9AC46G
C8.46.6 89D 73 <24=2 .20 28D ;009 49.05G
:50.0D 86 405 ^ 9EF g+ 44740
28?0 ;009 68.4638=.754"@ 0I :"8490D ;@ 5 79
9""0. <27 :57?49B 357C 8"C@5090 49G
6=54:.4796 .28. .20 98C06 73 -
8AD F K <050 =7CC79 8. .20 :0547D 73
D098.2446 89D n097;48 286 8554?0D 8. .20
37""7<49B 49.054450.8.479 73 .20 "0B09D6 1
* * "L * 5
F8+ B%
E L ! [u:: 47 4 -h1476
[M?:M4 75 D[<:7?H e 458545=c.
+ +^75 ?57 '7D584:0 ' + 3)
"" +
(4.2 506:0=. .7 7 a ;08549B .20 98C0
W4 5 79 8""0.286 627<9 .2
.2097D75A6 46 .20 98C0 73 8;8"8.2A6
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44. M * * &# [H ;# :# ,, 45
&# (4"F49679 F ' ' # *? ?7"* 44* :# ,> N 89D .28. .2050 46 97 508679 375 6A:G
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D098.2A6*
9 .20 <2MD0 SA06.479 .20 37""7<49B <75F6
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F , : :# > #> 89B"746 F
) 7209 =
+ ?7"4 *? :# ,[8DD09 ;) ?' $'
6 F , , : :# ,> E,> ', [:4 44* HE
2 2 0=*, >79
8""0. -% ! ! 3 , *
* $ F i ++ ?
, ?7"4 444 F u $, , ,
u $ $ F , ?7"4 44* 0 7B 0
F 7 (+ F= 0 : (8DG
D49B.79 + 4 0 'WXW
F3 : # 0975C89. 0
9 0 = , 7"4 44* : :# H E
*
" % 375 &79 =7496 73
76.ACA6 1 + # 5 *
! ^ =7< 46 50:50609.0D 79 B7"D 89D
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6.@"0 79 8 ;5866 C0D8""479 73 9.7949A6 496
[

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89D 79 B7"D 89D 64"?05 =7496 73 858A64A6
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0+
P #
79 8 "08D =749 M =F20" ?7"*
?44* :# H, N*
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""76.4"489*
F P
"! F
%) <4.2 8 6240"D 8..8=F0D
;@ 8 :89.205 89D 8 ;085 ;0"7< 897.205
) 8..8=F49B 8 "479 <4.2 246 6:085 1 79
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78 ;5866 =7496 73 46:8948
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.AC A54867 0.=*
# 79 ;5866 =7496 73 8"8BA5546
8664=8 # # # +# ' '
' F 'K, 1 89D 79 =7496 73
47="0.489 814C489 # 05=A"06 796.89.496
# 2"7586 &.94054A6 814C489 *' 0?05A6 *'
814C49A6 # 8\8 8109.4A6 4=49498 #
89D *' 8"096 MA9D05 4=494A6 43 B09A490N
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??*# 79 ;5866=7496 73 ' '
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76# , > N*
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A6A5:05 .7 :A. 24C .7 D08.2# 0 <86 F4""0D ;@
246 7<9 67"D4056 8;7A. > # 7 =7496*
M A50"4A6 8"054A6N 89 7334=05 A:79
<27C 4=494A6 # ;06.7<0D .20 .4."0 73 60685
83.05 .20 ;8.."0 73 4;8"46 49 H, 89D <27
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1,1 1 2 :# :# # 08D "8A508.0D#
6 "7?4 # & # KA:4.05 27"DG
49B 4=.75@ 89D 6=0:.50 8. 246 300. 89 08B"0
49 .20$ .7 ,* * .7 5# 8 =57<9 89D + * 49
.20 % .46 97.;8;7?0
6A6:4=479 06:0=48""@ 86 4. 46 97. =05.849 .28.
8"096 0?05 50=04?0D 89@ 24B205 .4."0 .289 .28.
73

M "8?4A6N .20 7 &' 73 8"09E
.49489 * <86 7 ;49 H> 89D C8D0

H

.20 504 73 58.489 89 850 3A99 8"67 79 .20 =7496 73 248=7.0C:7585406 8"09.49489 4"# 89 207D76486 #.46.20 C49.EC85F 73 &8A# 89 .20 B508.45:85.:73.20 (06.89 46 67C0G .4C06 8==7C:8940 ;@.20 "0..056 -# -8S# 49 .20 7 7496 <4.2 #89 =7 7 8"790 ;0"79B .7 #7C0# 209 $;0=8C0 =7CC79 .7 0?05@ (06.059 C49.20 "0..056 $ "6 %# F %0.=*8::085 49 .20 $ 9 8 B7"D =749 73 8B9A6 8*=4E C86 <27 F4""0D &58.498 49 # B#H <0 349D # /" 9%8 375C 8"67 7==A5549B 79 8 B7"D =749 73 796.8A.49A6 *.20 A6A5:05 A9D05 79754A6 85=7C:894=D ;@ *"= %# 49.20$ 86 <0"# 86 .20 A6A8# 375C 3"$ 3.05.20 D08.2 73 207D764A6 #8AD.20 D4?46479 73 .20 C:450 ;0.<009 246 .<7 67A6 508D4A6 89D 79754A6.20 375C6 $ 3A5.20 89D $ 375 .20 -, C:450 ;0=8C0 .20 8D7:.0D C49.EC85F6 .20 375C05 8"C76. 8"<8@6 8==7C:8940D ;@ "0..056 49 .20$ 2050 46 "4..0 D7A;.28.20 49 $ <86 6A;6.4.A.0D 357C .20 3456.3A5 .20 49 $ 7 5060C;"0 .20 C49.EC85F 73 796 6.89.497:"0 89D @0..7 627< 8 D46.49=.4?0 C85F 375 8"# (06.059 C49.6* 4 $ 79 8 B7"D =749 73 9.20C4A6# 1è * 89D .20 =7 46 :5034 I0D 89D .20 $ 8"4I=D .7 5060C;"0 86 9085"@ 86 :7664;"0 $ 89D @0..7 D064B98.0 .20 8=.A8# C49.8.<24=2 .20 =749 <86 6.5A=F# 20 A6A8"375C 46 / $ 79 2 B7"D =749 73 9.20C4A6# B F 20 9698# 375C 46 U 7<7 79 8 B7"D =749 73 n097# 3 * 20 9698# 375C 46 Y 1* 4 $ 8;50?48.0D 375C 73 $ 79 B7"D =7496 73 79754A6 89D 207D764A6 ,,*6.5A=F 8.8?0998 9$ 49.20$ % $ >N 79 =7496 73 8B9A6 8I4C96 6.5A=F 79 246 866AC49B .20 4C:0548# :7<05 49 54.849* ^ B5066A6 .09D096SA0 8D ?0.A6 7:4DAC SA7D :76.054.86 8:04"8?4.1 CC# 85=0"" I4?44 *1 207D764A6 ?057 DC 97C4946 49="@.4 894C7 ?4B750 =7""0=.7 82 :5A30=.4A SA8C ?0.0506 8::0""8?050 I I?444* H*Q .205 "0..056 6A=2 86 $! $ 0.=*43 0I46.49B 79 =7496 850 9A.B09A490 C49.C85F6 ;A.;85;857A6 4C4.8.4796* 8547A6 49.05:50.8.4796 28?0 ;009 934050D 73 .20 "0..056 $ 09=F"05 :57:7606 $$ 89 %A49.497) 0.4B9@ 89D D0 8"46) 3M 6A::760D ;@ 58C;4""8 .7 ;0 =79345C0D ;@.20 =749 73 n097 508D49B " !!3 M600 8;7?0N 7209 8) 7 49D05 89D 4540DE "805D05 46679B 89D .20 :50609.<54.05 >#.46 A990=06685@.7 09.05 49.7 89@ "09B.2@ 8==7A9.73 .2060 ?8547A6 .2075406 86 .20 6A;0=.286 8"508D@ ;009 .2757AB2"@ 643.4D 49 .20 :8:056 .7 <24=2 628""# :50609."@ 50305# A""4=0 4.7 68@.28.20 34BA506 \I 44*# 49 .20 $ 850 37A9D 79 7496 73 796.89.490 *796.89.496 *89D 796.896 40685 6.5A=F 8. 9.47=2 HHHEHH[64B944AB .28. 9 =7490D .7 .20 :7A9D AA6.A9.4A0 #28749B 50DA=0D .20 35A5095 8;7A. * # H,H .28. 8"09.4A489 # 89D A"096 466A0D 8 "8<8;7A. * # H ;@ <24=2 .20 B72# :7A9D <86 A"98 6 .7 ;0 50=F790D 8. >67"44"4 .2A6 80=A4C.49B 3_5 .20 "0..056 7 1 79 .2045=7498B0 89D .28. 357C .28. .4C0 .20 "0..056 <050 :"8=0D 49 .20 8==7C 8940D ;@ .20 98C0 73 .20 .7<A 86 $ $ 0.=*75 0"60 4 *75 $ <86 :"84?0D 49 .20 .20 "8..05 ;049B 350SA09."@ 80=7C:8A40D ;@."4= 98C0 73 .20 .7<9 49 .20 $ 86 '*' *' 0.=# 20 3D"7<49B .8;"0 627<6 .20 D4330509.375C6 73 C85F49B .20 2BA506 >8AD $ / V ++ ; 75 * 9 9 9 20 37""7<49 Z 46 .20 :549=4:8""4.094.A507A .20 672 5=./1 0A=F"05 <C# , / 89 %A49.497 F [.4:A@ 3C N1J , [4C". 89D 540D"804AZ5 * M $ M , [, 540D"804A"?5 * * $ F 8 ++ ? $3 T 4*, H 53# "9K *6#, H ?7"# 444*:#, H - + 9 3 u $ 40998, 44 $% $ 05"49 , H =45 4 W< # , H ?7"# I444# :#, > MI7;09 + ?4*:# H > "4A 09 ?6 9 *#' 27"# 4*:,,>', [', > 7"# > /5957;4""8 K M B[, 03# 7CC609 4 Kh3h_6 0D# "8=86 8AD 0 4..=?7 4?*:#a <4.2 "0..05 357C # 8?74I # "46679 . $ 4 M 49.20 u $ $6 <27 627<6 .28. 20 "0..05 M b .7 .20 :7A9DN <86 =C:"A\WD ;0.<M09 * # > 89D > 89D > N > b .7 .20 :7A9DN ;0.<009 >b 89D H,>49 <2402 @085 .20 6.89D85D 73 .20 B7"D =A4A <86 .4"0D 8. >.7 .20 :7A9D* 1 * # > 1 >K * * # >a EEH,>* ; C"] ; " .4 * ; / 4 % 8 M 75 8;7?0*N 20 :54904:8# 50?0560 "0*509D6 79 .20 =7496 73 9"09.49489 # 850 1 9 .20 4z7"D 8 5."*4I # # 75 +

&↵ M 75' 3506N' &0 *!' .' 1 'M 3506N' # ':↵ ↵ & 'M 3506N'79'.20' 8 ! *'75 ' # 'M 3506 ss ! # 47?6 ' 'M .7↵ , 3506*N ! *' 2)2 =44?6 '89D?7 46'?' o ! 6'75'6'89D I?'75' + '89D 4 I I 'M 3506*N'79'.20' &0 *!' 1 'M .7↵ ,['3506*N[' # 6' # 5' * 'M[3506*N' # ..↵75' ↵' 75' # M>'.7↵ [' 3506*N' *↵ 5 #' * ↵ # ↵ M,[35=6*N' # ' & 8"=A.49489↵ ↵ 89D 246'679 8"09.49489↵ ↵ 608.0D 38=49B "47"D49B 8 B"7;0' 8 4=.75@ 3"@49B 8;7?0 =57<96'.20C' 49 * s'M,['3506*N' !~ *! ' 75' %&↵75' & # M> '.7↵ '3506*N' # ' ↵ ↵ ↵ M 3" *N' # ' # # 'M[35 ? *N' 'M 3506*N' 79'.20' * ! *'* !# '75' # 'M '.7↵ H '35=6*N ↵ ↵75' ↵ ↵ ↵+↵ 75' 46'+ 5'+'89D I I 75' I?' 89D ++'M '.7↵ , 4506*N' *$ '* 'M' 06*N' 79' .20') &0 *!' * * 9~A' 2 1 <' M 3506*N' * ! *'75' # ' # ↵ 5' # 'M= .7' 35=6*N' # ' &↵ 5' & # 'M' 3506*N' ! * 6 * ~! !'M 3506*N' 1 '# $0!~' 1 .@:06'73' 646' ""85 4058.06'89D 9A;46'M' 3506*N' ↵ ' o '6'MON' ?896'* 'M' 3506*N ' ↵ M "8?4A6N' 679'73' 8"=A.4A48AA6' ,' 89D' KA6.498' <86' :5A="84C=D' 83.05' 246' 38.2056 D08.2' 49' ' [' <209' 8;7A.'34?0'75'641' @0856'73'8B0# &58.489' 246' 0"D05';57.205' <86'.209' 8;7A.' 64I.009' 89D'.20'.<7' ;57.2056'D4G ?4D0D'.20' (06.' ;0.<009' .20C L8"09.49489' '.8F49B' .8"@'94@540AC' 89D' 3908' 89D' &58.489' &8A"' :849' 89D'E 54.849';A.' 86'.20' 375C05' <86' 67' @7A9B' .20' "8..05' 508""@ <86' 67?0504B9' 73' .20' (06.↵ 20' @085' 833345.20' D08.2' 73' 8"096' 49' *.N↵ a' &58.489' 8:749.0D' 207G D764A6' ↵ .7' 6A0000D' 24C' 89D' 49' *:↵ H <86' F4""0D';@ 8B9A6' 814CA6↵ 9' 'H' 207D764A6' ↵ D0308.0D' 89D' F4""0D' 8B9A6' 814E 4996' <27' 28D' D54?09' 8"=A.49489' ↵ 7A.' 73' .8"@' 89D' 50496.8.0D'.20' "8..05' 86' 67"0' C:0575' 73'.20' (06.↵ 8"09.49489' ↵ "08?49B'.77' CA=2' :7<05' 49'.20' 289D6' 73' 5;7B86.06' =7CC89D05' 73'.20' #7C89' 375=06' 49' &8A"' 89D' 8..0C:.49B' <209'.77' """.0'.7' D0:54?0' 24C' 73' 246' =7CC89D' <86' 6.589B"0D' ;@' 75D05' 73' 5;7B86.06' 49' Ha>*

20':54904:8↵ 50?0560' "0B09D6' 79'.20' =7496' 73' 8"09.49489' ↵ 850/1' 4 ' ' ' ' 82)' ' &' ' 75' ↵ M ' 35=6*N' < ' * * ' M ' 35= *N' # #' # ↵ 8"↵ *'<4.2') '6.89D49B' 38=49B' 584649B' <4.2'.20' 289D' 8'.A550.0D' 30C8"0 89D' 27"D49B'.20') '79' <24=2' ,↵ 9' ' S7 ↵ 75' # ' 75' * $ '9' 89D' 6' ¤ ' 89D' ½ M,> '3506*N' 79'.20' ' &0 *!' * * 'M '35=6*N' # ' + # 4 ?6' M, '35=6*N' 9'.20' ' # ' &↵ M> '.7↵ H '3506*N*

' &&↵ 75' & # 'M' . ' [' 35=6*N' 79'.20' ' ' !* ' $6 *~' ' 75' # # 'M' 35= *N' ↵ ↵ + 75' ↵ +↵ 75' ?7 ↵ I↵ o '66K'M, '.7↵ >' 35=6*N' 'M' 35=6*N' # ' # 'M' 35=6*N' 79'.20') ' ' !~ *! ' && ' MC0D8""479' 89494'> '3506*N'~ ~ *! ' && M=N'& # ' # ' 5'# # M='. ' , '35=6*N' # # ' # ↵ M=N' 75' ' # ' M= .7' ~ H 35= *N' # && ↵75' && ↵MON' # ' &&&↵ 5' + # ' 75'# # 'M7. ' [' 35= *N' ' ↵ ↵+'75'+' 89D'++'75' I?' 89D' II 75' III'89D' III' M=N' *$ # ' M=*N

' ↵ M "8=4D4A6N' 679' 73' 796.89.496' ↵ 89D' "8=4D48' <86' D0="850D' ' ';@ 207D764A6' 49' ↵ ↵ >' <209' 8;7A.' 34?0' 75' 641' @0856' 73' 8B0' 89D' .20'37""7<49B'@085' A9D05'.20' 50B09=@' 73' 246' C7.205' "8=4D48' <27' 50G =04?0D'.20'.4."0' 73' 9' ↵ H '8"09.49489 *' .209' ,' @0856' 73' 8B0' <09.' .7' 796.89.4G 97:"0'.7' C855@' 404948' AD7148' .20' D8AB2.05' 73' 207D764A6' ↵ A549B' 246' 504B9' .20' (06.059' C:450' <86' =79.49A8""@' .20' 6=090' 73' <85↵ 2=7D754=' '49B' 73'.20' &7.26' "84D' 640B0' .7' 50"8.0' M 5"06N' #4024"8' '49B' 73'.20' A0?4' .77F' 054D8' 49' :849' &0960 54=' '49B' 73'.20' 89D8"6' 604\0D' 85.28B0' 89D' ..4"8' '49B' 73'.20' A96' B8?0' B508.' .57A;"0' 49' .8"@↵ 75.A98.0"@' 8"09.49489' ↵ :7660660D' 89' 8=G =7C:"4620D' =7CC89D05' 49' 0.4A6' ;A.' 308549B' 246' :7<05' 89D' 493"A09=0' 20' CA5D050D' 24C' 49' =7"D';"77D' ↵ ↵ [↵ 8?49B' ?47"8.0D'.20' <430' 73' 0.5794A6' 814CA6' 20' <86' .20' 37""7<49B' @085' F4""0D';@' .;0' 49 A50D' 2A6;89D↵ 8"09.4G 9489' ↵ "03.'.<7' D8AB2.056' 44D7=48' C85540D'.7' A99054=' '49B' 73'.20' 89D8"6' 89D' "8=4D48' C85540D'.7' 94=4A6' "@;54A6' 73'904.205' 73'<27C' 850'.2050'=7496* 20':549=4:8↵ 50?0560' "0B09D6' 79'.20' =7496' 73' 8"09.49489' ↵ 850/1' 4 ' ' ? ↵ + + +' ↵ I I I I' M 89DA54' '3500*N' 79'.20' ' &0 *!' * ' M '.7↵ ' 3500*N' ↵ I I I I 44↵ =76↵ I?44' # # ' M, '35=6*N' 'M '35= *N' # ' && ↵ 75' & # 'M,'>'. ' 35=6*N' ↵ +↵ ↵ ++' 75' +++' 75' I I I I' M['.7↵ , 35=6*N' * $ ' M,>'.7↵ '3006*N' 79'.20' ' # ' &&↵ M>[5= *N' # '# # 'M '35=6*N' 79'.20') ' ' o '*!# $.' 4 2' M '35=6*N' # ' &&↵ MH' . ' '35=6*N' ↵ ↵ M 8949 4' '35=6*N 'F ' 9'.20' "8<6' 73' &79D7E ;8"D'F49B' 73'.20' A5BA9D4896' 9 ' E[,N' C09.479' 46' C8D0' 73' =05.849' '=8""0D' '<24=2';049B73';860' B7"D' <050'.7';0'<4.2G D58<9' 357C' =45=A"8.479↵ 2060' 8 '28?0';009' .27AB2.';@' 0.4B9@$6 ' ' ' ,' ,':↵ ,> ' 0 ½'89D' ↵ 0975C89.'3"8' ' ' I 0' ?7"↵ 44*':↵ H N'.7';0'.2760' 73' 8"09.49489' *' ;A.' 085@" ' ' ' ↵ ↵ ' ' '?7"↵ I?44*' :' >>[N' 46' D46:760D'.7';0"40?0' 06:0=48""@' 86'.20' 508D49B' ' 46' A9=05.849' .20' =7496

' ' 2500' 30C8"'0 34BA506' 6.8AD49B' 0802' 27"D4AB' 8' ;8"89=0' 89D' 2'=759A=7:48X' ' 49' .20' B ' $ ' (4' " . ' ' =' 08D' 73' 796.89.490 ' "8A508"4 ' * ' * ' 357C' ' M> ' 3506*N 4') B) ' ' :07:"0' 73' &8A"' 28?49B' 375' .2045 =8:4.8"' ' ' ++ ' M 7"7B90*N 20' 37""7<49B' =749' 46' 8..54;A.0D' .7' .20C' 1 ' ' 08D' .7 5* ' ;03750' 8' 6.85' 4.05' ' 7560' B8""7:49B' .7' 5* ' 49' .20' - ' 8' 6.85' 89D' .2500' =45="06' ' M*ZF05C89 ' ' ' $' ' ' ' # ' :' , *N %' ") O % ' 79' 60=79D' ;5866' =7496' 73' 057 1 ' :'#*? 4S*' # * ' ! ' "O ! ' 1 "67' 79' .20' 79.75948.06' <4.2' .20' 208D' 73' 057' M 8;8.405' ' ' ' :4' 4?44*' a' ' 7209' ' + ' ,6.' =D*' ?74' ?4*' :' > ' 7' > *N

% ' * +' 4=.75@' 49' 8') ' B8""7:G 49B' .7' 5* ' 27"D49B' 8' <24:' 1) ' & OO! ' ?7?6 ' 08D' 73' &8""409A6' .7' ,*' =57<90D' <4.2' 500D6' - ' MH ' 356*N' U ' M ' 3506*N % ' +' 8C0' 50?0560' .@:0' 1) ' 4*4 *??6' ?A' 08D' 73' &8""409A6' =57<90D' <4.2' 0856' 73' =7C' M:N' -$ ' 357C' * ' ' = ' ' ' ' ' ' ' M>[' 3506*N % ' +' 8C0' 50?0560' .@:0' 1) ' 4 4 ?6' :' +' ?7' 08D' 73' &8""44CA6' =57<90D' <4.2' B5866' M N' $X ' 357C' ' = ' ' ' ' ' ' M>[' 3506*" ' 75' =57<90D' <4.2' 0856' 73' =7C' M N' * ' ' ' ' M ' 3506N*

20' 37""7<49B' 50C85F6' 28?0' ;009' C8D0' 79' .2060' =A54796' =7496' 2@' ' 7209' " ' + ' , 6.' 0D' ?7"' 4?*' :' , ' %' / 1

V' 2050' 850' 30<' =7496' <24=2' 28?0' 0105=460D' 89D' :9\\"0D' 6027"856' C750' .289' .2060' ' P?20' 98C06' 73' o o ! ' ' ' 8057C:99 49B' 2' 208D' <24=2' 46' <4.27A.' D46:A.0' .28.' 73' &8""409A6' .20' =57<9' 49' 8' :85.4=A"85' 375C' <24=2' 600C6' .7' ;0' 2' =57<9' 73' 0856' 73'=7C' .20' 0I.586 75D4985@' "0B09D' 73' .20' 50?0560' $! = ' # 6 ' <209' .20' .8.0' <86' 509.' 2@' D4660964996' 50?7G "A.4796' 89D' C46375.A906' 73' 0?05@' F49D' 8"" 286' =79.54;A.0D' .7' C8F0' 790' ;0"40?0' .28.' .246' =749' =79?0@0D' 2' 68.453" 8B9496.' &8""40996' <2760' <08F9066' 89D' "4..''0' 89I40.@' 8;7A.' :A;"4= C466 375.A906' =8A60D' 24C' .7' ;0' 50B85D0D' 86' 2' <7C8A' 3F20" ' 49' 2' ?05@' "09B.2@' .508.460 ' 3496420D' ;@' 589F49B' 24C60"3' 73' .20' 7:49479' 73' 85.2t"tC@' <27' 286' D0="850D' .28.' V' .2060' =7496' <050' .20' 7598C09.' 73' 8' =8;490.' 89D' .20' D06:845' 73' 89.4SA85406*U' ' 2' 0975C89.' 49' 246' = ' ' 0 ' ' ' ; + 0 ' ;86' D054D0D' 49' 38?7A5' 73' 84""89.' <27' C8496 .8490D' .28.' .246' =749' <86' 45794=8" ' C7507?05' 20' 286' 67AB2.' .7' :57?0' :A..49B' 864D0' 8".7B0.205' .20' 4C:75.89=0' <24=2' 944\2.' ;0' 8..80"9D' .7' .20

F49D' 73' =57?C' <24=2' 8D7596' .20' 208D' 73' &8""409A6' 649=0' 4.' 46' 6009' A:79' 7.2056' 73' 246' =7496 1.7' :57?0' ,' 68@' .28.' .246' =749' 8==75D49B' .7' 4.6' <04B2.' <24=2' 46' .28.' 73' .20' B7"D' =7496' 73' 76.ACA6' CA6.' 28?0' ;009' 6.5Aj²F' ;@' .246' 96A50N05 .7' .A59' 24C' 49.7' 54D4=A"0' 05.849"@' 4.' 46' ?05@' :57;8;"0' .28.' .20' =749' 49' SA06.479' 46' 68.454=8"' 4.' 46' 90=06685@' 27<0?05' .7' BA85D' 79060"3' 8B8496.' ;0"40?49B' .77' 0864"@' 49' 68.450' 86' 8e38=.' 79' C790@' 28?49B' 8' :A;"4= =45=A"8.479' 2A6' ,' ;0"40?0' .7' 28?0' 620<9' ?7"ACO' 444' N9B=' H' 49' .20' 97.0' .28.' .20' =749' 73' 8A6.498' *' <24=2' 286' 79' .20' 50?0560' ' ! ' ! ' $! ' ! ' =7A"D' 97.' 28?0' 8' 60960' <24=2' 4C:8450D' 205' 2797A5' 49' 508"4.@' 8A6.498' 49' 6:4.0' 73' 67C0' 055756' 73' .0C:0586 C09.' <86' 385' 357C' D0605?49B' 8' :A;"4= 496A".' <24=2' ;064D06' 85=A6' A50"4A6' <7A"D' 9A.' 28?0' 8""7<0D' 06:0=48""@' 357C' .20' 098.0' 86' .20' "0..056' ' =' .06.43@' A.' 2050' .20' =860' 46' 97.' .20' 68C0' &8""40996' 79"@' 496:4549B' =79.0C:.' ;0=8A60' 73' 246' =7<85D4=0' 89D' <08F9066' .20' ="84C89.6' .7' .20' 0C:450' =7A"D' ?05@' <0"" 6.54F0' 89D' =45=A"8.0' C790@' <24=2' 49' D038A".' 73' 7.205' C0896' 73' :A;"4=4.@' 0I:760D' .7' ;578D' D8@"4B2.' 8"" 246' <4=F0D9066' 89D' 4.' 46' 3A5' .28.' .28.' .20@' <7A"D' 28?0' C8D0' 24C' 54D4=A"7A6' 49' 98C49B' 24C' & 4 ' 6' .A' .20' =5A<9' 4.' 46' 89' 05575' .28.' 4.' 286' ;009' D05054;0D' ;@' C89@' 8A.2756' 86' =5A<9' 73' 0856' 73' =759' 4.' ;@' 97' C0896' 5060C;"06' 4.' 85D7A49' 286' =7964D050D' 4.' 86' =57<9' 73' B5866' 8949' "4F0<460' =""=549' <2760' C89A6=54:.' =8.8"7BA0' 0I46.6' 49' .20' ') ' ' 8 ' 286' =8""0D' 4.' ' ' ' M=57<9' 73' 500D6N' 89D' 508""@' 43' 790' =7C:8506' 4.' <4.2' .28.' <24=2' 84"7596' .20' 208D' 73' 50.2968' !Q479' .20' "85B0' C0D8""479' 73' @58=A60' 790' <4"" 600' .28.' 4.' 46' 0I8=."@' 64C4"85' 7<' =7A"D' 4.6' 68.454=8" =2858=.05' ;70' A:20"D' 49' 50B85D49B' 4.' 04.205' 86' ;049B' 73' B5966' 75' 86' ;049B' 73' 500D6' 2' 2050' <74DD' ;0' 97' D7A;.' 49' C@' 7:49479' 73' .20' =5A<9' 73' B5866' 649=0' .246' <86' =7964D050D' 49' .20' .4C0' 73' .20' #7C89' 50:A;"4= 86' .20' C76.' 2797A5G 8;"0' 73' 8""' 77F0D' A:79' 86' 2' =57<9' 73' 500D6' M86' 4.' 46N' ;064D06' .28.' 790' =7A"D' <0"" 49' D0546479' 7598C09.' .20' 2845' 73' &8""409A6' 8.' 28.' 73' 2' 9@C:2' 28;7A4""=.' F00:05' 73' .20' ') ' ' 8 ' :A..' 375.2' .20' ?05@' :"8A64;"0' 7:49479' .28.' 49' .20' 68C0' C89905' 86' .20' K0<6' 733050D' 7A.' 73' D0546479' .7' K06A6' 2546.' 2' 500D' ;@' <8@' 73' 8' 6=0:.50' M8' :5773' .28.' .20' 89=409.6' B8?0' 67C0.4C06' 89' 45794=8" C08949B' .7' .20' 500DN' .2760' <27' <4620D' .7' .A59' &8""40996' 49.7' 54D4=A"0' =7A"D' <0"" =57<9' 24C' <4.2' 500D6' 49' :"8=0' 73' "8A50"6' .' 46' .5A0' .28.' .246' 68C0' =57<9' 46' C0.' <4.2' PA:79' .2500' 7.205' =7496' 73' &8""40996' <24=2' 28?0' 375' .20' 50?0560/ 4" ' ' # ' +' 89D' * * ' :' ?44' M&8""409A6' 6.89D49B' ;0.<09' .<7' 54?056N" A.' <27' F97<6' 43' .2060' <050' 97.' 68.454=8" 8"67' 8".27AB2' "086' 7:09"@' ' 9' 6275.' <4"" 89@790' .0"" C0' 27<' .7' 0I:"849' .20' =749' 73' &8""409A6' <4.2' .246' 50?0560' $! = ' % ' # 6 ' 89D' =7C;490D' <4.2' .20' :57:05' "0B09D' 89D' 208D' 2' 7' .28.' ,' <4"" 896<05' .2*8.' 43' .20' "0B09D' 73' .20' 208D' 46' 67C0.4C06' 6054796' .4"" =57<9' 46' 9A45' ?49D' .28.' 6' 790' F97<6

.28.' 68.450O' 46' 97.' ;0BA9' ;@' 2A5"49B' 8.' 3456.' 4.6' F00906.' 6283.6' 790' C8@' :0528:6'=79G ="AD0' .28.' .2060' 07496' 2850' 37""7<0D' .20' 3 :""7<E 49B' 75D05' 73' 466A0' <24=2' <7A"D' 2850' ;009' 8' B58D8.479' 49' .2045' 68.454=8'' 64B94I08.479' ' , ' ' '' '* :' 544*' ' >' 4 " ' %*' <2050' &8""40996' 46' =57<90D' ;@' 4=.75@' ' H ' #! ' !0! !![\ ' _12' +' M.2060' 37A5' =7496' <4.2' .20' 64C:"0' =57<9' 73' 500D6N' ' ' "86."@' ' !" 3! ' ' k = ' [N' 89D' $3 $' # 6' M<4.2' .20' =57<9' 73' 500D6' 89D' .20' 98C0' 73' 00! ' 1 1 2AW % ' #*' 796.89.490' *' 49' C4"4G .85@' D5066' "89508.=D' 6.89D49B' .7' 5*' 27"D49B' 8' 6:085' 89D' 8' B"7;0' ;0.<009' .<7' =8:.4?06' 608.0D' 79' .20' B57A9D' ' 49' .20' ' :' 49*' k# ' %' 1S ' " ! ' #' %' ' 08D' 73' 796.89.490' K*' .7' 5*' "8A508.0D*' ' M, '356*N % ' # *' "40' C:0575' 49' C4"4.85@' D5066' 6.8AD49B' .7' 5*' 27"D49B' 8' 6:085' 89D' 8' B"7;0' 8.' 246' 300.' 79' 08=2' 64D0' 8' =8:.4?0' 608.0D' ' 49' .20' ' *' *"! ' %' -' 79' B7"D' 07496' 73' 8I4C49A6' *' 8\8'M> '3506*N' ' 4=494A6' *'M> '3506*N' ' 796.89.490' *' M49' ' * *' 75' *', '3506*' W__*', '3506*N' 546:A6' M49' ' $' '['3506*N' 89D' 79G 6.89.490' *' M49' ' C0D8""479' [' 3506*' 49' ' $' > '3506*N *' *' ' ' ' F $ P *' *' *' *' *' #*' ' ' K ' ; ' + ' . ' 6 ' F $.' o P *' i %o '8'.7<9'73' &8A"' F97<9' 357C' #7C89' 50C8496' 37A9D' .2050' 89D' 357C' .20' 496=54:.479' ' ' 79' 8' 6.790' 37A9D' 8.' 4C06*' 7O' ' 20' 37""7<49B' =749' 46' 8..54;A.0D' .7' 4.'/1 1) ' *' 0.D' 73' :7""7' .7' 5*' 6 ' ' "479' <8"F49B' .7' *' 8;7?0' 8' ;589=2*') *' M F05C89' ' ' $' ' ' '# ' :*' ,[,*N ?0?0' MzN' <4.249' 8' =57<9*' 1) ' E ' *' 08D' 73' 796.89.496' 2"75A6' .7' 5*') *' M 7209' = ' + ',6.' 0D*' ?7"*' ?*' :*' >' 7*' ' 357C' * ' ' = ' # = ' '3506*N' ^600' I=?4*Q ' " %' 79' =05.849' 085"@' ;5866' :40=06' 6.5A=F' 8.' 09A648' :A"467' M 7CC609' ' 6 ' ?7"*' 4*' :' H a 1 H[' ?7"*' 4?*' :*' , ' :4*' + *' Q ' ' $' 4 ?' ' ' * ' ' 3 ' :' *', 1,[H*N' G o *' #' 75' # *' G! o '8' :07:"0' 73' &8A"*' 20' C7D0C' ' 7496' 850 1 ,*' 1) ' *' 7560' .7 5*' 8;7?0' 8<200"' 49' .20' 340"D' 8' 6@C;7"*' 6 ' ' ' "479' .7 5*' ' C797B58C' 89D' *')* >*' 1) ' *' 7560' B8""7:49B' .7' 5*' 8;7?0' 8' <200"*' 6 ' ' ' "479' .7' 5*' ' ;0249D' "7*') *' M F05C89' ' ' $' ' ' '# ' :*', a*N & *' " %' 75' Z3& ' 79' ;5866' =7496' 73' 4;054A6' 6.5A=F' 8.' 954867 1 $! ' 12_2' 4' 4@2' @1' 1 ' 27' F ' 7490DQ1 *' :34 *' ' *' #' Z$*

— — — O — — — — 9D' — 8"67' 7490D*Q' M 7209' ' + '>9D' 0D*' ?7"* 4*' :*' > ' 76*', H', ,*N ' 75' C99A6' '<86'.20' 734=0' 73':57?4D49B' 275606' CA"06' 89D':79?0@89=06' 8"79B' .20' 578D6' 73' .20' C:450' 375' :056796' .58?0""49B' A:79' :A;"4=' ;A649066*

5 " ' ' # *' <7' CA"06' 300D49B' "4;058.0D' 357C' .2045' @7F06' <24=2' 8::085'49' .20' ;8=FB57A9D' ' 49' .20' ' *' =*' "F — ' %' 1) — ' ! *' ' — — + — 9 — + ^75' + P — + + — 08D' 73' 04?8'.7' 5*' "8A508.0D*') *' *' M> '3506*N' .' 46' 0?4D09.' 357C' .246' =749' .28.' 05?8' 49' a '50"40?0D' .20' :07:"0' 73' .8"@' 357C' .246' 7::5066479' .27AB2' 246' ;47B58:2056'28?0' C8D0' 97' C09.479' 73' .20' 38=.' 6A;60SA09.' <54.056' 8664B949B' .20' C054.' 73'06.8;"46249B' :76.6' .7' 8D5489' 89D' 9.7949A6' 4A6' ;@' <27C' .20' :"89' <86' 79"@' :0530=.0D' 89D' =7C:"0.0D* ' # '600'3 E ' + '?04"0D'208D'F" " P #*' 8 ' ' *' #*' *' & # ' # *' *' F ') ' ! '$= ' 4 ' ' '$= 0 '79' 8' "08D' M&8559==4' 6 ' ', >':*' , N/1 *' ' #' *' #*' != ' +) ' ! '$= ' - ' '79' 2' "08D' M =F20"' ?7"*' ?44*' :*' H, a*N *' | *' ' 1) ' 09A6' 50B85D49B' 49' 8' C45575' 89D' 85589B49B' 205' 2845*' 08D*' M&854A==4' 6 ' ', >':*' >[*N ' M2A9.49BN' .20' 98C0' B4?09' .7' !" 0I24;4.479' 73' <4"D' ;086.6' <24=2' 379B2.' <4.2' 790' 897.205' 89D' <4.2' C09' <27' <050' =8""0D' * ' 246' <86' I 38?7A54.0' 09.05.843.909.' <4.2' .20' #7C896' M600' C4.2' . ' $' 0 ' *' 47N' 89D' 46' 50:50609.0D' 79' 38C4"@' =7496' G. o' 79' C:=' =7496' 73' 0?05A6' 89D' 858=8""8' M 8DD09' ' ' ' ' ?7"*' ', ,N O2 P 89D' "67C0' 73' .20' 79.7C48.06' M 8;8.405' = ' ' ' 4?*' 7*' ' ' 44*' 89D' 4**' 7*' 8 9. # +'2 () # : *' " %' 79' 6C8"*;5866' =7496' 73' 796.89.490' *' 6.5A=F' 83.05' 246' D08.2 1 5?6 *' - ' G o' ' *' "! %' 79' ;5866' =7496' 73' 057' 6.5A=F' ! 7549.2 1 :*' ,&# " $' M 7209' = ' + '>9D' 0D*' ?7"*' 4*' :*' H ' 76*' Ha 1 N' 9 :

Introduction

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Background

Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo. Nemo enim ipsam voluptatem quia voluptas sit aspernatur aut odit aut fugit, sed quia consequuntur magni dolores eos qui ratione voluptatem sequi nesciunt. Neque porro quisquam est, qui dolorem ipsum quia dolor sit amet, consectetur, adipisci velit, sed quia non numquam eius modi tempora incidunt ut labore et dolore magnam aliquam quaerat voluptatem.

Related Work

Ut enim ad minima veniam, quis nostrum exercitationem ullam corporis suscipit laboriosam, nisi ut aliquid ex ea commodi consequatur? Quis autem vel eum iure reprehenderit qui in ea voluptate velit esse quam nihil molestiae consequatur, vel illum qui dolorem eum fugiat quo voluptas nulla pariatur? At vero eos et accusamus et iusto odio dignissimos ducimus qui blanditiis praesentium voluptatum deleniti atque corrupti quos dolores et quas molestias excepturi sint occaecati cupiditate non provident, similique sunt in culpa qui officia deserunt mollitia animi, id est laborum et dolorum fuga.

Methods

Et harum quidem rerum facilis est et expedita distinctio. Nam libero tempore, cum soluta nobis est eligendi optio cumque nihil impedit quo minus id quod maxime placeat facere possimus, omnis voluptas assumenda est, omnis dolor repellendus. Temporibus autem quibusdam et aut officiis debitis aut rerum necessitatibus saepe eveniet ut et voluptates repudiandae sint et molestiae non recusandae. Itaque earum rerum hic tenetur a sapiente delectus, ut aut reiciendis voluptatibus maiores alias consequatur aut perferendis doloribus asperiores repellat.

Data Collection

Nam libero tempore, cum soluta nobis est eligendi optio cumque nihil impedit quo minus id quod maxime placeat facere possimus, omnis voluptas assumenda est, omnis dolor repellendus. Temporibus autem quibusdam et aut officiis debitis aut rerum necessitatibus saepe eveniet ut et voluptates repudiandae sint et molestiae non recusandae. Itaque earum rerum hic tenetur a sapiente delectus, ut aut reiciendis voluptatibus maiores alias consequatur aut perferendis doloribus asperiores repellat.

Analysis

Et harum quidem rerum facilis est et expedita distinctio. Nam libero tempore, cum soluta nobis est eligendi optio cumque nihil impedit quo minus id quod maxime placeat facere possimus, omnis voluptas assumenda est, omnis dolor repellendus. Temporibus autem quibusdam et aut officiis debitis aut rerum necessitatibus saepe eveniet ut et voluptates repudiandae sint et molestiae non recusandae. Itaque earum rerum hic tenetur a sapiente delectus, ut aut reiciendis voluptatibus maiores alias consequatur aut perferendis doloribus asperiores repellat.

Results

Ut enim ad minima veniam, quis nostrum exercitationem ullam corporis suscipit laboriosam, nisi ut aliquid ex ea commodi consequatur? Quis autem vel eum iure reprehenderit qui in ea voluptate velit esse quam nihil molestiae consequatur, vel illum qui dolorem eum fugiat quo voluptas nulla pariatur? At vero eos et accusamus et iusto odio dignissimos ducimus qui blanditiis praesentium voluptatum deleniti atque corrupti quos dolores et quas molestias excepturi sint occaecati cupiditate non provident, similique sunt in culpa qui officia deserunt mollitia animi, id est laborum et dolorum fuga.

Figure 1

Table 1

Header 1	Header 2	Header 3
Row 1	Row 1	Row 1
Row 2	Row 2	Row 2
Row 3	Row 3	Row 3

Discussion

Et harum quidem rerum facilis est et expedita distinctio. Nam libero tempore, cum soluta nobis est eligendi optio cumque nihil impedit quo minus id quod maxime placeat facere possimus, omnis voluptas assumenda est, omnis dolor repellendus. Temporibus autem quibusdam et aut officiis debitis aut rerum necessitatibus saepe eveniet ut et voluptates repudiandae sint et molestiae non recusandae. Itaque earum rerum hic tenetur a sapiente delectus, ut aut reiciendis voluptatibus maiores alias consequatur aut perferendis doloribus asperiores repellat.

Conclusion

Nam libero tempore, cum soluta nobis est eligendi optio cumque nihil impedit quo minus id quod maxime placeat facere possimus, omnis voluptas assumenda est, omnis dolor repellendus. Temporibus autem quibusdam et aut officiis debitis aut rerum necessitatibus saepe eveniet ut et voluptates repudiandae sint et molestiae non recusandae. Itaque earum rerum hic tenetur a sapiente delectus, ut aut reiciendis voluptatibus maiores alias consequatur aut perferendis doloribus asperiores repellat.

8540.400' . 3' .246' .@:0' 77=05' 79' 07.90' 73' 546:498 1 A9D05' 608.' 73' 09A6' 8' D7?0*' M *' ' 3506*' <4.279.' D7.0' ' 3506' ' *334*#' *' 89D' *' ' 89D' ' 4506*N ' 73' SA43"48' 0?058 1' 49' .20'$ '8' 6.85*' 9;2 ' *' > ' 3506*N' ' 73'KA"48' 89 658 ' M[,*' 357C' i M 3' H' 3500*' [X*' x*' 89D' *' =*N' 09A6' 27"D49B' 8' 6.8.A0..0' 89D' 8L 6=0:.50 ' 1 ' 2AD' 73' 8"79498*' 7 ' ' 34506*' * ' =*N' Y P

' +*' 09A6' 6.89D49B' .7' *' 27"D49B' 89' 8::"0' 75' 89' 8::"0' 89D' 8' 600:.50*' 1) ' ' *' A6.' 73' KA"48' 7C98' .7' 5*' [,*' MO*N' [,*' / ' M>[' 3506*N' [,*' *' 89D *' M ' 89D' H' 3506*N

8545.406' 73' .246' .@:7' 7 5' 79' =7496' 73' "89.4""8 ' M[.*' / ' ' 3506*N' ' 73'&A""409A6' k* ' ' 3506*N' ' 73' 8"79498 1 09A6' 27"D49B' 6=0:.50' 89D' =24"D' "* ' =*N ' 89D' 73' 0?05498' " ' "" ' ' 3506*N

' +*' 09A6' 608.0D' .7' ,*' 27"DG 49B' 8' B"7;0' 89D' 8' :8"C ' 49' .20' ' $' " %' 1) ' 3 ' $!O! ! ' 28 2' A6.' 73' 8A6.8' .7' ,*' [,*' / ' "\ ! ! ' 3506*N

' & # +*' 09A6' 6.89=29B' .7' Q*' 27"D49B' 8' ?4=.75@' 89D' F8949B' 79' 8' 6240"D' 8.' .20' 377.' 73' <24=2' 850' .<7' 8?0"496*' 1) p' ' 7?6 *' .46.' 73' 896.498' K*' .7' 5*' E M, ' 3506*N' [,*' M ' 3506*N' 9' .20' 6240"D' 86.75' 89D' 7""AI' MzN' 89D' ;0908.2' 67C0.4C06' 89' 49389.*' ' '

' & # +*' 0996' 608.0D' .7' ,*' 27"D49B' ?4=.75@' 89D' 6=0:.50*' 1)+' % 5 ! ' 1 1 ' A6.' 73' 8A6.498' *' .7' 5*' [.*' M ' 3506*N*

' & # +*' 09A6' 608.0D' .7"o' 27"D49B' 89' 8::"0' 89D' 8' 6=0:.50' 8.' 205' 30D.' A:4D' 6.89D49B*' 1) ' 0 !00 ' ' A6.' 73' A=4""8' .7' 5*' [,*' *' M, ' 3506*N

8540.406' 73' .246' .@:0' 7==A5' 79' =7496' 73' 0:.4C496' 0?0576' 73' @5489' 38;54=*' M[.*' , ' 3506*N 1 73'KA"48' 7C98'M E > ' 3506*' S ' =*N' 67C0.4C06' <4.2' 7;605?0' "0B09D' 4?.4 ' #! ' 82 .+' *

' & # +*' 0996' 608.0D' .7' ,*' 7330549B' 89' 8::"0' .7' 8' =24"D' 89D' 27"D49B' 8' 6:085*' 1) ' *' *' ' *' A6.' 73' &0.8' .7' 5*' ;850' <4.2' $ ' [4*' :"8.0D' 357C' i M ' 89D' = ' '

' & # +*' 0996' 608.0D' .7 ,*' 27"D49B' B"7;0' 89D' 6=0:.50*' 1) '! 0! ' # 0 ' 7*' A6.' 73' KA"48' 8A"8' .7' 5*' M, ' 3506*N

' & # +*' 0996' 608.0D' .7' ,*' 27"D49B' 8' + ' 89D' 8' 6=0:.50' 1) ' 00' # 4 ' *' # 4 ' *' A6.' 73' 5;4898' .7' *' D48D0C0D*' [4*' M ' 3506*N

' & # +*' 0996' 6.89D49B' 27"DE 49B' 89' 8::"0' 89D' 8' 6:085*' 5;4898*' [4 ' 357C' i M 3' M ' 34506*N

' & # +*' 0996' 6.89D49B' .7 ,*' 27"D49B' 89' 8::"0' 89D' 8' 6=0:.50' 8.' 205' 300.' 8' =24"D*' 1) ' ' ' *' A6.' 73' KA"48' D8C008' .7' 5*' 67C0.4C06' <4.2' D48D0C*' F ' M ' 3506*N' [,*' M=*N

' # +*' a

4C4"85' .@:06' 7==A5' 79' =7496' 73' 8"79498' " F ' ' 3506*' * 8 ' =*' * ' / ' ' 3506*' [,*' *' 89D' *',>' 89D' ' 3506*N' ' 89D' 73' 8B948' 5;4=8*' M[,*' *' [' 3506*N

' & # +*' 09AZ' 609D49B' .7 ' 27"D49B' 89' 8::"0' 89D' 8' 6=0:.50*' 1) ' ! 1 4 ' 1 ' A6.' 73' 8B948' 5;478' .7 *5 ' <4.2' D48D0C*' *' 357C' i M 3' M[' 3506*N' *' M> ' 3506*N

! ' *' % ' 0996' 6.89D49B' .7' ,*' 27"D49B' 20"C0.' 89D' 6=0:.50' M75' 8' 6:085N' 8.' 205' 300.' A:4D' 6.89D49B' ' 67C0.4C06' 49' .20' $ ' ' ' 75' 49' ."40' ' *' *' 1) ' ' ' *' A6.' 73' 8"79498' .7' 5*' D48D0C0D' <4.2' =506=09.L' * 8 9"' % ' # *+*' 09A6' <4.2' .20' 30=0' 73' 8A6.498' *' 6.89D49B' .7' ,*' 27"D49B' 8' 6C8""' 4=.75@' 89D' 2' 6:085' 506.49B' 79' 2' 20"C0.' ' 79' .20' 6240"D' #7CA"A6' 89D' #0CA6' 6A=F"0D' 2@' .20' <7"3*' 1) ' 644 h.' *' A6.' 73' 8A6.498' *' .7' 5*' -$ ' M & ' 3500*N' 2050' 850' 8"67' "85B0' ;5866' =7496' 73' 64C4"85' . :0 ' ; A.' 50:50G 609.49B' ' 20560"3' 89D' 67C0.4C06' 79' .20' 6240"D' 86.75' 89D' 7""AI' M=N*' ^ 00' $ ' 1 4 4 ' *' 7*Q ' ' # +*' 09AO' 6.89D49B' .7' ,*' 27"D49B' 4=.75@' 89D' "08949B' 79' 8' 6240"D*' 1) ' ?=4 ' *' A6.' 73' A=4"48' .7' 5*' [,*' M ' 3506*N' [,*' ' *' M, ' 3506N ' # +*' 09A6' 6.89D49B' .7' ,*' "085.444 8.B8496.' 8' =7"AC9' 89D' 27"D49B' 8' 20"C0.' 89D' 8' 6=0:.50*' R 1) ' 4 * ! # ! ' ' A6.' 73' 546:496' .7' 5*' *' MH ' 3506*N ' # +*' 0996' 608.0D' .7' ,*' 27"D49B' 2' 6.8.A0..0' 89D' 8' 6:085*' 1) ' 4 * ! # ! ' ' A6.' 73' 546:498' .7' 5*' *$*' 357C' i M 3 ' # +*' 09A6' 6.89D49B' .7' ,*' L27"D49B' 8' 6C8""' 4=.75@' 89D' 8' 6:085' 89D' "08949B' 79' 8' 6240"D' :"8=0D' 79' 2' 20"C0.*' 1) ' ! ' #! ' ' * ' A6.' 73' 858E' =8"' .7' 5 ' "8A508.0D' 75' 58D48.0D' <4.2' + ' ' 89D' =A45866*' *' 357C' i M 3' M, [' 3506*N*' [.*' M=N*' [,*' *' <4.2' 7;?*' "0B09D' ' * $ 0 ' ! ' 0.=*' M, ' 3506*N' [,*' *' M ' 3506*N ' # +*' 09A6' 6.89D49B' .7' ,*' 27"D49B' 20"C0.' 89D' 6=0:.50' 89D' "08949B' 89' 6240"D' 8.' 205' 300.' 79' 04.205' 64D0' 8' E608.0D' =8:.4?0*' 858=8""8*' [,*' MH' 3506*N ' # +*' 09A6' 6.89D49B' .7' ,*' 27"D49B' 89' 8::"0' 89D' 8' :8"C ' 89D' "08949B' 79' 2' 6240"D' ;03750' 205' A:4D' 6.89D49B' 27"D49B' 2' 20"C0.*' 1) ' # 0 ! 0 0 ' ' A6.' 73' "89.4""8' .7' 5*' *' M ' 3506*N*' [,*' *' M ' 3506*N*' [,*' *' M ' 3506*N*' [,*' *' M, ' 3506*N ' # +*' 0996' 608.0D' .7' ,*' 27"D49B' B"7;0' 89D' 6=0:.50*' 1) ' ! 0! ' # 0 ' 1 ' A6.' 73'KA"48' 8A"8' .7' 5*' [,*' M"' ' 3506*N ' ' # +*' 09A6' 6.89D49B' .7' X*' 27"D49B' 8' 20"C0.' 89D' 6=0:.50' 8.' 205' 300.' 2' 6240"D*' 1) ' ! 0! ' $ ' ' A6.' 73' KA"48' 8C608' .7' 5*' <4.2' D48D0C' $ ' / ' M ' 3506*N' [,*, ' 89D' *' M=*N ' # +*' 09A6' 6.89D49B' .7' ,*' 27"D49B' 8' 20"C0.' 89D' 8' 600:.50' 89D' "08949B' 79

[>' *

608.0D' 89D' 4=.75@' 6.89D49B' =57<949B' 205' A=4A6' 059@' 6.89D49B' :50609.49B' 89' 7"450' <508.2' M> ' 3506*N' 5 4=4 ' MZN' " O!' M,[' F 0' ' ?8547A6' .@:06' <4.2' .20' "0B09D' O*' ' ' ! #' ' " ' * ' * * " * * * * MH ' .7' [' 3506*N' ?8547A6' .@:06' <4.27A.' "0B09D' M>[' .7' H ' 3506*N' * ' V' 0B09D6' 89D' .@:06' 64C4"85' .7' .2760' 73' .20' B7"D' 88D' 64"?05' M>' .7' > ' 3506*N' 4 " * D ! ' A54A6' 09{6' 608.0D' 49' 8' S44C"54B8' 73' 0"0:289.6' MH ' 3506*N' 5866' C0D8""4796' 89D' 3456.' 89D' 60=79D' ;5866' =7496' 73' * A50"4A6' 89D' 05A6' M ' 3506* 1 , ' 3506*N' 89D' &500F' 07496' 73' A50G "4A6' 8A6.498' * ' 89D' A04A6' 0576' 6.5A=F' 8.' 8B8"8668' 89D' 73' 4A0"4A6' A=4A6' 05A6' 9444A6' 0496' 89D' 7CCADA6' 6.5A=F' 8.' @576' 850' 49' 0646.0A00*

7496' 73' A=486' 05A6' <050' 6.5A=F' 49' R.20' 37""7<49B' =7"79406'E1 70"8' 205679=64' 86689D508' 800D794.0' 7549.2446' 89D' L8.586' =28480' 854AC' "@6460' 85"g46' @=879484' 9.47=248' 464D460' C68508' 8C85468' 4"48' 8:4.7"498' KADC84' 89D =5@.96' ;7=94=4.0' B0906' 58""@' <4.2' 208D' 73' * A50"4A6* $ * V+ 1 * * + ' + ' 75' 67C0.4C06' 5 # ' M49' C797G B58C\' + ' 8' =7A9.05EC85F' 73' 350SA09.' 70=A5509=0' 79' 38C4"@' '97.8;"@' .20' F 7 ' ! ' F ' ' 8 ' 89D' ' 38C4"406* M 7CC609' ; ' 6 ' ?74* 44*' : :* H , ' H ' ' ' =3* * 82530"D.' ' ? ' + h ' $'6 ' Q9 ' 49' .20' u $' $ ' ' ' ?74* 444*' : :* H[1 H N' ' 89D' 79' "0B47985@' ' 73' * 9.79@' 89D' =7496' 73' ABA6.A6' 20' =7A9.05G C85F6' * * " + ' 4) % 89D' ! #' ' 86' <0"" 86' ! #' 5 ' <050' 6.8C:0D' ;@' .20' 85C@' 73' @548' 89D' 5 # ' ;@' .20' 85C@' 73' "=0648' 8"<8@6' 79' .20' :75.584.' 73' 057' M 0975E' C89.* ' ' ' 0 ' ?74* 44*' :* H N' ;A.' 86' 8' 5A"0' .20' =7A9.05C85F6' <0 0' :"8=0D' .7' 8?74D' .20' ;08D' 73' .20' C:0575* 7A9.05G C85F6' =0860' B09058""@' 8;7A.' .20' 504B9' 73' 06:8G 6489* * " + % ' 79' =7496' 73' 06:86489' 73' 06:86489' <4.2' 4.A6' 95 A' 89D' 7C4.489' 73' 7C4.4""8' * 6.5A=F' 83.05' 205' D08.2' 89D' 73' 4.A6*

* 75' ~* G! 90 * ! + ' " $ $ ' 5 #' ' * ' ' + ' ! + ' $ ' 79' =7496' 73' 06:86489' 1 5 ' 5 #' O!$ *!' ! #' ' ! + ') ' + ' 79' =7496' 73' 06:86489' <4.2' 4.A6' 89D' 7C4.489' / 5 #' ' $! ' " % ' " 7 ' ! + ' ') ' MZN' ' M 4.A6' 89D' 7C4.489' 6.89D49BN' 79' =7496' 73' 06:86489' ' ! #' ' " ' ! !' 5 #' ' 5 ' C" ' + ' ' ' ' ' ' ! + D ' =*' 79' =7496' 73' 7C4.4""8' * ' 6.5A=F' .7' 205' C0C75@' ;@' 4.A6' 4 2 ' ! !' F 5 P' 5 #' ' C" ' ' . ' G 0' ! + ' $ ' =*' 79' =7496' 73' 7C4.489* * ! + 1 4?7' * 5 # * * S*' * . ' ' ! + ' F ' ! + 0 ' 6 ' 79' =7496' 73' 06:86489' 6.5A=F' 83.05' 246' D08.2' ;@' 4.A6' 49' * * H ' !

* * . ' ! + ' 79' 64"?05' C0D8""479' 73' 7C4.489' 6.5A=F' 49' 648' 49' ' * * ' ! + % ' 79' =7496' 73' 06:86489' 89D' 4.A6*

* " ! + % ' 79' =7496' 73' 06G :86489' 89D' 06:86489' <4.2' 4.A6' 89D' 7C4.489* * * ! + ' * * " % ' * " % ' * * " + ' ! + % ' ' 2 ' (' " ') ' + ' ! + ' 79' =7496' 73' 06:86489' <4.2' 4.A6' 89D' 7C4.489* * ! + ' ! ' 5 = ' # 6* :* S* * . ' ' 7 ' F ' ! + 0 ' 6 ' 79' =7496' 73' 06:86489' 6.5A=F' 83.05' ;46' D08.2' ;@' 4.A6' 49' * A" 2..* * * " % ' K % ' 79' =7496' 73' 06:8G 6489' M ' A570N' 89D' 73' 4.A6' 6.5A=F' 8.' 497:0' 8:2"8B794.0' M 7209' ' + ' >9D' =D* ?74* 4*' :* H' 7* *N * ! + ' ! # ' " * * $' 7 1 ' 1 2 (' P B ' + ' '"9 ' . ' ! 7 ' ' 79' =A4A6' 73' 4.A6* * ! + ' (' " ' 4 * * + ' ' ! + ' ' 79' ;5866' =7496' 73' =6N76499' 6.5A=F' 8.' 86689D508' 8=0D7944' M 7209' ' + ' >9D' 4D* ?A"* 4* :* > ' 7* [H*N ! + ' ! ' C7.205' 73' 06 486489* 7' =A4A6* * * " ! + - ' AA' =A4A6' 73' 06:86489' 844D 4"448* * 06:86489' 6.89D49B' .7' ,* 49' C4"4.85@' D5066' 584649B' 5* 289D' 89D' 27"D49B' 8' p(2)' 1) ' 7' "0B09D* 08D' 73' .20' 6A9' 38=49B' 58D48.0D* ' M>[' 3500*N

' M "8?496N' #7C89' C:0575' 357C' * * 1 a' <86' ;759' 49' .20' =7A9.5@' 73' .20' 8;4906' * a' 246' 38.205' ;049B' "8?496' 8;49A6' 8' C89' 73' "7<' 0I.58=.479' 89D' ;46' C7.205' 06:8648' 7"48' .20' D8AB2.05' 73' 8' ! $ ' ' ' A549B' .20' 504B9' 73' "8AD4A6' 20' <86' :"7@0D' 49' 8' C4"4.85@' =8:8=4.@' 49' &05C89@' 89D' 49' .20' 6"0' 73' (4B2.' 89D' A9D05' 057' 20' <86' C8D0' 57=7967"* 73' 354=8' 89D' <209' .20' KO<462' <85' ;57F0' 78.' 49' * ' 20' <86' 609.' ;@' 057' .7' .20' 86.* 0' =79.4990D' .20' KO<462' <85' DA549B' .20' 6.5ABB"06' ;0.<009' &8";8' .27' 89D' 4.0""4A6' 89D' .7<85D6' .20' 09D' 73' * * a' 79' .20' D08.2' 73' .27' 20' <86' :57="84C0D' C:0575' 8.' "0I89D548' 49' K4D=08' 89D' 6779' 83.05' * * * N' 79' .20' D08.2' 73' 4.0""4A6' 8.' #7C0* 9' * ,' 246' 679' 4.A6' <27' 28D' ;009' "03.' .7' :5760=A.0' .20' KO<462' <85*

P

.20' 8:4.7" ' 67' .28.' 4.' C4B2.' 97.' ;0' "8<3A"' 375' 89@' 73'.20'.54;A906'.7'49.053050'89D'375;4D'4.*

! '8' :07:"0' 73' =09.58"' .8"@*' 20'3456.' C09.479'73'.20C'49'246.75@46<209'.20@'=79="AD0D' 89'8""489=0'D4.2'.20' 9C94.06'8B8496.' #7C0'49' * * > ' ;A.' <050'D0308.0D*' 9' *A*' ,'.20@' =79="AD0D'8'.508.@'<4.2'.20'#7C896'89D'50C8490D' 384.23A"' .7' #7C0'.4""' .20' 7=48"' (85'49' *7*' * 20@' <050' 8B849' 50DA=0D' .7' 6A;C466479' 89D' 50=0450D'.20' #7C89' 589=2460*' 20' 37""7<49B' =7496' 850'8..54;A.0D'.7'.20C'M 7CC609' 5' - ' 7"#44 ' :*' ['D '?' $'1 ?' ' a' ' * ' ' .8"@' :* HN/L 6' B5850*' ' <4.2' 4' F ' <4.2' 'A 8 ' <4.2' '4 F ' <4.2' # * ' # ' ' ' ' ;5866' C0D8""4796' 73' 546:96'89D' 796.89.490' * * ! '$ (' 4*'5*' 4 45* ' '- ' ! ' . ' ! ' 79' 8' "85B0' ;5866' =749' 73' K9;8' *' 6.94=F'8.'n8C8' A584D460* M 79.F7<6F4' . ' ' 0 ' .'/ ' ++' WAPUWA D * ! ' 4 2 ' ' F ' 89D' ' 7490DQ' 75' # ' * * * * * F # 89D' * 7490DQ' ""?4# 79';5866' =7496' 73' ABA6.A6';6.5A=F'8.' C685' ABA6.8' 46:894C*' M 7209' ' + '>9D'0D*'?74*4*' : :*, [H', [' 76* [E N*' F05C89'$' ' $' ' ' ' # ' :* HN' B4?06'8'64C4"85' "0B09D'79';5866'=7496'73' 8496'89D' 9=496' 60685* * ! ' =*" $*!'^94' 7490DQ' S?4 * ,*" 4' * #' =*' =*' 79';5866'=7496'73' 4;054A6'6.5A=F'8.' 40685' ABA6.8' 46:894C* M 7209' = ' + '>9D'0D*' 7"*4*' :*, a ' 7* , aN* # * % ' ' ' . ' 4 4*' '79'"85B0';5866'=7496'73' 8D5489* # '<27'=7CC89D0D'.20'"0B4796'4A' ""@548'89D' 8997948'8.'.20'C95D05'73'M796.896' ;@' 8B909.496' 49' ' [' 37""7<0D' .20' 0I8C:"0'73'.246'A6A5:05'89D'866AC0D'.20':A5:"0' 8.' 45C49C*' 796.89.496' *' C85=20D' <4.2' 246' 85C@' .7' C00.' 24C ' 89D' 79' 8' :"849' 9085' 05D4= 4' 796.8934A6' *'8::08"49B'.7'.20' 860' .0C;"0D' 85C406'.28.' 20' <86'8' 679'73'.20'B508.' 796.89.490' 0.584447'.77F'733'246'D48D0C'89D' 8;D4=8.0D*' 796.89.496'.508.0D'24C'<4.2'F49DG 9066' 89D' 8""7<0D' 24C' .7' 50.450' .7' 5768' 49' 4.2@948' <2050' 20' 6:09.' .20' 50C84949B' 64I' @0856'73'246'"430*

20' 37""7<49B'=7496'<050'6.5A=F'DA549B'246' 6275.'504B9'73'.09'C79.26'41

4 ' '

A' 1) ' *' (* 5 ' *' *' * # /! 4* */)2% !'/!') '"2%)*2/*,' + ' 2%,' *%)2 ' 6 ' $ 0 *' * !%5$0!" ' */)2% !'&2"' %-'/!'A' !", %-'/ *') ' !%

*

<24=2' 89D'6:085'89D'=57<90DO';@' 4=.75@' 27"D49B'8' :8"C' <27' 46'37""7<49B'24C' ' 49' .20' ' ' $F -' ' M" ' 3500*N

F ' '

>*' 1) ' 8C0' "0B09D*' A6.'73' 0.58947'.7' 5*' D48D0C0D' <4.2'+ 6 ' #' # *' 0.58947' 6.89DG 49B'49'C4"4.85@'D5066'27"D49B'.20') ' 89D' 8'6C8""' 4=.75@'79'2'B"7;0' 49'.20'$ ' % "' 89D'8'6.85' 49'.20' ' " ' "' ' + -' #*' 357C' i ' MH ' 3500*N * 1) ' 8C0' "0B09D*' A6.'73' 0.58947' .7'5*'"89508.0D'<4.2'+ '89D'=A45866*' 6 ' # ' * 4=.75@' <8"FG 49B'.7'*'27"D49B'2':8"C'89D'2'.57:2@' 49'.20' ' '646*"F %' 67C0.4C06'37""7<0D';@'2' =506=09.'89D'8'D7.*' ' M ' 3506*N

* ' '

* 1) ' 8C0' "0B09D*' A6.'73' 0.58947'.7' 5*' "89508.0D'<4.2'+ '89D'=A45866*' 67C0.4C06';0249D'.20' 208D' * 89D';03750'2' 6.85*' 6 ' " " * ! ' !0! 5 ' 0.58947' 6.89D49B' 49' C4"4.85@'D5066'.7',*' 27"D49B'.<7') ' ' 7?05'246'208D'8'6.85*' 49'.20' ' *' "F -' 75' ' " -' *D * *' M> ' 3506*N * 1) ' 8C0' "0B09D'89D'.@:0* 6 ' 0 *!' ' 0.58447'6.89D49B' 49' C4"4.85@' D5066'.7'*' 27"D49B'2') ' 8AD'8'6=0:.50* D * *' M ' 3506*N * 1) ' 8C0' "0B09D' 89D' .@:0* 6 ' 6. ' #' #46*' 0.58947' 6.89D49B ' C4"4.85@'D5066'.7',*' 27"D49B'.20') ' 89D' 8'6:085'89D'=57<90D';@'8' 40.75@' 27"D49B'8' :8"C' <27' 37""7<6' (C' 49' .20' ' ' "F -' *' M>['3500*N * 1) ' 8C0' "0B09D' 89D' .@:0* 6 ' 6557# * 0.58947' 6.89D49B' 49' C4"4.85@'D5066'.7'5*' 27"D49B'8'6:085'89D'8'B"7;0' 89D' :"8=49B' 246' 377.' 79' 8' 608.0D' =8:.4?0* ' *' M ' 3506*N * 1) ' 8C0' "0B09D' 89D' .@:0* - ' + # ' " 7' 1' + * 0.58G 947' 6.89D49B' 49' C4"4.85@' D5066'.7',*' 27"D49B' 8') ' 89D' "08949B' 79' 8' 6240"D' ' 49' .20' ' * 75' * " %' *' M> ' 506*N ' ' *' M ' 3500*N 20' 37""7<49B'=749'46'B4?09';@' 89D954*' 1) ' # 47' * * 08D' 73' 0.58947';850' 89D';085D"066*' 6 ' % 0' #' * # * ! ' 0.58947' 27"D49B' 8' ;85;85489' 608.0D' 79' .20' B57A9D ' ' ' ' '"- -' ' *' M ' 3500*N 20' "0B09D' 05 $' * !%5$0! $' M 7*',N 46'90<'89D'79"@'7==A56'79'.20'=7496'73' 0.58947* 5F20"*' <54.06'". ' F ' ! ' 7"?444*' :*' ,> N' T'8;'057D4.46'8C'06.'7;605?8.9C' 7=8;A"8' F ' ' 8' 2546.48975AC' D46=4:"498' 0.' H*' 8.54;96' 49?09.8' :57' SA7' C0"4A6' 8.490' D4=06' ' 20' "0B09D' A0'64 ' !" *' *! '<86'3456.' 466A0D'99D05' 796.89.496' *' 89D'8"67' 7==A56'79' .20'=7496'73' 796.89.496' 8""A6*

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<24=2' 89D'6:085'89D'=57<90DO';@' 4=.75@' 27"D49B'8' :8"C' <27' 46'37""7<49B'24C' ' 49' .20' ' ' $F -' ' M" ' 3500*N

F ' '

>*' 1) ' 8C0' "0B09D*' A6.'73' 0.58947'.7' 5*' D48D0C0D' <4.2'+ 6 ' #' # *' 0.58947' 6.89DG 49B'49'C4"4.85@'D5066'27"D49B'.20') ' 89D' 8'6C8""' 4=.75@'79'2'B"7;0' 49'.20'$ ' % "' 89D'8'6.85' 49'.20' ' " ' "' ' + -' #*' 357C' i ' MH ' 3500*N * 1) ' 8C0' "0B09D*' A6.'73' 0.58947' .7'5*'"89508.0D'<4.2'+ '89D'=A45866*' 67C0.4C06';0249D'.20' 208D' * 89D';03750'2' 6.85*' 6 ' " " * ! ' !0! 5 ' 0.58947' 6.89D49B' 49' C4"4.85@'D5066'.7',*' 27"D49B'.<7') ' ' 7?05'246'208D'8'6.85*' 49'.20' ' *' "F -' 75' ' " -' *D * *' M> ' 3506*N * 1) ' 8C0' "0B09D'89D'.@:0* 6 ' 0 *!' ' 0.58447'6.89D49B' 49' C4"4.85@' D5066'.7'*' 27"D49B'2') ' 8AD'8'6=0:.50* D * *' M ' 3506*N * 1) ' 8C0' "0B09D' 89D' .@:0* 6 ' 6. ' #' #46*' 0.58947' 6.89D49B ' C4"4.85@'D5066'.7',*' 27"D49B'.20') ' 89D' 8'6:085'89D'=57<90D';@'8' 40.75@' 27"D49B'8' :8"C' <27' 37""7<6' (C' 49' .20' ' ' "F -' *' M>['3500*N * 1) ' 8C0' "0B09D' 89D' .@:0* 6 ' 6557# * 0.58947' 6.89D49B' 49' C4"4.85@'D5066'.7'5*' 27"D49B'8'6:085'89D'8'B"7;0' 89D' :"8=49B' 246' 377.' 79' 8' 608.0D' =8:.4?0* ' *' M ' 3506*N * 1) ' 8C0' "0B09D' 89D' .@:0* - ' + # ' " 7' 1' + * 0.58G 947' 6.89D49B' 49' C4"4.85@' D5066'.7',*' 27"D49B' 8') ' 89D' "08949B' 79' 8' 6240"D' ' 49' .20' ' * 75' * " %' *' M> ' 506*N ' ' *' M ' 3500*N 20' 37""7<49B'=749'46'B4?09';@' 89D954*' 1) ' # 47' * * 08D' 73' 0.58947';850' 89D';085D"066*' 6 ' % 0' #' * # * ! ' 0.58947' 27"D49B' 8' ;85;85489' 608.0D' 79' .20' B57A9D ' ' ' ' '"- -' ' *' M ' 3500*N 20' "0B09D' 05 $' * !%5$0! $' M 7*',N 46'90<'89D'79"@'7==A56'79'.20'=7496'73' 0.58947* 5F20"*' <54.06'". ' F ' ! ' 7"?444*' :*' ,> N' T'8;'057D4.46'8C'06.'7;605?8.9C' 7=8;A"8' F ' ' 8' 2546.48975AC' D46=4:"498' 0.' H*' 8.54;96' 49?09.8' :57' SA7' C0"4A6' 8.490' D4=06' ' 20' "0B09D' A0'64 ' !" *' *! '<86'3456.' 466A0D'99D05' 796.89.496' *' 89D'8"67' 7==A56'79' .20'=7496'73' 796.89.496' 8""A6*

L& # ' :"0;0489' 38C4"@# 20' 37"'G "7<49B' =7496' 850' 8..54;A.0D' .7' 4./1
,# 1) ' 08D' 73' KA:4.05' .7' 5* ' "87508.0D' ;0249D ' 8' "0..05' 73' .20' 8":28;0.# 6 ' (' $! ' "#) 'F) %' 40.75@'=57<949B' 8'.57:2@' 49'.20' ' %# ' -'8' 49' .20 40h53' 8' "0..05' 73' .20' 8":28;0.' 86' 79' .20' 7;?0560# 4# / ' " % M 7209' h=53# ' ' 7# ,*' 7CCG 609' '6 ' ?7"# 44*# 7# , [*N

># 1) ' # 08D' 73' 8.496' .7' 5* ' ;850' ' 49' 3579.' ' " %' 89D' 6# =*' "F ' ' 8 -' 6 ' $ %' ' ';-' 8;7?0'! 6 ' 8"0' 34BA50' 49') ' ',*' 27"D49B' .20' 50496' 89D' 8' 6=0:.50' ';0249D' 89' 085' 73' =759# .*' M,>' 3506*N' M 7209' 7# >' ' 7CC609' 7# HN*
20' A;"4A6' 8;49A6' C09.4790D' 79' 7# ,' 46' 89' A9F97<9' :056798B0' ;A.' :57;8;"@';0"79B0D'.7' .20' ' 86'.20' + '#) ' 89D' 'F) '<050' 73.04"# ;7590' 8;7A.' .20' .4C0' M *=*' , E N'.28.'.246'=74A' CA6.' 28?0';009' 466A0D'# M 75B2064' . '"4*' ' ", ' +Q' ?74# 44*' :' > *N
20' 4.A6' 0..4A6' 8;49A6' 79' 7# >' 46' :57G ;8;"@' 4.A6' 0..4A6' :500.75'49' $ " ' [a' C09.4790D' ;@' 4=057' "1 '+ '!K 'H *N' .' 600C6' 86' 43' .20' C790@05' =7A9.0D' 246' D06=09.' 357C' .20' 8;4906' 89D' .2A6' .77F' 86' 8' .@:0' 8' :75.584.' ' 8.496' F49B' 73' .20' 8;4906# 6' .7' +' .2050' 46' 8' D433=A".@# .046' .27AB2.' .28.' .20' <75D' 46' 97.' :85.' 73' .20' 98C0' 73' .20' C790@05' ;A.' 503056' .7' .20' .@:0' 89D' .28.' :0528:6' .2050' 46' 2050' 50:50609.0D' 8.496' 75' 44C8' 86' ADB0' 89D' F49B' 49' 246' =28547.' M 7CC609' '6 ' ?7"* ,,*' :# [> N' 89' 7:49479' 8:57?0D';@' .20' "8.0' 8?0E' D794' " ' ' + ' ' ' ' ' :# > ' 7D098' , ,*N' =F20" ". ' ' ' ?74# ?*' :# HH N' C09.4796' 8' :A54A6' 0..4A6' <27' <86' '89D' :A.' 4.' .7' .20' ?7.0' <20.205' AC8' 627A"D' ;0' '49B' M 49.*# %
T' 7C0' C7D0C' <54.056' 28?0' C849.8490D' .28.' 49' 8"" .2760' :8668B06' <2050' C09.479' 46' C8D0' 73' .20' # 0..4A6' <27' B8?0' 49375C8.479' =79=05949B' .20' =796:458=@' 73' 8.4"490' <4.2' .20' 6A598C0' .28.' <0' 7AB2.' .7' 508D' - ':' ;A.' .246' 7:49479' 285D"@' 900D6' 503A.8.479' 86' 4.' 46' ="085' .28.' 20' <86' =8""0D' '357C' B4?49B' 49375C8G .479' " % 506:0=.49B' .20' =796:458=@ 1' =7C:# 4=# ' ' *' > ' 0..4A6' 4""0' 34"0' 976405' a9' M C4.2L6' . ' $' * ' ?7"* ,,*' :# H *N
(4.2' 506:0=.' .7' .20' "0..056' 6# =*' 7CC609' 286' 627<9' " '6 ' ?7"# 44*' :# [N' .28.' .20' =7496' 73' .20' #7C89' #0:A;"4=' 79' <24=2' 8' 98C0' 7==A56' <4.27A.' 89@' .4."0' ;A.' 37""7<0D' ;@' .20' 375CA"86' ' $' 6# "* ' F ' F - ' # 6# =*"#) '75' !) ' 'F ' 8 -' [' [

75' 64C:"@' 6# =*"F ' ' 8 % <050' 97.' 466A0D' ;@' 790' 73'.20' 50BA"85' C790.85@'.54AC?456' ';A.' ;@' 67C0' :05679' =285B0D' <4.2' 89' 01.5875G D4985@' =7CC466479' M=3# 0975C89.' +8' ' 9 0 3 B 9+)B % ' # # ' .*' 4 '9?56' =*' =*' # 9' ;5866' =7496' 73' 4;054A6' 6.5A=F' 8.' 60685' ABA6.8' 46:89460# M 7209' ' + '>9D' 0D*' ?7"# 4*' :' :*,a E,aa' 76# , E' A W
' +' F ! '& P
' 75' ' 790' 73'.20' .<0"?0' :549=4:8"# =4.406' 73' .5A548*' 20' 4D09.434=8.479' 73' 4.6' 64.0' 46' A9=05.849# M C4.2' . ' $'1 ' ' % 20' 37""7<49B' ?' =749' " 7' 46' 8..54;A.0D' .7' 4.' M 7CC609' '6 '3 B' 4*' :' :*>>,' >> ' H N/1 1) ' 7A9B' 208D' 73' 05=A"06' ! ' 6 ' 54D09.' ;0.<009' .<7' D7":2496' ! ' < ' * * * * * ' 49' .5A6=89' =2858=.056*# * H*
*' 75' *' ' F $! ' $ $ I
'& # 9' 89=409.' 89D:8.54=489' 38C4"@# ==75D49B'.7'.58D4.479' 790' 73'.20' 38C4"@' 8CA54A6' 0.A54A6' "4?0D' 8.' .20' .4C0' 73' AC8' 89D' <86' .20' 85C7A505' <27' C8D0' .20' 0"0?09' '75' 68=50D' 6240"D6' "4F0' .20' 790' 609.' 357C' 208?09' F "!0! P' 20' 37""7<49B' =7496' 850' 8..54;A.0D' .7' 4./1

,# 1) ' *' 3*' " ' %' A6.' 73' 856' .7' 5* ' 20"C0.0D' ' ;0249D' +' " %' 6 ' # <7' 67"D4056' 27"D49B' 8' 6:085' 89D' 8' 6<75D' .7A=249B' <4.2' .2045' 6<75D6' 8' :4B' <24=2' 46' 20"D' ;@' 8' C89' F900"49B# Ra,# MH' 3506*N
># 1) ' 08D' 73' 05=A"06' .7' 5* ' =7?050D' <4.2' .20' 6F49' 73' 8' "479' ;0249D' W' ! ' ! ' 6 ' 4*' '. '! ^75' '. ' *Q' # " ' '* % ' .54B4"# 89D' ?860' =79.84949B' :053AC06# -* ' / ' M,>' 3.06*N' M 7209' - ' 7_<* 76# ,' 89D' > ' 7CC609' ' 6 ' ?7"# 44*# 7#
20' .@:0' 73' 7# ,' 46' 6A::760D';@' 7CC609' " ' 6 ' ?7"# 44*' :# N' .7' 50=8"" 04.205' .20' 2AC4"48.49B' .508.@' <4.2' .20' 8C94.06' C8D0' ;@' .20' =796A"6' # 0.A54A6' 8"?49A6' 89D' :# 76.AC4A6' ";49A6' 83.05' .20' D0308.' 73' .20' #7C89' 8558@' 8.' .20' 8AD490' 75F6' "! ' % 49' *=*' H>,' 75' .20' .508.@' =79="AD0D';@' .20' 68C0' =796A"6' 49' $ " ' HH ' <4.2' .20' 8C:894896' 89D' 8C94.06';A.' 0975C89.'" ' ' 0 ' ?7"# 44*' :# > HN' 50 0=.6' .20' 375C05' 6ABB06.479' 86' C76.' A9"4F0"@' F# P' 20' 68C0' .@:06' 73' ;7.2' 7;?0560' 89D' 50?0560' <050' 50:57DA=0D' 79' .20' =7496' 73' .20' 7=48# (85' 9$ " ' a E ,N' 89D' 8' 64C4"85' 50?0560'.@:0' 7==A56' 79' .20' ' 73' .0"" 8' 89D' 8:A8' 8C:89400' " ' $ " ' > E' !))

2060' =7496' 850' 8..54 ; A.0D' .7' .20' 38.205' 73' # 4 ; 4A6' 8968 ' 73' <27C' 4.' 46' 79"@' F97<9' .28.' 20' <86' :5764l54 ; 0D' 2@' A""8' 49' *=# >E ,*

* * #' ,# 8 +' # 08D' 73' 8==2A6' 73'8 ; 8==289.0' .7' 5* ' =57<90D' <4.2' 4?2@' 89D' M.58 : 06* =#' ?4 4?60*# # # "' ') ' ' ' ! ; ' ' + % 0506 ' =57<90D' <4.2' 085' 73' =759 ' <8"F49B' .7' 5* ' 27"D49B' .<7' .75=206' R 49' 3579.' 2' :"7AB2E62850*# *$ *' M=*N

1) ' 8C0' "0B09D' 89D' .@ : 0*# ; + M, ' 3506*N' M 7209 ' = ' ' ' 7*# > ' ' = ' + ' >9D' 0D*' ?7"*# 4*' :*# H ' 7*# *N 8C0' "0B09D*# 0506' 49' 8') ' 73' 605 : 09.6' 27"D49B' 8' .75=2*# .*# MH' 3506*N

;?*# # 085D0D' C 86F' 73' 89' .7' 5* ' 67C0.4C06' <4.2' .20' + 'M620 : 205DL6' =577FN' ; 02490*# ; ' =*?4 4?60*# #' =*# #' "7?48' 6 $ ' KA : 4.05' l4.5' 58D48.0D' 608.0D' .7' ,*' 27"D49B' 8' + ' 89D' 8' 6 : 085*# *H *# M>' 3506*N

1) ' 08D73 050A5@.75*' <4.2' <49B0D' : 03864 ' M=8 : *N' ' =*# ' "' ' ! ' 75.7460' 89D' ' * 4*# F ' M, ' 3506*N

[*# 1) ' 4 46*# 08D' 73' 4 ; 05.@' .7' 5* ' "8A508.0D*# 6 ' =*# # ' ' % ' ' "' ' # ' ' ! ' ' + % ' #7C0' 20"C0.0D' 608.0D' 79' 6240"D6' .7' 5 ' 27"D49B' 8' + ' 89D' : "8=49B' 790' 73' 205' 300.' 79' 8' B"7 ; 0' ; 0.<009' 205' "0B6' 8' : 40=0' 73' 84' C AA5 ' .7' 5*#' 4=.75@' =57<949B' 205*# M 7C0.4C06' 97' "0B09D' 79' .20' 50?0560N*# "*# M ' 3506*N

*# 1) ' *# 085D0D' 498*WF' 73' 89' .7' 5*# 6 ' 4 4 ?6' $ * ' % ' "- -' <7' 289D6' 7490D' 27"D49B' 8' <49B0D' ' R#* M ' 3506*N' M 7209 ' = ' ' ' 76*# , E>>' ' 7CC609 ' ' 6 ' ?7"*# 44*' : *# [*N

2060' 64 l' =7496' 850' 8..54 ; A.0D' .7' 84A6' 4 ; 4A6' 8968 ' =796A*# <4.2' *# 46.4A6' 49' $ " ' H ' 89D' <27 ' .7B0.205' <4.2' 46.4A6 ' : 054620D' <2*"6 ; ' 09B8B0D' 8B8496.' *# 9.79@' 9085' A.498' 49' : 54*# 73' .20' 68C0' @085*# 0

75' KA : 4.05' lA5' 79' 7*# H' 600' 6 $ ' 20' ; 085D0D' C86F' 73' # ' 79' 76*# H' 89D' ' D7A ; ."066' 8""AD06' .7' .20' 6A598C0' 73' .20' C790@05 ' # ' M =F20"' # ' ' ' ?7"*# ?*' :*# H *N

20' "0B09D' $! $ ' ' 79' 7' [' 89D' .20' =749' 7*# ' 6.5A=F' =79 749."@' <4.2' 0=4CA6' 5A.A6 ' ; 085' 8""A6479' .7' .20' D08.2' 73' KA"4A6' 6068=5* 0=4C76' 5A.A6' <86' 8D7 : .0D' ; @ "DA6' 76.AC4A6' "; 4996* .' 46' <75.2@' 73' 97.4=0' .28.' 5A.A6' 46' =8""0D' 79' 246' =7496' "; 4976' 73' 5A.A6' 496.08D' 73' 5A.A6' 73' "; 4986*

=# H >*# ,*# 1) ' 08D' 73' 05=A"06' .7' 5* ' "8A508.0D*# 6 ' =*# "' % ! $! ' ' 3 ' 8""86' 6.89D49B' 27"D49B' 8' 6 : 085' 89D8' 4=.75@' 8.' 205' 300.' 8' 6240"D*# *' MH' 3506*N

>*# 1) ' 08D' 73' 8==2A6' .7' 5* ' =57<90D' < 4.2' 4?@' 89D' B58 : 06*# 6 ' =*# ! $! ' $ ' 89.205' C7A9.49B' A :' .7' 89' 8".85 ' 79' <24=2' 8' C86F' 73' 89' 89D' 8' .2@56A6*# ' M>' 3506*N

H*# 1) ' A6.' 73' 8""86' .7' ,*' <4.2' 6240"D' 89D' 6 : 085*# 6 ' =*# ! $! ' ' ' 0C0646 ' <49B0D' 6.89D49B' .7' 5* -$ ' M ' 3506*N

 # 1) ' A6.' 73' 8""86' .7' 5 ' <4.2' ' 6 ' =*# ' *# 05=A"06' 98F0D' 6.89D49B' .7' ,*' 27"D49B' y="A2' 89D' 8' "479L6' 6F49*# K*# M[' 3506*N

 # 1) ' 08D' 73' 0996' .7' 5 ' "8A508.0D*# 6 ' =*# ' *# 09A6' 28"3E98F=D

[4 ">

6.89D49B' 9085' 8' =7"AC9' 89D' "77F49B' 49' 8' C45575 ' <24=2' 620' 27"D6' 49' 205' 289D*# *# M ' 3506*N

' 64"?05' =749' 73' .246' .@ : 0' 46' B4?09' ; @' 47990.' 8AD' ' 40=4A* ; A.' 7"4A9' 286' 90?05' 6009' 4.' 89D' 43' 4.' 0l46.6' 4.' 46' 73' .20*# B508.06.' 585 3@*# M 7209 ' = ' ' ' 76*# >HE> *N

*# 1) ' 08D' 73' *# 9.79@' ; 085D0D' .7' 5*# 6 ' =*# ' *# 0C8"0' 6.89D49B' .7' ,*' 27"D49B' 8' 6C8"*# 4=.75@' 89D' 8' =759A=7 : 460*# 4*# 8""86' 6.89D49B' 27"D49B' 8' 6 : 085' 89D8' 4=.75@' 8.' 205' 300.' 8' 6240"D*# *' MH' 3506*N

 # 1) ' 08D' 73' =.8?489' .7' 5 ' ; 850*# 6 ' ' ' *# 09A6' 6.89D49B' .7' ,*' 27"D49B' 8' 4=.75@' 89D' 8' =7CA07 : 440*# "*# M> ' 3500*N' M 7209' c = ' + ' >9D' 0D*' 7"*# 4*' :*# , >' 7*# Ha*N

 # 1) ' 8C0' 86' 7# *# 6 ' *# ?464?8' *# 8""86' 6.89D49B' .7' 5* ' ; 7"D49B' 8' 6 : 085' 48.' 205' 300.' 8' 6240"D*#) *' + ' M 7209' = ' ' ' 7*# >a ' = ' + ' >9D' 0D*' 7"*# 4*' :*' , >N*

a*# 1) ' =*# ' 444 4 ' *# :*# 7*# "' ' K / ' ' 6 +) ' m' 8C0' .@ : 0' 86' 7*# *# 6 ' =*# ? 4 4?8 # *# <7' 289D6' 7490D*# ' M ' 3506*N' M 7209' = ' + ' >9D' 0D*' ?7"*# 4*' :*# , >' 7*# *N

, *# 1) ' *# ' 444?4#*# *# :*# *# 08D' 73' 0 : 4D96' .7' ,*' ; 850*# 6 ' =*# 4 4?8 *# 8C0' .@440' 86' 7*# a*# *# M> 3506*N

, , *# 1) ' *# '?6' 444?4 *# ' *# *# *# 08D' 73' 9.79@' .7' 5* ' ; 850*# 6 ' =*# ?' 4 4?8 *# 8C0' .@ : 0' 86' 7*# a*# *# M, > ' $ % M 7209' = ' + ' >9D' 0D*' ?7"*# 4*' :*# > ' 76*# ,' 89D' >*N

7C0' 49.0506.49B' 50C85F6' 79' .20' C790.85@' SA8.A75?456' 73' *=*# H 1 >' <4"*# ; 0' 37A9D' 49' 0975C89.L6' ; ' ' ' ' . ' ' 0 ' ?7"*# 44*' : *# H HEH ' ?7"*# 444*' : *# , E, * 1 1) ' !$! ' 08D' 73' :7""7 ' "8A508.0D*# 6 ' $$ ' 05=A"06' 98F0D' 608.0D' 27"D49B' 8' =A ; ' 8.' 246' 300.' 8' "479' 6"00 : 49B' 49' .20' " ' 8' =506=09.*# "*

246' =749' <86' 8.' 790' .4C0' 49' .20' : 76606647' 9' 73' 9.7947' 090D0..4 ' 89D' 4.6' 8A.209.4=4.@' 286' ; 009' ?7A=20D' 375' ; @' D754=7' 89D' 40.57' 75B2064 ' 4.' ; 049B' D06=54 ; 0D' ; @' 75B2064' .20' 679*# ". ' l*' , ' ' +0 ' ?7"*# 4*' :*# [, *N' 49=7' .209' 4.' 286' D468 : : 0850D*# 20' =749' 08997.' ; 0' 8..54 ; A.0D' .7' 8') ') ' 375' 74 ; 89A_' 46' 8' D46.49=.' 38C4"@' 98C0*# .' 46' .20503750' : 57G ; 8 ; "0' .28.' .2050' 46' 8' : 75.479' 73' .20' "0B09D' C46649B' 79' .20' 50?0560' 8AD' .28.' .20' : 40=0' 627A"D' ; 0' 8664B90D' .7' .<7' C790@056' 4 ; 4A0' 89D' 75289446*# M 7209' = ' ' ' :*# >H ' 7CC609 ' ' 6 ' ?7"*# 44*' :*# [>[' 7*# H, *N

20' =7496' 8..54 ; A.0D' ; @' 720A' " = ' ' ' 76*# ,' 89D' >N' .7' .20') ' ' <4.2' .20' C797B58C' *# MZ) % 850' 97<' 8664B90D' .7') ' ' ^Z B' ' 0 ! P) (' ') ' 8' .4."0' B4?09' .7' 05A648' .5A54m ' 8.' <24=2' :"8=0' .20' C : 0575') ' 50 ; 79489A6' &8""A6' <86' ; 7C*) ' ' ! ' D8AB2.05' 73' 85=A6' A50"4A6' 89D' 8A6.498' *# 7' =7496*

* !

4""W 0 5' .7' ,*' 205' 289D' :"8=0D' 79' 08B"0' ;03750' 205*' 1) ' ! #' ' !9! B'
*' *' *' *' ' ' *' *' "40. '
73' 85=4A6' A50"4A6' 8AD' A=4A6' 05A6*' '
0D*' 357C' -) ' M 7209' ' + ' >9D'
0D*' ?7"*' 444*' :*' ,>a*N' 246' C0D8""479' 46' 2@;54D*'
20' D8.06' 79' 7;?0560' 89D' 50?0560' D7' 97.' =7490'
DD0*

*' " %' & # *' 8547A6'
.@:06' 73' 4=.75@' B`3 0' 79' =7496' 73' &8""40E'
9A6*' E 3";a' 3506*N' * ' MO*N
*' ' # *' # *' " '
' # + '# + %' <7' 4=.75406'
:"8=49B' 79' 8' ;860' 75' 89' 8".85' 8' 6240"D' 79' <24=2'
*' *' *' "H '# + 8' 6 -' 79' .20' ;860'
' 75' .' 79' .245D' ;5866' =7496' 73' 4=49446',*' M,'
35=*N' 4=49496' *' 796.89.490' *' 546:A6' 89D'
796.89.490' *' M=*N' F !" $! $' 0 3 $' =*Q
*' # ' 75' *' +*' $H 8 '
' %' 4=.75@' <8"F49B' .7',*' 27"DO'
49B' <508.2' 89D' :8"C' 79' =7496' 73' 0:.4C4A6'
0?05A6*" $',['3500*' *J,*' 0*N' 89D' 856=8""8'
k ', '356*' ' '3500*N
*'$! %' # *' 4=.75@'608.0D'
.7' 5*' 79' 8' =A45866' 27"D49B' 8' 6240"D' 79' <24=2'
' + +' ;0249D' 205' 8' 6240"D' ;0908.2' 205'
300.' 8' 20"C0.' 49' .20' ' 8' 8?0"49' 89D' 8'
6:085') ' J ! ' #! ' =' * '
08D' 73' 858=8""8' .7' 5*' "8A508.0D*' *J4*' M,'
3506*N
*' "H %' # *' 858= "849'
C4"4.85@' D5066' .7' 5*' 27"D49B' 8' 4=.75@' 89D' 8'
6:085' 79' 08=2' 64D0' 8' =8:.4?0' 608.0D*' ;?0560'
68C0' 86' :50?47A6' =749*' R .*' M' 34506*N
*' "H %' # *' 4=.75@'
<8"F49B' .7',*' 27"D49B' 8' <508.2' 89D' 8' .57:2@'
8.' 205' 300.' 8' 85.2489' 608.0D*' 1) ' ' # '
' ' (') ' # * ' 6' $# '
%' 08D' 73' 0:.4C4A6' 0?05A6' .7',*'
"8A508.0D*' *a,*' M=*N
*' "H %' # *' 4=.75@'
<8"F49B' .7',*' 2A5"49B' 8.' 205' 300.' 89' 090C@' 89D'
27"D49B' 8' <508.2' 89D' 8':8"C*' 1) ' o *! '
' ' D*' A6.' 73' 8"0548' *' .7' 5*' 58D48.0D'
<4.2' + ' 89D' =A45866*' * ' M' 3506*N
*' "H %' # ' *" %'
#7C0' 20"C0.0D' 608.0D' .7',*' ;7"D49B' 8' 6=0:.50'
49' 3579.' .<7' 67"D4056' 790' 27"D49B' 8' 4=.75@'.20'
7.205' 8' 6.89D85D' 49' .20'$ '897.205' 6.89D85D' '
49' .20' ' 8' <508.2*' 1) ' (' ($ '
:*' *' *' A6.' 73' 57;A6' .7',*' "8508.0D'
<4.2'.20' '6.58::0D' 79',*' 627A"D05' 89D';7"DO'
49B' 8' 6:085' $' M '3506*N
' ! ' C' ' ! $' ! '
' ' 79' B7"D' 64"?05' ;5866' =7496'
89D' ;5866' C0D8""4796' 73' 7CC7DA6 1 3 $!'
405*' H ' H ' 79' 64"?05' =7496' 73' KA"48'
7C98*
*' H ' 6 ' 4 ' H ' H '
79' ;4""79' =7496' 73' 8"79498*1 0 ' ! ' !" '
'F ' H ' 79' ;4""79'=7496' 73' 8584464A6'
/ 2 ')))' (' !" ' # '% ' ' +++' + '
H '# '# ' 79' 7"D' =7496' 73' 4=.7547A6'
1 $$' !" ') ' H ' 79' 60=79D' ;5866'
=7496' 73' ABA6.A6' 6.5A=F' 8.' 6=8' 46:8948

#*

M 7209' ' + '>9D' 0D*' ?7"*' 4*' 3*', [' 7
, *N 1 *" ## ' *' # ' ' ' # '
*' 4 ' '#) '# ' '
8) ' H ' 79' 60=79D' ;5866' =7496' 73' 8"4BA"8'
73' 608' 46:8948' M 7209' + ' ' :' > H'
7*' >*N
H ' 89' 86646.89.' 8.' 685542006' 46'
350S909."@' 50:50609.0D' 79' #7C89' =7496' 8AD'
C0D8""4796*
#*' H ' ! ##! $' !" $' 79' B7"D'
89D' 64"?05' =7496' 73' 4.0""4A6' 1 *' 1!" *'79'
=7496' 73' &8";8' 4.0""4A6' 06:86489' 858=8""8'
"9B8;8"A6' &8""409A6' 76.AA4A6' 40.7549A6'
"8AD4A6' *' 0.54=A6' *' =.54=A6' *' 8=4.A6'
57;A6' 85A6' AC05489A6' 854996' 47="0.489'
8I449489' 05=A"06' 858A*64A6' M67C0.4C06'
1!" # 89D' 796.89.490' *1 ! ' !" *'79'
.245D' ;5866' =7496' 73' 57;A6*1 $!! ' !" $'
79' B7"D' =7496' 73' 796.89.490' *1 ' 647 '
!" *' 23!' 79' 60=79D' ;5866' =7496' 73' A9O'
6.99.4A6' *' 0.584447' 8AD' 796.89.4A6' &8""A6'
73'.20' "8..05' 8"67' 49' B7"D*1 ' " ! '
!" *' 1 '79';5866' C0D8""4796' 73' 796.89.4A6'
/ 7 '" ! ' 4 ' 2 (2 ' '
79' B7"D' C0D8""479' 73' 796.89.4A6',,' ^?4=*' 75'
405*Q1 *' *' ' #' #'
*' 79' B7"D' C0D8""4796' 73' 8"=96*1 *' *'
' § ' O'd * '14 '79' B7"D' =7496' 73'.20'
057?49B489' '49B' 207D0;05.' ' '[H E[*

#' $# %' .20' 079' 73' 8 A6'
8I4C96' <27' 5A"0D' 49' :849' &8A"' 89D' 54.849'
M * *' H'R' <86' 8667=48.4D';@' 246' 38.205' 49' .20'
C:450' <4.2' .20' .4."0' 73' ' 8I4C96'
<86' D0308.0D';@' 207D764A6',*' 79' .20' ;89F6' 73'
.20' 8?0' 89D' 3"0D' .7' SA4"=48';A.' <86' B4?09' 9:'
;@.20' :07:"0' 89D' F4""0D';@.20'67"D4056*' 5;7E'
B86.06' .20' &09058*" 73' 207D764A6' 604\0D' 4=.75'
<27' 28D';009' "03.' 49' &8A"' 89D' :A.' 24C' .7'
D08.2' 49' * *' *
20' 7;?0560' "0B09D' 73' .20' =7496' 73' 4=.75'46'
' <' *' #' :*' *' *' 20' 50?0560'
"0B09D6' 850 1 4 ' ':' $ ' $!# $.'
0!4 2' !' 8I4CA6' 89D' 4=.75' 608.0D'
38=49B' 27"D49B' 8' B"7;0';0.<009' .20C' 8' 4=G
.75@'38=49B' 49' .20' ' * $' ' >'
M '3500*N' ^8=0' <77D=A.0' ' !" *! ' .'
' 4=.75@' 608.0D' 49' ' $'
' >' "/ ' H ' 3506*N' ' !* '
* * ' #7C0' 608.0D' 49' .;0' '
' *' :*' *' * ' + ' '
". 9, %'= F ' 'V (2' * 3 '
540.75489' =8C:' ' 49' .20' ' 0 ('o'
" ' ' 3506*N' 1!" *! ' $ '
4=.75@' <8"F49B' 49' .20' ' _' #' B'
0 ' + ' ' M,[' 3500*N' !* '
* * ' #7C0' 608.0D' 49' .20' '
"4*' *' *' 75' *' *' *' 75' ' *' *' *' M, ' 35=6*N

"0B09D ' 45{."4 ?8547A6 .@ : 06 73 4=.75@ ' 8"67 7==A56 79 246 60=79D "\' .7 ' 4506*N ' 89D .245D ' ;5866 =7496 M0 .7 ' 3506*N

" "- $$ %" 4=.75@ 6.89D49B .7 5* ' 27"D49B 6240"D ' 79 924="4 ?7 54 \ ' 79 8 : 0D06.8" 89D ' :"8=49B " 377.' 79 :57<' ' ;0249D ' 8 =8 : .4?0 608.0D 79 .20 B57A9D " 9 .20 " "# 1 % 1) + + " " H' " #6C42(? ; A6.' 73 8409.4A6 ' ; 850" M ' 3506*N

A""E38=0D' ; A6.6 79 #7C89 =7496 850 =7C : 858G .4?0"@' 5850 M 8DD09 ' ' *6* ' , >' ?74" 44* ' :" , [' ?74" ?* ' : :" , , ' ?896 '* .3C" ' +* *' , H ' :" , , *N

& " % ' 79 2 B7"D' =749 73 8109.4A6 ' B4?09 ; @' M [' 3506*N ' 89D 79 2 64"?05 B4?09 ; @' * M> ' 3506*N

+ # & " " % 4=.75@ <8"F49B .7 * ' 27"DG 49B <508.2 89D : 8"C" 1) ! # > $' :" + 08D 73 "0I89D05 .7 5* ' "89508.=D" 9 .20 *n" "# E % MH ' 3506*N "0I89D05 <86 8' A6A5 : 05 49 L4=8 A9D05 8109.496 ' IHB /

& " % ' " 73 "8B8 ; 8"A6 M , >' 34506*N F !" $ ' D ! !' 1 P

& " % ' <4.2 ?8547A6 .@ : 06 ^ M3h75_8Q 79 =7496 73 4.=""4A6 ' 06 : 86489 ' 4.76 ' 7C4.489 ' 8D5489 ' 9.7949A6 4A6 ' 9=4A6 0586 ' 06=0A94A6 4B05 ' 0 : .494476 0?05A6 ' "8B8 ; 8"A6 ' "0I89D05 0?05A6 ' "8I4E C49A6 * ' &75D48986 * ' 24"4 :' * ' K7.8 : 489 ' 58 89 0=498 ' 76.4"489 ' 50 ; 79489A6 &8""446 ' 7"A6489 ' "C4"489 ' 8"05489 * ' 8""4=9A8 ' 76.AC76 ' 60"489 ' 4=.754986 ' 854A6 ' "8AD4A6 " ' %A49.4""A6 ' A5="489 ' =.54=A6 ,# 89D * '83 .20 :57<' 4=.75@ 6.89D49B ' 27"D49B <508.2 89D : 8"C" 1) " ! ! # O ! ' A6.' 73 79*E.89.497 : j D4.' .7 ,*' <4.2 20"C0. ' "895=8.0D ' <08549B .20 C : 0548"# C89."0 89D 27"D49B 8' 6=0 : .50#) # " M , > ' 3506*N 2060 : 40=06 850 6A : : 760D .7 28?0 ; 009 466A0D A9D05 796.89.490 # 89D 246 6796*

4 46N ' 796.89.4A6 **' 8B909.4A6 ' 8"09.49489 * ' 57=7 : 4A6 ' 0?05A6 * ' #7CA"A6 44BA6.A"A6 ' 89D 79 8 =79.75948.0 73 9.497A6# 20 .8C0 "0B09D 89D .@ : 06 7==A5 79 .20 @\89.490 605406 D7<9 .7 .20 .4C0 73 796.89G .490 # 9 , 1 *N

& " % &75D48986 49 C4"4.85@ D5066 608.0D .7 ,*' 79 2 095A"0 =2845 27"D49B 8' 6 : 085 89D =57<90D ; @' 4=.75@ ' 6.89DG 49B ' <27 27"D6 8 : 8"C' ' ; 03750 24C' 8 67"D405 6.89DG 49B 27"D49B 8' 6 : 085 ' 89D 8 34BA50 6.89D49B ' 38=49B ' 8.' .20 300.' 73 .20 67"D405 2 =8 : .4?0 F900 49B ' 8 ; 7?0 ' 8 6.89D85D ' 2 C4"4.85@ 6.89D85D 89D 2 "0B47985@ 08B"0# 1) ! # ' ! ' #! ' z2)' 1 ' A6.' 73 &75D48986 4A6 .7 5* "8A5.8.0D ' <4.2 + 89D =A45866 ' 75 <4.2 =A45866 79 <24=2 E # ' M>H ' 3506*N

& " % #7A9D .0.58E 6.@"0 .0C : "0 ' <4.249 .20 + '46 .20 496=54 : G .479 ' 89D 79 .20 3540\0 54 R # Z.4.249 ' 8 6.89D49B 6.8490 73 .20 C : 0575 2 ' 858 79 5* 73 50C : "0 ' .20 C : 0575 <08549B : 79E .43408" 57 ; 06 89D 27"D49B + 68054"4=49B 8548 "4B2.0D 8".85 ' ; 0249D 24C' .<7 8..09D89.6 27"D49B : 8"C6 ' 79 "03.' 73 .0C : "0 .20 68=05D7.8" C4946.05

^ A : 80 <4.2 810 58460D 6"8@49B 89E7I ' ; 0249D <24=2 8' ' 5866 C0D8""479 73 &75D48976 4A6 <4.2 ?8547A6 .@ : 06 73 7 ; ?0560 M[' 3506*N "67 79) " M ' 3500*N 2060 07496 89D .28.' <4.2 > 9 j R > ^?4= 4 ' ?& 40 850 ' 86 7209 50C85F6 " = ' + ' >9D 0D*' ?7"" ?*' : # >N ' .20 79"@ 018C : "06 49 .20 #7C89 =7498B0 73 8 C410D 496=54 : .479 73 &500F 89D 8.49# 20@ 850 8"67 .20 79"@ 018C : "06 73 .20 .4."06 73 ' 89D ' 57=2905 " = ' 6 ' : # , N ' D7=6 97.' ; 0"40?0 .28.' 8' &500F 496=54 : .479 =89 ; 0 6A4.8 ; "0 3A5 2 #7C89 0C : "0 ' 89D =7964D056E .28.' .20 0C : "0 79 .20 =749 CA6.' 28?0 ; 009 050=.0D 04.205 79 .20 340"D 73 ; 8.."0 75 49 67C0 =4.@ 73 067 : 7.8C48 97.205 50?0560 <4.2 $ ' !" $ ' " % 1 8=5434=0 ; 03750 8' 57A9D .0C : "0 79 <24=2 ' 9 0 ' 46 B4?09 2@ =F2="# ' . ' ' ?7"# ?44* ' : # H, N 357C ' ; A.' 7209 6.8.06 " = ' + ' >9D 0D*' ?7"# *' : # H % .28.' 20 286 90?05 C0.' <4.2 4.*

& # " % 4=.75@ ' <8"F49B .7 ,*' 27"D49B <508.2 89D : 8"C" 1) " ^75 " *0 " _" ^75 *0 X ?7*' " + ' ' ' ! '6 $ ' + ' % A6.' 73 7.8 4489 .7 5* ' 58D48.0D ' <4.2 =A45866# * 4# M, ' 3500*N 7.8G : 489A6 <86 .@589.' 49 @548 ' A9D05 24"4 : ' ' > a*

& " % 9 =7496 73 40.7549A6 89D 4=.7548 ' F !" $! P

& " % 0660"# .7 5* ' =7CC89D0D ; @' .20 =8 : .849 608.0D 8.' .20 :57< ' <4.2 34?0 57<056 ' 8.' .20 :77 :' .20 ' F "$! ! P' 89D' .2500 C4"4.85@ 6.89D85D6 ' '83 .20 :57<' 4=.75@ 6.89D49B ' 27"D49B <508.2 89D : 8"C" 1) " ! ! # O ! ' A6.' 73 79*E.89.497 : j D4.' .7 ,*' <4.2 20"C0. ' "895=8.0D ' <08549B .20 C : 0548"# C89."0 89D 27"D49B 8' 6=0 : .50#) # " M , > ' 3506*N 2060 : 40=06 850 6A : : 760D .7 28?0 ; 009 466A0D A9D05 796.89.490 # 89D 246 6796*

& " % 0660"# .7 5*# 79 .20 :77 :' 73 <24=2 .20 C : 0575 ' 608.0D ' 34?0 C<09 89D 8' 4=.75@ 6.89D49B 8.' .20 :57<# 20 :77 :' 46 7598C09.0D <4.2 89 89D 8 ; 7?0D850 .2500 C4"4.85@ 6.89D85D6# 1) ' ' % A6.' 73 796.89.490 # .7 5* ' "8AE 508.0D#) # C8""# C0D# M>[' ,506*N

& # " % # 75 # 75 75 # 75 * ' A6A8# .@ : 0 ^ 5379 50 79 B7"D M , .7 > ' 3506*N =7496 M * * ' 89D *N ' 89D ; 4""79 M5# .7 ' 3506*N 07496 M * ' * ' * ' # *N 73 &8""409A6# 45 44# 4 ' ' # 8"67 7==A56 79 .245D ' ; 5866 =7496 73 t.54=76 # M , ' 3506*N

" % 496=54 ; 0D ' ; @' 4=.75@ 79 8' 6240"D ' <24=2 620 46 : "8=49B 79 ' : 0D06.8"' 79 B7"D' =7496 73 796.89.490 ,# <4.2 .20 "0B09D 46 # 0 ! ' 6 ' M ' 3506*N

" : ' ' % 20 C : 0575 6.89D49B .7 5* ' 49 C4"4.85@ D5066 ' 27"D49B .20) ' 89D 8' "895="# ; 589=2 ' 89D : "8=49B) ' 377.' 79 2 =8 : .4?0 ' 79

' &&*

60=79D' ;5866' =7496' 73' 8B909.4A6' 357C' * ' 89D' i M ' M, ' 35=6*N' 89D' 0=09.4A6' 357C' i M 3' M, ' 35=6*N

' &* ^75' &&*Q' *' " '

' ! ' 1 ' ' ! -' 4=.75@' 27"D49B' 8' <508.2 ' 79' .20' B57A9D' 8' 6240"D' 79' 8' ;860*' 9' 8' B7"D' =749' 73' 8C6' 357C' ' M> ' 35=6*N

' &*' *' # #*' " ') ' * %' 4=.75@' 89D' 4;05.@' 6.89D49B ' 27"D49B' .7B0.205' 8' .57 : 2@ ' 4=.75@' 8"67' 27"D6' 8' :8"C' 89D' 4;05.@' 8' 6=0 : .50 ' 49' .20' ' # * ' "# ' ! %' *' "6 %' *' "6 ' # %' .K*' "6 ' / %' #*' " %' = ' "F ' ' 0 %' =*' 79' B7"D' MH[' 35=6*N ' 89D' 60=79D' 89D' .245D' ;5866' M ' 35=6*N' =7496' 73' 8B909.4A6 ' 89D' 79' B7"D' M 0D*' ' 35=6* 1 ' H ' 35=6*N' 73' 0=09E .4A6*

' &* *' # #*' $ ' ' 6 %' 8B909.4A6' 6.89D49B' 49' C4"4.85@' D5066' .7' 5*' 27"D49B' .20' ' 89D' 8 ;589=2' 73' "8A50" ' .7' 5* =8:.4?0' 608.0D' 79' .20' B57A9D ' 246' 289D6' ;7A9D' ;0249D' 246' ;8=F 1 79' 64"?05' =7496' 357C' * ' M ' 506*N' 89D' 3456. ' 60=79D ' 89D' .245D' ;5866' M=* .7' ' 35=6*N' =7496' 73' 8B909.4A6*

' &* *' " ' %' 8547A6' .@ : 06' 73' 4=.75@' G $9 o' 79' .245D' ;5866' =7496' 73' 57 ; A6' M" ' 35=6*N ' 60=79D' ;5866' 73' 84=A.4A6' MH' .7' > ' 35=6*N ' 89D' ;5866' C0G D8""4796' 73' 796.8A.4A6' *' M, ' 35=6*N' 7C0G .4C06' # ' ?7*' *' k %' 79' ;5866' C0D8""4796' 73' 796.89.496' *' M[' 35=6*N

' &* " %' # *' 4=.75@' <8"F49B' .7' ,*' 27"D49B' <508.2' 89D' : 8"C ' ;0249D ' 796.89.496' *' 6.89D49B ' 27"D49B' B"7F0' 89D' 6 : 085 1 79' B7"D' =744 ' M ' .4506*N' 89D' ;5866' C04"8""479' 357C' *9! 3' M ' 35=6*N' 73' 79G 6.89.496' *

' &*' " %' (4.2' ?8547A6' .@ : 06' ^' 9 ' 79' =7496' 73' 8=549A6' &75D487A6' *' &75D489A6' *' 8";49A6' A : 409A6' 24"4 :' *' 24"4 :' *' 50;79489A6' &8""409A6' 7"A6489A6' 8"05489A6' &8""409A6' %A40.A6' 0.54=A6' *' 8C6' 8C6' 89D' 8549A6' 8549A6' AC05489A6' 8549A6' 8AD' AC05489A6' 47=4=.489A6' 844C489A6' 05=A"06' %7A6.89.4A6' *' 2"75A6' &8"=54446' 864C489A6' A96.89.49A6 ,*' 996.8446' *' 796.89.4A6' *' 8B909.4A6' 0==9.4446' 796.89.496' &8""A6' KA"489A6' *' 84=9.49489A6' *' 8"096' &58.489A6' 8"09.4A489A6 , ,*' 207D764A6' *' 8B9A6' 8I4CA6' AB094A6' 79754A6' K7?49A6' 0;86.489A6' K7289906' 8"044.49489446' *' ?4.A6' 89D' &"@=05496*' 20' 68C0' "0B09D' 89D' .@ : 06' 7==A5' 79' .20' =7496' 73' .20' @\89.490' 60504O6' D7<9' .7' .20' .4C0' 73' =58="4A6' ' ,*

' &&*' " %' 7A5' 67"D4056' 68=5434=49B' 8.' 8' .54 : 7D' ;03750' .20' B8.0' 73' 8 =8C : ' 49' .20' ' 646*' "F %' 8AD' 8 6.85' 79' B7"D' MH ' 4506*N' 89D' 64"?05' M> ' 35=6*N' =7496' 73' 47="0.489' 89D' 64"?05' =7496' MH ' 35=6*N' 73' 796.89.4A6' 2"7586*

' &*' " %' 47D0E' .48AA6' 89D' 844C489A6' 05=A"06' 6.89D49B' 38=49B' 08=2' 7.205' 628F49B' 289D6' ;0.<009' .20C'

' &*' *' # *' 4=.75@' 6.89D49B' 38=49B' :"8=49B' 205' 289D6' 79' .2045' 627A"D056*' 1) ' ?! # ' " ' " ' ! ' ! " 0 .' 4 ' :*' *' " + ' ' ' ' E 0 ' * ' # ' %' A6.' 73' 47=4=.489A6' .7' 5*' 58D48.0D' <4._' =A45866*') * ' 357C' i M 3' MH ' 35=6*N

' &*' k %' 84G 4C489A6' 05=A"06' 6.89D49B' .7' 5*' 27"D49B' 8' 6 : 085' 89D' 6A : : 75.49B ' <4.2' 897.205' 34BA50' 6.89D49B ' 8' 6C8"" 4=.75@*' 1) ' ! # ' " ' ' ' 0 ' 6.' 4 4 6' :*' *' " + ' ' ' c ' ' E ' ' # ' %' A6.' 73' 844C489A6' 05=A"06' .7' 5*' 58D48.0D*') * ' M> ' 35=6*N

' &&*' k %' <7' C : 05756'608.0D' 38=49B ' 27"D49B' 8' B"7 ; 0' ' ;0.<009' .20C' B09058""@' 2' : 8"C' ' 8 ; 7?0' 8' 4=.75@' 38=49B' ' 49' .20' ' ?8547A6' C49.' C85F6' 79' B7"D' =7496' 73' 8"09.4A489A6' *' M> ' 35=6*N ' 73' 8"096' M>[' 35=6*N ' 73' &58.489A6' M> ' 35=6*N ' 8"09.4948A96 *' M> ' 35=6*N' 73' 207D764A6' *' M>[' 3006*N' 89D' 73' 8B9A6' 8I4CA6' MH[' 35=6*N' 20' C49.' C85F' 79' .20' =7496' 73' 8B9A6' 8I4CA6' 46' 67C0.4C06' % *' " ' >N ' 89D' .2060' <050' 6.5A=F' 49' 79D79 ' 8' 98C0' 73' <24=2' <86' 1 ' T B5066A6' .09D096SAO' 8D' * ' ?0.98' 7 : : 4DAC' SA7D' ' : 76.054.86' 8 : : 0""8?4.U' M CC*' 85=0""*' I4?44*' *N' T' 207D764A6' ?057 * * * 8 ;' ' :5730=.A6' SA8C' ?0.0506 8 : : 0""8?=50' ' U' M CC*' 85=0 ' 4I?444 ' H*N' 75' ¤ >' ' 03 ! ! ' 5* # ' &&*' " %' 4"4.85@' 34BC0' 6.89D49B' 27"D49B' 8' 4=.75@' 89D' 8' 6 : 085*' 1) ' * *' "-. ' -' ! ' # ' # ' * A6.' 73' AB094A6' .7' 5*' D48D0C0D*') *' * ' 357C' i M ' M ' 35=6*N

' &&*' " %' #7C0' 608.0D ' 27"D49B' 8' 4=.75@' 75' B"7 ; 0' 6A5C7A9.0D' ;@' 8' 4=.75@' 89D' 8 ' 6 : 085' ' 49' .20' ' ?8547A6' C49.' C85F6' 79' 64"?05' =7496' 73' 79754A6' 357C' .9, 3' M, ' 35=6*N ' 73' K7?49A6' 357C' ; , 3' MH ' 35=6*N ' 89D' 73' 0;86.489A6' MH ' 35=6*N' 9' .20' ' 73' .20' =749' 73' 0;86.489' 850' .20' "0..056' ' *¤ ' ' 1 5"06*

' &&*' " %' 797E' 54A6' 49' C4"4.85@' D5066' 6.89D49B' 38=49B' 27"D49B' 8' 6.89D85D' 79' <24=2' ' 6 ' 89D' 8' 6240"D' 79' <24=2' *' ++*' 89D' : "8=49B' 246' "03.' 377.' 79' 8' =8 : .4?0/' 49' .20' - ' ' h4_4307hW__E 4"89N' 49' .20' ' " $' 79' B7"D' =7496' 73' 797G' 54A6' M ' 35=6*N ' 89D' ?05@' 64C4"85' .@ : 0' 79' B7"D' =7496' 73' K7?49A6' M> ' 35=6*N

' &&*' " %' &"@E' =054A6' 6.89D49B' 38=49B ' : "8=49B' 246' 54B2.' 75' "03.' 377.' 79' 8' 6.77"' 89D' 27"D49B' 8' =5766' 89D' 8' B"7 ; 0' 6A5C7A9.0D' ;@' 8' 4=.75@' ' 49' .20@30t53' ' "6 ' %' 75' ' " %' :' 49' .20' ' 9 *' 1) ' *' *' & # ' *' |*' *' A6.' 73' &"@=054A6' .7' 5*' D48D0C0D*' , $ ' M>[' 35=6*N

' &&*' " %' 79E' 6.896' *' 79' 27560 ; 8=F' .7' ,*' :50=0D0D' ;@' 4=.75@*' 1) ' ' : *' : *' A6.' 73' 796.896' *' .7' ,*' D48D0C0D*' R ' 79.7C48.0*' M 850*N

' &&*' *' *' " ' ' ' | ' %' 4=G .75@' 608.0D' 79' 85C6' 27"D49B' 8' 6240"D'

' #' *

.89.490' ' 796.896' *' 796.89.4A8' '
0.58947' 8BA09.476' 0=09.4A6' 7 6.89.4A6'
&8""86' KA"488' *' 8"09.49488' *' 8"096'
&58.489' 8"09.4A489' *' 207D764A6' *' 8B9A6'
8I4CA6' 4=.75' AB094A6' 79754A6' 7AE'
6.89.4A6' *' K7289906' 89D' 8"09.49489' *'
89D' 79' =A4A6' 73' .20' @\89.490' 605406' D7<9' .7'
.20' .4C0' 73' 058="496' ' Y\G

' & # ' # # 8IG
4C49A6' *' 4A' C4"4.85@' D5066' 89D' 8I4CA6' 49'
' 6.89D49B' 38=49B' 08=2' 7.205' 27"D49B' 8' 4=#
.75@' ;0249D' 08=2' 73' .20C' 8' 67"D405' ;0.<009'
.20C' .<7' =8:.4?06' 608.0D' 79' .20' B57A9D#' 1) '
+ +4 4 ' :4?6' ?8# # # A6.' 73' 8I4C4G
9A6' *' .7' 5*' "8A508.0D# D # *' M[' 3506*N

' & # # 2 4:' *'
89D' 24"4:' *' 6.89D49B' 49' C4"4.85@' D5066' 27"DG
49B' 8' B"7;0' 79' <24=2' 46' 8' 4=.75@' ;0249D'
08=2' 73' .20C' 8' 67"D405' 6.89D49B' 1) ' =7<E'
# ' % # A6.6' AB8.0' 73' 24"4:'
' "8A508.0D' 89D' .874"48' D48D0C0D' .7' 5*' 38=49B'
.20' ;A6.' 73' 24"4:' *' .7' ,0' ;850#' *$*' 0D#'
357C' 8 ' M ' 3506*N' 64C4"85' 50?0560'
.@:0' 79' ;5866' C0D8""4796' 73' 8"05489' ' M '
*N 89D' 79' ;5866' =7496' 73' &8""407A6' 89D' 8"7E'
849A6' 357C' ' MH ' 3506*N

' # * # 4=.75@' 28"3'
98F0D' 608.0D' 79' 8' =A45866' <54.49B' ' ' I?4*'
+*' 79' 8' 6240"D' :"8=0D' 79' 8' ;860' 49' .20'$ ' .7'
,' .75*' ' 4A' .20' ' " ' "' '
+ %' 79' B7"D' =7496' 73' 8"09.49489' *'
89D' 8"0A6' MH ' 3506*N' G6 ? ' ' ' '
' ' O ! ! '! P

' # ' " %'
' "' %' 4=.75@' 608.0D' .7' 5' 79'
8' =A45866' 27"D49B' 79' 205' F900' 8' 6240"D' 9'
<24=2' *' +*' ;0249' 205' 8' 6240"D#' 1) '
' *' # # A6.' 73' 79G
6.89.497' *' .7' 5*' "84A08.0D#' ' 0D#' M,['
3506*N

' # ' *'
$' -' 4C4"85' .@:0' .7' :50?47A6' :40=0' 79'
;5866' C0D8""4796' 73' A96.89.4P46' 2"75A6' M '
3506*N' 89D' 796.89.490' *' MH ' 3506*N

' # *' "* %' 4=.75@'
6.89D49B' .7' 5*' 1) ' ! ' #! ' Y'
08D' 73' 858=8""8' .7' 5*' * .' 357C' i ' M'
3506*N

' *' *' # *'
"' ') 5' 6 -' 4=.75@'
6.89D49B' .7' 5*' 89D' 4;05.@' .7' ,*' 27"D49B'
8' .57:2@' .7B0.205' 4=.75@' 27"D6' 8' :8"C' 89D'
4;05.@' 8' 6:085' 49' .20' ' ' " %'
1) ' *' *' ' *' "! 55 5-'
' A6.' 73' 0=09.4A6' .7' 5' ;850#' -$ '
MH ' 3506*N

' #*' *' "' ' '
5 %' 4=.75@' <8"F49B' .7' ,*' 27"D49B'
.57:2@' 89D' :8"C' 49' .20'$ ' .7' 5*' ' I 44' .7'
,' 8' 6.85' <4.2' 60?09' 75' 04B2.' 58@6' 49' .20'
' ' "F ' ' %' 79'
B7"D' =7496' 73' 796.89.496' , ,' M ' 3506*N' 89D'
796.896' ,' M ' 350D4N' 20' 68C0' "0B09D' 89D'
.@:0' ;A.' 684D' .7' ;0' <4.27A.' .20' +*"' 49' .20'
$ ' 7==A5' 79' 8' B7"D' =749' 73' 796.89.490' *

' ' &*' a'
M> ' 3506*N' 20' B9506' 0 6 6 !!' 64B943@' .28.' H'
' <050' =7490D' .7' .20' :7A9D' 796.89.490' *'
28?49B' 50DA=0D' .20' 5' 8;7A.' .20' @085' * *'
H,>*' B6 5' ' 5' ' =*' '
' *Q' 20' 5 ' 9' .2060' =7496'
7==A:@49B' .20' 68C0' :764.479' 49' .20'$ ' 86' .20'
79' .20' =749' 73' 796.89.490' *' F !" ! '
4 ^' <P' :57;8;"@'286'67C0' 2546.489'
64BA43"08.479*' .' <86' 8.' 9.47=2' .28.' .20'
98C0' T+)$' <86' 3456.' A60D' 8;7A.' '
' M =.6"4* > ' ' 8DD09' ' ' ,) 5'
' ' 5' $' ' 5 ' ' 49' .20' '
' ' * *' ' 7"*' !?44*' : :*' > a 1 > , *N
' # *' 4=.75@' 49' 8'
) ' 79' B7"D' =7496' 73' AC05489' MH ' 3506*N' 89D'
8549A6' MH ' 3506*NE_
' *' $' %' 4=.75@'
<8"F49B' .7' ,0' 27"D49B' <508.2' 89D' :8"C*' 1) '
' *' ' =*' "- ') 5'
' 5 %' A6.' 73' 796.89.490' *' .7' 5*' "8A508.0D'
*' 55 5' M> ' 3506*N
' *' *' "' 5 ' '
%' 4=.75@' <8"F49B' .7' ,*' 27"D49B'
<508.2' 89D' :8"C' 79' 6C8"" ;5866' =7496' 73' 4=494A6'
*' M, ' 3506*N' 546:A8' M ' 3506*N' 89D' 796.89.490'
*' M ' 3506 N

X # * ' # *' 4=.75@' 5A9949B'
.7' 5*' 27"D49B' <508.2' 89D' :8"C*' 1) ' "A:*'
' *' A6.' 73' 24"4:' *' .7' 5*' 58D48.0D'
* .*' M,>' 3506*N' 246' =749' =7CC0C758.06' .20'
6A==0663A*' <85' 8B8496.' .20' 85:4' 8' =@.2489'
75' &7.24=' .54;0' 49' ' > ' ;@' <24=2' ?4=.75@'
24"4:' ' B8490D' 375' 24C60"3' 89D' 246' 679' .20'
.4."06' 73' 4 5' 5' 89D' ' + 5'
5' 86' =7557;758.0D' ;@' 8' ;5866' C0D8""479'
73' 24"4:' *' .8=4"48' 89D' 24"4:' *' <4.2' .20'
"0B09D' & * ' 6' " %!"!' 6' ' 2' '
=76*' M[' 3506*N

# ' ' &*' " 5 %'
4=.75@' 608.0D' 79' 6240"D' 89D' =945866' <54.49B' 79'
6240"D' *' +*' + *' 4I*' 75' ' 6 ' 75' '
IIII*' 49' .20' 07E05:MW' *' "F ' '
%' 75' " ' "' + 5%' 75'
*' "F ' ' %' 79' B7"D'
=7496' 73' 796.89.4A6' *' M>[' .7' H ' 3506*N

' X' *' "' ' %'
7C0' .@:0' 79' .20' 6240"D' ' 6 ' ' 4A' .20'
' " ' "' + 5%' 1) ' ' !0'
=7 65 4 ' *' =*' A6.' 73' 796.89.4A6' *'
.7' 5*' D48D0C0D*' ' M>[' 3506*N

' ' &*' " '
%' 8547A6' .@:06' " %' 79' B7"D' =7496'
73' 8I4C4976' *' MH ' 3506*N' B7"D' =7496' M[' .7'
,[' 3506*N' 89D' 60=79D' ;5866' M ' 3506*N' 73' 79G
6.89.490' *' B7"D' =7496' M ' 3506*N' 89D' ;589'
C0D8""4796' M>[' 3506*N' 73' 796.89.490' *' 89D' 79'
8' =79.75948.0' 73' 796.89.490' ' M 05@' 5850*N

' ' &*' " '
5 %' 4=.75@' <8"F49B' .7' ,*' 27"D49B' .57:2@'
89D' :8"C' 49' .20'$ ' .7' ,' ' .7' 5*' 0 6 6 !! [
49' .20' ' ' "F ' ' '
%' 1) ' " ! '% ' ' 08D'
73' 796.89.490' *' .7' 5*' "8C508.0D*' ' M> '
3506*N' F !" *! ' 4 2 ' F ?5' ' V'
5' ' =*' ' 0$! ! '! P

! ' " q ' A
' &# # " 3 '
%' # 4=.75@' . 4D49 .'
27"D49B' 8' 6240"D' 79' <24=2' I I 4*' ' 44f' .20' 7 '
' # G ' 0D# ' 3506*N' ' 75' 4=.75@' 608.0D' 79'
=A45866' 27"D49B' !24=4D' 79' <24=2' I I I ' N49' 608.0D'
.7' 205' ;@' 8' W=A4A6 ' 49' .20' 7 3 ' 3 ' M* #
' 3506*N' 79' =7496' 73' M#796.89.490' # 2.50' 46' 8'
64C4"85' W7"D' =749' 49' .20' ; = ' ' ' <54.2'
4=.75@' 608.0D' 89D' D06=54 ; 0D' 86' 2A549W' + +' 79'
.20' 6240"D ' 506 : ==.49W' <24=2' =42=*# 3h4903*' 4 A9#
' ?7"*# .444* ' :# ,N' <54.06 ' T "4C' 49' 27=
9AC7' "0W4' I I I ' : 57' ++' A.' ?4D=5=' 06.' 49' 8.8"AB7'
A604' Lm*685=4*# 05AC' =AC' 7.8' I I I ' =AC'
=7C : 794' 9A9' : 76649. ' 8..:=44.4A6' =AC'
4.05A4A' 496 : 4*44 ' 0.' : 8.A4.' 6A : 0547506' ="@' :=4 3"0IA6
' +' ⁵=4=C' : 5< ; 05=*U' ,' 627A"D ' 2R<0?=5 '
; 0' 4A="4A0D' .7' =7964D05' .246' =749' .7' 20' 4D09.4=8"
<4.2' .20' 790' 49' .20' ""54.46 ; ' A60AC# ' =7C'
73' 4=494A6' 8"67' 49' .20' A60AC' <4.2' .20' "0* =9D'
' 5 ' Z" ' 6' 73' 4DE9.4ºA"# 38 ; 54=' <2442' 46'
06 : .6#48""@' 97.4=08 ; "0' 49' .20' ; A6. ' 627<6' .28.' .246'
6.@"0' 73' 49' CA6.' 284=' ; 009' 466A0D' ; 03750' .20'
<85' <4.2' 4=494A6' 49' * # /, H ' 89D' A6' .20' '
' 73' 796.89.490' <050' 9A.' =0"0 ; 58.0D' .4""# *A*'
H [' 4.' 37""7<6' .28.' M#796.89.490' =7A.4AA0D' .246'
6@6.0C' 73' =7498W0' 375' 8' 6275.' .4C0' 83.05' .20'
D0308.' 89D' D08.2' A.' 4=494A6 ' 8".0549W' .20' "0B09D'
.7' # * ' . &# # ' +++# 20'
"0..056' A7*# ' <24=2' <050' .20' =8A60' 73'
= 4056' 50C85F' 0?4D09."@' 50305' .7' .20' <27"0'
796.89.49489' 38C4"@# 206Ø' :40=06' <04W2' H'
Ø' W58C6 ' 89D' <050' : 57 ; 8 ; "@' 466A0D' 86' C0C7548"
=7496 ' .20' 8?058W0' <04B2.' 73' .20' ' ; 049B'
' B58496' M 8DD09 ' ' " ' $' ' ' . '
' * ' 49' .20' WW ' ' * *' , ' ?7"*
?444*' :* H *,' !
' F !0 $! P
' ' *' M 489?794A6N' <96=27609' ;@'
76.AC86' 86' =7""08BA0' 8 ; 7A.' ' > [' .257AB2'
.20' 0I05.479' 73' 246' C7.205' 4=.7548' F !" D
*! P ' 89D' 504B90D' 2' 6275.' .4C0' 8"790' 83.05'
.20' D08.26' 73' 76.A4AA6' 89D' C"48AA6*' 8?49B'
27<0?05 ' 496A" .0D' .20' <430' 73' 790' 73' 246' ="05F6 ' 20'
<86' <4.2' 246' 679' 4=.7549446' *' 4=685' : A.' .7'
D08.2' ;@' 246' 67"D4056' 49' ' > ' M 5=; *' 7""'
I I I ' 3 '=*# *N
20' 3*4""7?h49B' 850' .20' : 549="448"# 50?0560' "0G
B09D6 ' " ' 5 ' + # A6.' 73'
4898' 3 7 ' 3506*' 4_* ' [' 3506*N' 3 '
M [' 35464*N' = 7 456' ?7*# "0"C0.0D' ; A6.'
73' 856' M ' 3506* ' 4=.75@' 6.89D49B' MH '
3506*N ' # # .40.754996' *' 6.89D49B' : 50G
609.49B' 8' B"7 ; 0' .7' #7C0' 608.0D' M ' 3506*N '
54"4 ' 1 ' "F ' 3506*N '
' # A6.' 73' .20' A9' M ' 3506*N' ^6W=
' ' '1$' >6' # ?' 40.7549A6' 79' 27560G
; 8=F' M ' 3506' Ñ ' " *' # ' # ' # '
$* ' * ' f' 8J-' M ' N ' 3506' ' 4 # 44*' * !
L ' *
' M ' 3506*N ' # # ' # ' M '
3506*N' F !" *! P[' o ' ' : "! !" ' '
M b ' 3506*N ' # +# # ' # # M '
3506*N ' # + # & ' # # M ' 3506*N '
+ # & ' # # M ' 3506*N' ' # ++'
" C -' # +' M ' .7' b' 3506*N'
^?4.57A4 ?8' 44*" ' o ' 66!!' # ' # ' M& b'
3506*N ' # +++# # ?4 # :# # M ' .7'
' 3506*N ' (6' 1 ' "J9 3 5' H ' 3506*N '
#* # # 576' # # # # "" 3 5 ' "W 9 '
[' 3506*N ' # ""4 " ' # 08D' A3' * 0DA68'
M ' 3506*N ' * ' 3 ' M ' 3506*N'
F !" *! P[' *# ' ' MH ' 35=6*N '
' # M b' 354E *N' ^ ' ' ' 844D'
' *Q' 4=.75@' 6.89D49B' M ' 3506*N '
' 7?*6 4' M ' 3506*N' F !" *! ' 89D'
?4 #4 ?6' *Q 1 * h 005' ' % *'
74.946' M> 3506*N ' !" *! ' ' M> ' 506*N 1 '
K ; ' ' 1 55' "4?? 6' # M> ' 3406*N '
' 4 6' # M>' 3506*N ' 57?4 *6' ' 9" A['
=7 *6 4' # ' 75' ' # ' M, [' 3506*N Q
', >*[' 3506*N ' #! ' * '
MH' 3506N ' # 20' A9' < 8"F49B' MH' 3506*N '
"7?4' =7 *6 4' #? #' 75' #' MH' .7' " 5=6*N '
$ ' ++ ' # ' -"! !' 3506*N ' #'
# M, ' 3506' N ' *!% ' ' MO4 ' # 6' '
M> .7 35=6*N ' ' M=N' ' # # #* #
M # * # # M, ' 3506*N ' # ' ?7*
H' .7' ' 3506*N ' %! O!' # O! ' M"7' 3506' N '
4*?6 # M,' .A' ' 3506*N ' ! *! ' '
MH ' 3506N ' ' :? 44' ' M ' 35=6*" ' * * '
1 ' M ' .7' , ' 3506*/ !" *! ' ' M>' .7' , '
3506*N ' # ' # M>' .7' ⁶ ' 3506*N 1 - 55'
8 V ' 6 ' o * ' 89D' 49' .20'
0==5@C0' ? 7546' # $ 0 3 ! ' M, > ' 3506 %: ('
55 ' ' # M ' 3506*N ' 4*45' ' # 5*' # : #
"5 %' / ' M ' 3506*N ' * ' ' ' ' " ' M ' 3506*N
?4=57 ' ' * ' 679' 73' 4=.7549A6' , *'
<86' C8D0' 0 L ' ;@' 244' B589DC7.205' 4=.7548'
89D' 246' 38.205' 6275."@' ; 03750' .20' "8..05L6' D08.2 '
89D' <86' 24C60"3' F4""0D' 6779' 83.05*' ' .7C ; ' 9085'
B54 : : 498' M A"7B44=N' 46' 684D' .7' 28?0' ; 7590' .20'
374*" 4<49B' 496=54 : .479 1 C 0' ?7' !" *! !'
5$! ! !' ' M 50 ; *' 4D"*' I I I *' - 7 ' 0*
*N' 2050' 850' 97' =7496' 0I46.49B' 6.5A=F' 49' 246'
7<9' 98C0' ; A.' 246' : 75.584.' C8@' : 57 ; 82.@' ; 0' 6009'
79' .20' 3'4""7<49B' : 40=06' 6.5A=F' ; @' ; 46' 38.205
A' {5*' ! #' " ' ?4= #4 ?8' :# +' '
08D' 73' 9 754996' # .7' 5*' "8988.=D' 89D' 7490D'
<4.2' .20' ; A6.' 73' : 7""7' A9D05' .20' .584.6' 73' 7'4=E
.7549446' *' ' o % ' ++*' o' . ! 3'
!" *!6 ' 785' 49' .20' @ + ' # *' "# '
5 %' F" ' M ; ' 3506*N
>*# {5*' # ?4= #4 ?6' :# :* # 08D'
AB8.0' 73' 40.754996' *' 89D' *' .7' "03. ' .20' 790'
"8A508.0' .20' 7.205' ; 850*' NO ' !" *! ' '
'40.75@' 6.89D49B' 27"D49B' <508.2' 89D' : 8"C*' F" '
M " ' 3506*N
' # # ' :# # ' A6.'
*W*A' 73' 40.754996' *' "89508.0D' .7
,* <4.2' =44458*66 ' 85C0D' <4.2'
" ' P 7' ' 6240"D' 79' <24=2
K# ' x' _HO ' p ¨' 50 : 50609.0D' .<7' 34BA506*
V ' 50*' # A6.6'
p ' JŸ p' ' 3*4049B0842' 7.205' 73' : 7""7
M<4.2' .20' 348.A506' 73' ' "0.7E'
549446' *N' "89508.0D' 89D' 73

4898' <4.45' 8' ;7<' 7?05' 205' 827A"44=56'' -$ ' M ' 35.8*N .' C8@' ;0' .28.' 4898' 79' .246' :40=0' 50 : 50609.6' .20' ' 73' 4=.754986' *' 06 : 0=48""@' 86' 4898' <86' .20' ' 73' : 7""7 ' ; A.' 73' .246' D8AN42.=5' .2050' 46' 97' 50=75D'' M 8DD09 ' ' ' $' ' i ' ' ' 49' .20' ; ' ' ' * *' , [' ?74'' *' : *' N* 45 #" ' #*' 57 ; 96 ' 49' C4"4G .85@' D5066 ' 6.89D49 .' ;0.<009' 37A5' =8 : .4?06 ' ;0"7<' 8' <508.2'' 1) ' ! #' # $ '#' #' & ' A6.' 73' 57 ; 96' .7' ,*' "8A508.0D ' 67C0.4C06' <4.2' U ' -$'' M[' 3506*N # ' #*' A550.0D' 30C8"0' .7' ,*' : 50609.49 : ' 8' <508.2' .7' 796.89.490' * 0<27' 46' =57<90D' ; @' 4=.75@' 49' .20' ' ' "F ' ') %' 1) ' E "* ' '' ' '' 446.' 73' 796.89.4A= * ' 38=49B' <4.2' &) ' 584649B' 8' 289D' 89D' 27"DG 49B' 8' B"7 ; 0'' " $ ' ') ' ' = ' # ' ' 3500*N' 0?058'' 7.205' C0D8""4796' 89D' =7496' 73' 796.89.490' * ' 75' 246' <430' 8A6.8 ' 89D' 73' 246' 6A96' 546 : A6 ' 786.89.490' * ' 89D' 79E' 6.8A.496' , ,'' B4?0' 50 55060A.8.4796' 73' .20') ' 3.05' 796.89.490L6' D08.2' 246' 6796' =79.49A0D' .7' 6.54F0' =7496' 50 450609.49B' 24C' <4.2' .246' 6@C ; 7"' 89D' .20@' .20C6A"?06' ?05@' 6779' 8D7 : .0D' 4.' 8' =A6.7C' =79.49A0D' 9D05' .2045' 6A==066756' 8AD' 06 : =048""@' 79' .20' B7"D' C0D8""4796' 73' 8"096' : 50605?0D' 8.' 40998'M* 8DD09 ' ' ') ' ' ' ' $' ' h* ' ?* ' 49' .20' ; ' ' ' *6*' , ' ?74'' 4?444*' : : ' 1 , [N'' 20' "8.0' 8?0D794' 42AA82.' .28.' .20') ' <866' 866AC0D' ;@' 796.89.490' *' 49' 4C4.8.479' 73' .20' T' 38=0' 73' 7606' <24=2' 62790U' M I'' I I I 4?*' >.N' =3'' >' 75*' "44*' N' .7' <27C' 20' 46' =7C : 850D' ;@' A60 ; 4A6' " ' ' ' *' =' ,>N' ; A.' <20."4"5' .246' ;0' .20' =860' 75' 97.' 68C0' 73' .20' 208D6' 73' .20' #7C89' C : 05756' 085"405' .289' .20' .4C0' 73' 79G 6.89.490' 850' D0=758.0D' <4.2' .246' 6@C ; 7"' 97.8 ; "@' "8AD4A6' 58 89' 8AD' 9.7949A6' 4A6' M*$'' *' <4.2' "0B'' =76'' ..4 ' 600') %' 67' .28.' 4.' <7A"D' ;0' D4"34=9".' .7' 8."45C' .28.' .20' : 50609=0' 73' .20') ' B4?06' D450=.' : 5773' 73' .20' 2546.4894.@' 73' 796.89.490' .27AB2' 4.' <86' D7A ; ."066' 8D7 : .0D' 49' .246' 60960' M 8DD09 ' + ' % #'' ' ! ' !" 3 ' . ' ' 79' .245D' ; 5866' =7496' 73' "8AD4A6' * 1 ' #'' ' 79' 60=79D' ; 5866' =7496' 73' 7CC7DA6* # '' ' 7 2' !" *!' . ' ' 79' B7"D' 89D' 64"?05' =7496' 73' C4"489'' # '' ▤▤ ! *' ' !" *!" ' ' 79' 64"?05' =7496' 73' 0 : .4C4A6' 0?0586'' # 1 4 .? ' !" *!"!' 79' 64"?05' =7496' 73' &0.8 / *!' !" *!"!' F *!' !" *!"!P # 1 ' ?4= #4=4 ?6' 79' B7"D' =7496' 73' 47="0.489* # ' " - ' #'' # ' " %' ' ' 79' 64"?05' =7496' 73' 06=0994A6' 4B05* # +' M4A' 7$ %' 4=.75@' 608.0D' .7' 5'' 27"D49B' 8' + ' 8AD' 8' 48"C' ' 67C0.4C06' A9D05' .20' 6=8.' .20' "0..056' ' 1) ' ' " '

0C8"0' 408D' .7' 5*' D48D0C0D'' *H,'' M=*N' 9' .20' 0 ' M=*N' .2050' 46' ' @7A9B' 208D' =57<90D' <4.2' "8A50" ' 89D' 97' "0..056' ' 79' .20' 50?0560'' 2060' =7496' 73' .20' # ' ' 7 □ 8' ' =7964D050D' .7' 28?0' ;009' 6.5A=F' ' .20' 38.205' 73' 8.7' 73' .4=8' 49' *=' a[' 20' 0I : "898.479' 73' .20' "0..056' ' ;@' + ' M 75B2064N' 75' ') ' M 8?0D794N' 46' 97.' .27AB2.' .7' ;0' 68.4638=.75@' MP 7CC609 ' ' # ' ?74* 44* ' : :'' Ha ' Ha *N' 20' ' 46' 37A9D' <4.2' .20' =7A9.05C85F' '' $ *' 89D' <86' 506.750D' ;@' 58 89'' 4C4"85' .@ : 06' 7==A5' 79' .20' ' 0 ' <4.2' .20' "0B09D' 3 ' □ ' ' . ' "# + %' 6.5A=F' ;@' 8.7 ' 73' .4=8 ' 49' *=' a* # + 1 % ' 3 ' 79') ' =7496' 73' 8"79498E@ ' II'' ' □ ' ' . ' ' ' P+'' ' ' '# ' # ' 79' B7"D' =7496' 73' 40.7549A6' * 1 ' □ ' ' ' 79' B7"D' 8AD' 64"?05' =7496' 73' 85808""8' 89D' &0.8 1 ' □ ' ' 79' 64"?05' =749' M2@ ; 54DN' 73' 5 ; 48A8 ' 89D' 79' B7"D' =7496' 73' 4?589 4A6' 9.7949A6' 7 = ' * 8 1 ' 3 ' 3 ' 79' B7"D' 89D' 64"?05' =7496' 73' &8" ; 8 ' 89D' 79' ; 5866' =7496' 73' 06 : 86489' 89D' 4.A6 1 % ' 3 ' A % ' 3 ; ' 97<' ' 8' =4.@' 73' .20' ""7E' ; 57B06' 49' &8""48' 85 ; S909646'' .' <86' 8' 3"7A5462G 49B' .7<9' A9D05' .20' 0C : 450 ' 89D' 8' ' ' 89D' C89@' 50C8496' 8..06.' 4.6' 89=409.' 6 : "09D7A5'' 20' 37""7<49B' =749' ; 0"79B6' .7' .246' =4.@'' 1) ' ' ' #' ' :'' '' 850' 208D6' 73' KA"4A6' MP.0685' 89D' ABA6.A6' ; 8=F' .7' ; 8=F'' 6 =*' ' ' ' ' - ' ' 57<' 73' ?0660'' .7' 5*' 8D7590D' <4.2' ; A4"D49B6'' > '' ,* 20' =7496' B4?09' ;@' F05C89' " ' ' '"$' ' ' # ' :'' , [>' ' 76'' >E[N' : 57 ; 8 ; "@' ; 0"79B' .7' @796' M 3'' 7209 ' = ' + ' >9D' 0D*' ?74'' 4*' : :'' , [a , >4N ' ' ' # '' *' 2546.489' C797B58C' MR : =N' 79' 8' B"7 ; 0' 79' 04.205' 64D0' ' 89D' i ' " + ' 89D' 1 %' 1) ' % ' 3) ' ' ' ' A6.' 73' 8A54=4A6' 4 ; 054A6' .7' 5'' "89508.0D'' ' M 2'' 0979989.'' 6 ' ' , [' :'' H, ' :'' 4'' I 444*'' 7'' , ' ' '' ' 085@' ' ' ' % ' ' ?74'' I ?4"4*' :'' >H>' : "8.0' 444*'' 7'' *N' 246' =749' <86' 6.090F' 49' .20' 98C0' 73' .20' C790@05' ;@' .20' C : 0575' 8A54=4A6' 4 ; 05486' 375' .20' A60' 73' &A9D7?8"D' 8""7C05' 8' : 50.09D05' .7' .20' 0G 57?49B489' .25790' ' [[E[* '' F + ' F=+ ' F=+ ' F + ' 1 ?44?4 '' F + 1 ' ?44'' ' F=+ ' ' : '' ' ' F + ' # ' F +0 ' ! i ' ') ' F=+ ' 1 % ' 75' %% ' ' ' F=+ 1 =76'' ?44'' ' 'F + 1 ,& " ' ' ' > □ '' ' 1 ' 1 ' 1 ' 1 1 ' ' ' ' 1 1 ' *' ' ' ' 1 1 =76'' ?49'' ' ' 1 / ' ! #' ?4"4'' ' '# ' ?4"4'' ' =* '' ' ' ' * 1 ' ?494'' ' 1 □ ' ' ?494'' ' ' ' M&8""409A6N 1 ' +* ' ?4C ') ' ' ' M 858E' =8""8N 1 % ' ' ?494'' ' C '

Nonum (Antoninus Pius)—AN or ANNO VIIII. *Anno Nono*—IMP. VIIII. *Imperator nonum*—COS. VIIII., TR. P. VIIII., &c.

VIIV. or VIIVIR. EP. or EPV. or EPVL. or EPVLO. *Septemviri Epulones* or *Septemvir Epulonum.* [VII*viri Epulones, &c.*]

VII*viri Epulones* or VII*vir Epulonum.* Their origin dates from B.C. 196, when a college of *three* members was founded principally to perform the rites of the sacrificial meal (*Epulum Jovis*) taken in the Temple of the Capitoline Jupiter, in the presence of the whole Senate. Their number was afterwards increased to *seven.* Julius Cæsar added *three more*, but after his time the number was again reduced to *seven.* [EPVLONES]. The title is found on the following coins :—

1. *Obv.* C. FABIVS CATVLVS IIVIR *(Duumvir).* Head of Neptune to r., before a trident. *Rev.* P. SEXTILIVS PR. P. AF. VIIV. EP. *(Pro Prætore Africæ Septemvir Epulonum.)* Bust of the sun facing, the head surrounded with a radiating disc. Æ. III. (Müller, *Num. de l'anc. Afrique*, vol. ii., p. 51, No. 25.)

Struck at Hadrumetum. P. Sextilius was governor of the province of Africa in B.C. 94.

2. *Obv.* AFRIC. FABIVS MAX. COS. VII. EPVL. *(Africanus Fabius Maximus Consul Septemvir Epulonum.)* Head of Fabius to r., bare. *Rev.* HADRVM. *(Hadrumetum.)* The upper part of a bearded god to r., with tiara, raising r. hand and holding two ears of corn in left. Æ. II. (Müller, *op. cit.*, vol. ii., p. 52, No. 29.)

3. *Obv.* AFR. FA. MAX. COS. PRO. COS. VIIVIR EPVLO. *(Africanus Fabius Maximus Consul Proconsul Septemvir Epulonum.)* Head of Fabius to r., bare. *Rev.* C. LIVIN. GALLVS Q. PRO. PR. *(C. Livineius Gallus Quæstor Pro Prætore.)* Elephant walking to l. crushing a serpent. Æ. II. (Müller, *op. cit.*, vol. ii., p. 61, No. 37.)

Nos. 2 and 3 were struck at Hadrumetum. L. Fabius Maximus Africanus was Consul in B.C. 10, and five years after, in B.C. 5, proconsul of Africa.

4. *Obv.* C. COEL. CALDVS COS. *(Caius Coelius Caldus Consul.)* Head of Coelius Caldus to r.; behind, a standard on which HIS. (Hispania); in front a boar. *Rev.* Figure seated on a throne, on which L. CALDVS VIIVIR EP. or EPV. or EPVL. *(Lucius Caldus Septemvir Epulonum)*; on either side a trophy; to l. C. CALDVS, to r. IMP. A. X. *(Caius Caldus imperator augur decem* [*vir-sacris faciendis*]; in the *exergue* CALDVS IIIVIR *(triumvir).* Æ. (8 frcs.) (Cohen, *Méd. Cons.*, Coelia, Nos. 5—10, pl. xiii., Nos. 5—10).

The moneyer is C. Coelius Caldus *triumvir*, who was quæstor in B.C. 51. C. Coelius Caldus is grandfather of the moneyer, consul in B.C. 94. C. Caldus X*vir* is perhaps an uncle of the moneyer, who is unknown, but who was proclaimed *Imperator* in the East. C. Caldus *Septemvir* is probably his father. (Mommsen, *Mon. Rom.*, vol. ii., p. 505, No. 286). [COELIA.]

VIL. PVB. *Villam Publicam.*—T. DIDI. IMP. VIL. PVB. *Titus Didius Imperator Villam Publicam* [*referit*] on silver coins of the *Didia Gens* [DIDIA; FONTEIA].

VIM. *Viminacium.*—P. M. S. COL. VIM. *Provinciæ Moesiæ Superioris Colonia Viminacium*, on brass coins of Gordianus Pius, Philip I., Otacilia, Philip II., Trajan Decius, Etruscilla, Herennius Etruscus, Hostilian, Trebonianus Gallus, Volusian, Æmilian, Valerian, Maximian, and Gallienus.

Viminacium a town of Moesia Superior and a Roman colony, supposed to have been founded by Gordianus Pius in A.D. 240. Coins of the Emperors from Gordianus Pius with dates AN. I *Anno primo* (A.D. 240) to Valerian and Gallienus AN. XVI *Anno Sexto Decimo* (A.D. 255) are in existence. [VIM.] The usual legend is P.M.S. COL. VIM. *Provinciæ Moesiæ Superioris Colonia Viminacium*, and the usual type a female standing between a lion and a bull; on a coin of Gordianus Pius the female holds two standards inscribed VII. and IIII. respectively, and on coins of Philip I., and Trebonianus Gallus and Volusian, the Emperor or Emperors take the place of the female.

VIN. *Vincas*—M. . . . VIN. *Margarita Vincas* on contorniates of Theodosius I. from *Tanini* (rare); Plaudius Valentinian III. (rare.)

VINCAS. *Vincas*—On various contorniates —ARTEMIVS VINCAS IMPERATOR PLENA Honorius (rare)—BONIFATI VINCAS VRSI Trajan (common)—EVTIMI VINCAS Miscellaneous (not common)—EXVPERANTI VINCAS Nero (common)—IM. . DATOR PENNA VINCAS Honorius from *Tanini* (rare)—MARGARITA VINCAS Placidius Valentinian III. (not rare)—M. *(Margarita)* VINCAS Theodosius I. (rare) and Placidius Valentinian III. (rare)—VRSE VINCAS Miscellaneous (not common)— . . . . VINCAS with VRBS ROMA (rare.) [CONTORNIATE COINS.]

VINDEX. *Vindex*—IMP. CAESAR DIVI F. COS. VI LIBERTATIS P. R. *(Populi Romani)* VINDEX on silver medallion of Augustus, struck in B.C 28. On reverse PAX.

VINICAS *(sic)* for VINCAS. *Vincas.*—EVTIMI VINICAS *(sic)* on contorniates of Theodosius I. and Honorius (rare.)

VINICI. *Vinicius*—L. VINICI. *Lucius Vinicius* [*Vinicia gens.*]

Vinicia gens, an equestrian family, but also plebeian. The following coins belong to it :—

1. *Obv.* CONCORDIAI or CONCORDIAE. Head of Concord to r., laureated. *Rev.* L. VINICI. *(Lucius Vinicius.)* Victory flying, holding a palm adorned with four crowns. Æ. (20 frcs.) (Cohen, *Méd. Cons.*, Vinicia No. 1; pl. lxii., Vinicia, No. 1; Mommsen, *Mon. Rom.*, vol. ii., p. 521, No. 304.)

This moneyer is probably Lucius Vinicius tribune of the people B.C. 51, and Consul in B.C. 33. He was moneyer about B.C. 58.

2. *Obv.* AVGVSTVS TR. POT. VII. or VIII. Head of Augustus to r., bare. *Rev.* L. VINICIVS L. F. IIIVIR. *(Lucius Vinicius Lucii filius triumvir.)* *Cippus* on which S. P. Q. R. IMP. CAE. QVOD V. M. S. EX EA P. Q. IS AD A. DE. *(Senatus Populusque Romanus Imperatori Cæsari Quod Viæ Munitæ Sunt ex ea Pecunia Quam is ad Aerarium Detulit).* Æ. (30 frcs.)

3. *Obv.* S. P. Q. R. IMP. CAES. on the pedestal of an equestrian statue to r., placed before the walls of a city. *Rev.* Same legend and type as No. 2. Æ. (30 frcs.)

4. *Obv.* Head of Augustus to r. bare. *Rev.* L. *(Lucius)* VINICIVS. Triumphal arch, on which is Augustus in a *quadriga* facing, holding a branch of laurel; on the pediment S.P.Q.R. IMP. CAES.; on either side an archer standing on a pedestal placed on side arches. Æ. (30 frcs.) (Cohen, *Méd. Imp.*, 2nd ed., vol. i., Nos. 541-544.)

These coins were struck by the Triumvir Lucius Vinicius, who with L. Mescinius Rufus and C. Antestius Vetus formed a college, and who entered on their duties in the viith tribunitian year of Augustus B.C. 16, and continued to the viiith tribunitian year B.C. 15. These are the last names of moneyers found on the gold and silver coins. Nos. 1—3 refer to the re-establishment of the roads [QUOD VIAE MVN. SVNT] and No. 4 to the restoration of the Roman standards by the Parthians [CIVIB. ET SIGN. MILIT. A PART. RECVP. or RECVPER.]

VINICIVS. *Vinicius.* [*Vinicia gens.*]

VINIRIO. *Vinirio* on small brass coins of Nero struck at Corinth from *Vaillant.* P. VINIRIO IIVIR COR. *Publio Vinirio Duumviro Corinthi* (Cohen, *Méd. Imp.* 2nd ed., vol. i., p. 307, No. 402.)

Vipsania gens equestrian family and later plebian. [AGRIPPA; SVLPICIA.]

Vipsania Agrippina, daughter of Agrippa by first wife Pomponia. Married to Tiberius, but divorced in A.D. 11. Died in A.D. 20. No coins.

VIR. *Vir, Viro, Viri, Viris*—IIVIR., IIIVIR., IIIIVIR., VIIVIR., XVVIR. [VIIVIR EP.; XVVIR SAC. FAC.]

Virgin Mary is frequently represented on the Byzantine coinage, and accompanied by the letters MP—ΘV (Μήτηρ Θεοῦ.) The type of the Virgin in various postures, generally seated, commences on the gold coins of Leo VI., in A.D. 886-912, with the name + MARIA + as well as the MP—ΘV, and continues till the reign of John V. Palæologus A.D. 1341-1391 (Madden, *Christian Emblems on the Coins of Constantine I., &c.*, in the *Num. Chron.* N.S., 1878, vol. xviii., pp. 183-188.)

VIRODV. *(Virodunum.)* Beardless head to r. helmeted. *Rev.* TVROCA. Equestrian figure with spear galloping to r. Æ. struck at Virodunum *(Verdun)* Galliæ Belgicæ (Akerman, *Coins of Cities and Princes,* p. 169).

VIRT. *Virtus* on silver coin of the *Fufia gens* [FVFIA; MVCIA.]

VIRT. *(Virtus.)* Helmeted bust of Valour to r. *Rev.* IVPPITER CVSTOS. Jupiter seated to l., holding thunderbolt and sceptre. Æ. (40 frcs.) Probably struck by Nero (Cohen. *Méd. Imp.*, 2nd ed., vol. i., p. 344, No. 373.)

VIRT. AETER. *(Virtus Aeterna.)* AVG. P. M. TR. P. XVII. COS. VII. P. P. Mars, nearly naked, walking to l. on a cuirass, holding branch in r. hand and spear and shield in l. *Obv.* L. AEL. AVREL. COMM. AVG. P. FEL. Bust of Commodus to r., laureated. Æ. (300 frcs.)

VIRT. AVG. *(Virtus Augusti—in field.)* P. M. TR. P. COS. III. (around.) Valour standing to l., foot on helmet holding *parazonium* and spear—on large brass coins of Hadrian (4 frcs.)

VIRT. AVG. *(Virtus Augusti.)* P. M. TR. P. X. IMP. VII. COS. IIII. Commodus galloping to r., hurling javelin at a lion or a panther—on gold coins (250 frcs.) and large brass (50 frcs.) of Commodus.

VIRT. AVG. *(Virtus Augusti.)* TR. P. COS. or TR. P. II. or VI. COS. II. P. P. Rome in military dress helmeted standing to l. holding Victory and spear—on gold coins (150 frcs.) and silver (c.) of Septimius Severus.

VIRT. AVG. *(Virtus Augusti.)* Vulcan and Minerva standing, the former holding a hammer and pincers, the latter a spear and leaning on a shield. *Obv.* IMP. C. CLAVDIVS AVG. Bust of Claudius II. to r., radiated. Æ. III. (8 frcs.)

VIRT. VG. *(sic—Virtus Augusti.)* Sun walking to l., raising r. hand and holding a whip. *Obv.* . . . TRICVS P. F. AVG. Bust of Tetricus I. to r. radiated. Æ. III. (3 frcs.)

VIRT. AVGG. *(Virtus Augustorum.)* Rome or Valour helmeted, in military dress, standing to l., holding Victory and spear and leaning on shield, or holding spear and shield—on gold coins from *Caylus* (150 frcs.) and silver coins (c.) of Septimius Severus and Caracalla.

VIRT. AVGG. COL. ANTIOCH. S. R. *(Virtus Augustorum Colonia Antiochiensis. Senatus Romanus.)* Geta on horseback, striking an enemy with his spear. *Obv.* IMP. CAES. P. SEPT. GETA AVG. Head of Geta, laureated. Æ. I., struck at Antiochia Pisidiæ. A similar type on Æ. I. coins of Gordianus Pius.

VIRT. AVGVT. *(sic)* NOSTRI. *(Virtus Augusti Nostri.)* Probus on horseback to r., holding a spear and following an enemy; behind, a barbarian with long beard following the Emperor, his hands fastened on his chest; in the *exergue* SIS. *(Siscia)*—on brass medallions of Probus (300 frcs.)

VIRT. EXERC. *(Virtus Exercitus.)* Plan of a camp; above it the Sun standing facing, raising r. hand and holding a globe, on small brass coins of Licinius I. and II. (20 frcs.), Constantine I.

(10 frcs.), Crispus (10 frs.) and Constantine II. (10 frcs.)

VIRT. EXERC. ROM. *(Virtus Exercitus Romani.)* Emperor in military dress walking r., dragging a captive by the hair and holding a trophy; in the *field* a star; in the *exergue* CONOB. *(Constantinopolis* 72)—on gold coins of Majorian (80 frcs.), and of Theodosius II. (35 frcs.)

VIRT. EXERCIT. GALL. *(Virtus Exercitus Gallicani.)* Soldier, helmeted, standing facing, holding spear and *parazonium*. *Obv.* FL. VAL. CONSTANTINVS AVG. Bust of Constantine I. r., radiated. Æ. III. (20 frcs.)

VIRT. GALLIENI AVG. *(Virtus Gallieni Augusti.)* Hercules, helmeted, standing facing, holding branch and club and carrying lion's skin —on gold coins of Gallienus. (600 frcs.)

VIRT. GALLIENI AVG. *(Virtus Gallieni Augusti.)* Gallienus on horseback piercing an enemy or Gallienus walking holding spear and shield, and placing foot on captive—on *Billon* coins of Gallienus. (c., *Quin* 20 frcs.)

VIRT. *(Virtus)* MILITVM. Aurelian standing to r. holding spear and globe facing a soldier, who holds Victory and spear. *Obv.* IMP. AVRELIANVS AVG. Bust of Aurelian to r., radiated. Æ. III. (c.)

VIRT. PERP. CONSTANTINI AVG. *(Virtus Perpetua Constantini Augusti.)* Valour, helmeted, standing to l. holding globe surmounted by Victory and spear, and leaning on a shield. *Obv.* IMP. C. CONSTANTINVS P. F. AVG. Bust of Constantine I. to r. Æ. III. (20 frcs.)

Virtus. Valour. The Roman personification of Valour was represented helmeted with spear and sword and standing with right foot on helmet. There was a golden statue of her at Rome which was melted by Alaric, king of the Goths. Valour is frequently represented on coins—VIRTVS AVG. or AVGG.

VIRTVS.—IIIVIR. *(Virtus.—Triumvir.)* Helmeted head of Valour to r. *Rev.* MV. AQVIL. MV. F. MV. N. *(Manius Aquillius, Manii filius, Manii Nepos.)* Soldier standing with shield, raising female; in the *exergue* SICIL. *(Siciliæ.)* R. (2 frcs.) The moneyer who issued this coin about B.C. 54, was probably a descendant of the Manius Aquillius, Consul in B.C. 101, who repressed the revolt of the slaves in Sicily (Mommsen, *Mon Rom.* vol. ii., p. 502, No. 282.) This exploit was again commemorated by Aquillius Florus, moneyer of Augustus in B.C. 20, who also placed on some of his coins the head of Valour. [AQVILLIA *gens.*]

VIRTVS. Rome (?) standing to l., holding Victory and *parazonium*, or Mars standing holding *parazonium* and spear, or sword and spear—on gold coins (250 frcs.), and silver coins (25 frcs.) of Galba.

VIRTVS. Helmeted bust of Valour to r. *Obv.* SER. *(Servius)* GALBA IMP. Galba on horseback to r. or l. raising r. hand. R. (50 frcs.)

VIRTVS. Helmeted head of Valour. *Rev.* IVPPITER CVSTOS. Jupiter standing. R. (40 frcs.) Not in Cohen (Boutkowski, *Diet. Num.*, tome i., p. 343, No. 755, *bis.*) Probably struck under Nero [VIRT.]

VIRTVS S. C. Valour standing or seated to l. holding *parazonium* and spear—on silver (with COS. II) and first and second brass coins (c.) of Marcus Aurelius.

VIRTVS. *Virtus.* HONOS ET VIRTVS on large brass coins of Galba—GLORIA SAECVLI VIRTVS CAES. on gold and silver coins from *Mionnet* of Constantine I., or CAESS. and CAESARIS on brass medallions of Constantine I. —INVICTA VIRTVS on silver coins of Septimius Severus and Caracalla, also on gold of Caracalla from Vaillant—PERPETVA VIRTVS on second brass coins of Constantine I.—PERPETVA VIRTVS AVG. *(Augusti)* on gold coins from *Banduri* of Licinius I.

VIRTVS. Victory walking to l. holding wreath and globe on which Victory. *Obv.* D. N. ЄRACLI. PP. A. *(Dominus Noster Eraclius Perpetuus Augustus.)* Bust of Heraclius facing, diademed. R. (75 frcs.)

VIRTVS frequently found on the *obverse* of the coins and medallions of the later Roman Emperors, sometimes representing them holding a horse and a shield on which are various figures—as VIRTVS POSTVMI AVG., VIRTVS FLORIANI AVG., VIRTVS PROBI AVG., VIRTVS PROBI INVICTI AVG., VIRTVS CARI AVG., VIRTVS DIOCLETIANI AVG., VIRTVS MAXIMIANI AVG. [*see* SALVIS AVGG. ET CAESS., &c.], VIRTVS CARAVSI AVG., VIRTVS CONSTANTI. AVGT. *(Constantii Augusti)*, &c.

VIRTVS A. *(Augusti.)* Providence (?) standing to l. holding a globe and a cornucopiæ. *Obv.* IMP. CARAVSIVS P. F. AVG. Bust of Carausius to r., radiated. Æ. III. (20 frcs.)

VIRTVS AEQVIT. *(sic.)* Soldier walking to r. holding spear and trophy. *Obv.* IMP. C. POSTVMVS AVG. Bust of Postumus to r. radiated. *Bil.* (6 frcs.)

VIRTVS AVG. *(Augusti.)* Various types. Valour standing l. holding spear and *parazonium*, sometimes placing foot on helmet; Valour standing r. holding spear and leaning on shield or holding Victory and spear; Valour seated l. holding Victory and spear or branch and sceptre; Valour seated r. holding spear and *parazonium*; Emperor in military dress standing, l. foot on helmet, holding globe and spear—sometimes suppliant female and captives; Emperor gallop-

ing to r. striking an enemy with spear; Mars, helmeted, standing or walking, holding olive branch and spear, or globe and spear, or spear and trophy, or spear and leaning on shield; Hercules standing leaning on club, holding lion's skin and bow, or trophy; Soldier standing leaning on shield and holding spear; Pallas helmeted, standing holding spear and leaning on shield—on coins of Antoninus Pius, Marcus Aurelius, Commodus, Pescennius Niger, Septimius Severus, Julia Domna (hybrid coin), Alexander Severus, Gordianus Pius, Philip I. and II., Trajan Decius, Æmilian, Gallienus, Postumus, Victorinus I., Marius, Claudius II., Quintillus, Aurelian, Tetricus I. and II., Tacitus, Florian, Diocletian, Carausius, Allectus, Constantius Chlorus, Severus II., Constans I., Constantius II., and Constantius Gallus.

VIRTVS AVG. *(Augusti*—in *exergue.)* IMP. VI. COS. III. Marcus Aurelius crossing a bridge over the Danube followed by two soldiers on foot and a horseman (*N.*) or by four or five soldiers on foot and a horseman (*Æ.* I.) on gold coins (400 frcs.) and large brass (50 frcs.) of Marcus Aurelius.

VIRTVS AVG. *(Augusti*—in *exergue.)* P. M. TR. P. XI. IMP. VII. COS. V. P. P. Rome or Valour seated to r. near a trophy on cuirass and shield, holding a *parazonium*; behind, Victory standing, holding a shield and on the ground a helmet. *Obv.* M. COMMODVS ANTONINVS PIVS FELIX AVG. BRIT. *(Britannicus.)* Bust of Commodus to r. laureated. *Æ.* Med. (300 frcs.)

VIRTVS AVG. *(Augusti*—retrograde.) Pallas standing to l. holding spear and leaning on a shield. *Obv.* CAI . . . ESC. NIGER IVS. *(Justus)* AVG. Head of Pescennius Niger to r. laureated. *Æ.* from *Wiczay.* (200 frcs.)

VIRTVS AVG. *(Augusti.)* Hercules standing r., resting head on club, and holding bow and lion's skin. *Obv.* IMP. GALLIENVS AVG. Bust of Gallienus to l., helmeted, with cuirass, and armed with spear and shield, on which the head of Medusa. *N.* Med. (600 frcs.)

VIRTVS AVG. *(Augusti.)* Helmeted bust of Mars to l., with the features of Gallienus or helmeted head of Valour to r., on gold (400 frcs.) and *billon* coins (60 frcs.) of Gallienus.

VIRTVS. AVG. *(Augusti.)* Gallienus standing to r., holding spear and receiving a Victory from the hands of Rome, helmeted standing, leaning against a shield and holding a spear, on *billon* coins (4 frcs.) of Gallienus.

VIRTVS AVG. *(Augusti.)* Gallienus standing to l., holding spear, crowning a trophy, and leaning on a shield; he is being crowned by Victory, standing, holding a palm; at the foot of trophy a captive kneeling between two captives, seated. *Obv.* IMP. GALLIENVS P. F. AVG. Bust of Gallienus to l., laureated, armed with spear and shield, ornamented with the head of Medusa. *Æ.* Med. (300 frcs.)

VIRTVS AVG. *(Augusti.)* Helmeted head of Gallienus to l. *Obv.* SALONINA AVG. *(Augusta.)* Bust of Salonina to r., diademed. *Bil.* (60 frcs.)

VIRTVS AVG. *(Augusti.)* Mars standing in a tetrastyle temple. *Obv.* IMP. C. VICTORINVS P. F. AVG. Bust of Victorinus I. to r., radiated. *Bil.* (20 frcs.)

VIRTVS AVG. *(Augusti.)* Victory walking to l. or to r., holding wreath and palm on *billon* coins (20 frcs.) of Carausius and Allectus.

VIRTVS AVG. *(Augusti.)* Vessel with four or seven rowers, or without rowers; sometimes on the prow a female standing—on billon coins of Allectus (10 to 20 frcs.)

VIRTVS AVG. *(Augusti.)* Lion standing to l., above in the field a club; in the *exergue* P. ARL. *(Prima Arelati.)* *Obv.* LICINIVS P. F. AVG. Head of Licinius I. to r. laureated. *N.* from *Schellersheim* (400 frcs.).

VIRTVS AVG. *(Augusti.)* Constantius II. in military dress, bare head, standing to r. leaning on shield and holding a globe surmounted by a Victory; to r. a female or a province seated on the ground. *Obv.* D. N. CONSTANTIVS P. F. AVG. Bust of Constantius II. to r. diademed. *Æ.* Med. (50 frcs.)

VIRTVS AVG. ET CAESS. NN. *(Augusti et Cæsarum Nostrorum.)* Mars, helmeted, walking to r., holding a spear and trophy; at his feet to r. a captive, seated; in the *exergue* SIRM. *(Sirmii.)* *Obv.* D. N. CONSTANTINVS MAX. AVG. Head of Constantine I. to r. laureated. *N.* Med. (300 frcs.)

VIRTVS AVG. N. *(Augusti Nostri.)* Constantine I. laureated, and in military dress, galloping to r. after a kneeling enemy. *Obv.* CONSTANTINVS MAX. AVG. Bust of Constantine I. to r. diademed. *Æ.* Med. (150 frcs.)

VIRTVS AVG. N. *(Augusti Nostri.)* Constantius II. laureated and in military dress standing to r., holding spear and globe; at his feet to l. and to r. captives seated; or Constantius II. in military dress standing to l. holding globe and spear—on large brass (50 frcs.) and brass medallions (80 frcs.) of Constantius II.

VIRTVS AVG. N. *(Augusti Nostri.)* Julian in military dress standing to l., holding branch and *vexillum*, and placing r. foot on captive seated on ground. *Obv.* D. N. CL. IVLIANVS N. C. *(Dominus Noster Claudius Julianus Nobilis Cæsar.)* Bust of Julian to r., bare, with cuirass on which head of Medusa. *Æ.* Med. (60 frcs.)

VIRTVS AVG. N. *(Augusti Nostri.)* Julian in military dress standing to l., holding laurel branch and standard, and placing r. foot on the back of a captive: in the *exergue* CONSZ. *(Constantinopolis* ?.) *Obv.* D. N. CL. IVLIANVS N. C. *(Dominus Noster Claudius Julianus Nobilis Cæsar.)* Head of Julian, bare. *Æ.* I. from *Wiczay* (30 frcs.) *Æ.* Med., with NOB. CAES. on *obverse* (60 frcs.) A similar brass medallion to the coin described is given by *Wiczay* with under the standard ☧. If this medallion is authentic, which is doubtful, it is the only piece known of Julian bearing the monogram of

Christ. (Madden, *Christian Emblems on the coins of Constantine* I. etc., in the *Num. Chron.* N.S., 1878, vol. xviii., p. 38.)

VIRTVS AVG. *(Augusti)* NOSTRI. Constantius II., bareheaded and in military dress, standing facing, leaning on a spear and holding a laurel branch. *Obv.* D. N. CONSTANTIVS P. F. AVG. Bust of Constantius II. to r., diademed. Æ. Med. (50 frcs.)

VIRTVS AVG. *(Augusti)* NOSTRI. Magnentius standing to l., holding globe and sceptre; at his feet to l. a captive kneeling; in the *exergue* TR. *(Treveris.)* *Obv.* IM. CAE. MAGNENTIVS AVG. Bust of Magnentius to r. Æ. Med. (200 frcs.)

VIRTVS AVGG. *(Augustorum.)* Various types [see VIRTVS AVG.] on coins of Septimius Severus, Caracalla, Gordianus Africanus I. and II., Philip II., Trebonianus Gallus, Volusian, Valerian, Gallienus, Saloninus, Tetricus I., Carus, Numerian, Carinus, Diocletian, Maximian Hercules, Carausius, Constantius Chlorus and Galerius Maximian.

VIRTVS AVGG. *(Augustorum.)* Caracalla in military dress standing facing, holding spear and *parazonium*; to l. a river reclining, leaning on an urn; to r., two figures reclining. *Obv.* ANTONINVS PIVS AVG. Head of Caracalla to r., laureated. Æ. (10 frcs.) A similar type occurs upon other silver coins with the legend PONTIF. TR. P. X. COS. II. Eckhel (*Cat. Mus. Vindob.*, 2nd part., p. 302), explains the three figures as Arabia, Parthia, and Adiabene.

VIRTVS AVGG. *(Augustorum.)* PONT. TR. P. IIII. S.C. Caracalla standing to l. in military dress, crowning a trophy and holding a spear; at foot of trophy two captives seated. *Obv.* ANTONINVS AVGVSTVS. Young bust of Caracalla to r., laureated. Æ. I. (60 frcs.)

VIRTVS AVGG. *(Augustorum)* S. C. Caracalla and Valour standing to l., helmeted, and each holding a spear; Caracalla also holds a Victory. *Obv.* ANTON. PIVS AVG. PON. TR. P. VI. Young bust of Caracalla to r., laureated. Æ. II. (10 frcs.)

VIRTVS AVGG. *(Augustorum.)* Valour standing facing, holding two standards. *Obv.* IMP. C. P. LIC. VALERIANVS AVG. Bust of Valerian to r., radiated. *Bil.* (6 frcs.)

VIRTVS AVGG. *(Augustorum.)* Romulus walking, carrying spear and trophy—on *billon* coins of Valerian (8 frcs.) and Gallienus (3 frcs.)

VIRTVS AVGG. *(Augustorum.)* Valerian and Gallienus standing facing each other, one holding spear and globe, the other a Victory and spear—on *billon* coins of Valerian and Gallienus (3 to 4 frcs.)

VIRTVS AVGG. *(Augustorum.)* Carus and Carinus in military dress, standing, holding a globe, on which sometimes a Victory, one holding a sceptre and the other a spear—on small brass coins of Carus (1 frc.) Varieties of this type occur on small brass coins of Numerian and Carinus (c.)

VIRTVS AVGG. *(Augustorum.)*—Various types, with Hercules either strangling the Nemæan lion or standing near the tree of the Hesperides, or seizing a stag by its antlers, &c.—on small brass coins (10 to 40 frcs.) of Diocletian, Maximian Hercules and Constantius Chlorus. A gold coin of Constantius Chlorus, from *Wiczay* (300 frcs.) also represents Hercules seizing a stag by its antlers.

VIRTVS AVGG. *(Augustorum.)* Trophy between two captives seated—on small brass coins of Constantius Chlorus (c. to 1 frc.)

VIRTVS AVGG. *(Augustorum.)* Lion, holding a sceptre in his paws; in the *exergue* XXI⌜. *Obv.* FL. VAL. CONSTANTIVS NOB. C. Bust of Constantius Chlorus, radiated. Æ. III., from *Banduri* after *Hardouin* (30 frcs.)

VIRTVS AVGG. *(Augustorum.)* Gate of a camp, open or shut—on small brass coins (c. to 10 frcs.) of Licinius I., Constantine I., Crispus and Constantine II.

VIRTVS AVGG. *(Augustorum.)* Victory standing to r., holding palm and cornucopiæ, facing Constans I., bare-headed, seated in front of a trophy. *Obv.* CONSTANS P. F. AVG. Head of Constans to r., diademed. Æ. Med. (100 frcs.)

VIRTVS AVGG. *(Augustorum.)* Decentius, galloping to r., against a captive kneeling *Obv.* MAG. *(Magnus)* DECENTIVS NOB. CAES. Bust of Decentius to r., bare, holding spear and globe, on which a Victory. Æ. Med. (100 frcs.)

VIRTVS AVGG. ET CAESS. *(Augustorum et Cæsarum.)* Maximian Hercules galloping to r., hurling javelin at a captive, and holding a shield; under his feet an enemy who has lost his shield; in the *exergue* SIS. *(Siscia.)* *Obv.* MAXIMIANVS AVG. Head of Maximian to r. laureated. *N.* *Autrefois Cabinet de France* (200 frcs.)

VIRTVS AVGG. ET CAESS. *(Augustorum et Cæsarum.)* Maximinus II. Daza walking to r., dragging a barbarian after him and holding a trophy; to r. a barbarian seated; in the *exergue* SIS. *(Siscia.)* *Obv.* MAXIMINVS NOB. C. *(Nobilis Cæsar.)* Head of Maximinus II. Daza to r., laureated. *N.* (300 frcs.)

VIRTVS AVGG. ET CAESS. NN. *(Augustorum et Cæsarum Nostrorum.)* The Emperor galloping, holding shield and spearing a barbarian: under his horse another barbarian and a shield—on second brass coins of Maximian Hercules, Constantius Chlorus, Severus II., Maximinus II. Daza, and Constantine I. (4 to 6 frcs.)

VIRTVS AVGG. ET CAESS. NN. *(Augustorum et Cæsarum Nostrorum.)* Mars, helmeted, walking to r. or l., holding spear and trophy or Victory and spear, sometimes leaning on shield: at his feet sometimes a captive seated—on second brass coins of Galerius Maximian (10 frcs.), and of Maximinus II. Daza. (c. to 10 frcs.)

VIRTVS AVGGG. *(Augustorum.)* Two Emperors (Carus and Carinus or Carinus and Numerian) in military dress, holding between them a globe surmounted by a Victory; one

holding a sceptre, the other leaning on a spear —on small brass coins of Carus and Carinus (1 to 8 frcs.)

VIRTVS AVGGG. *(Augustorum.)* Mars, helmeted, standing to r., holding a spear and leaning on a shield; in the *field* S. P.; in the *exergue* MLXXI *(Moneta Londinii* 21.) *Obv.* IMP. C. MAXIMIANVS P. F. AVG. Bust of Maximian Hercules to r., radiated. Æ. III. from *Banduri* (30 frcs.) Struck at London by Carausius in A.D. 289 [XXI.]

VIRTVS AVGGG. *(Augustorum.)* The Emperor in military dress, standing on a vessel, holding a Victory, or on a globe surmounted by a Phœnix and a standard, and placing foot on captive; Victory seated holds the rudder—on small brass coins of Valentinian II. and Theodosius I. (c. to 2 frcs.)

VIRTVS AVGVST. *(Augusti.)* Valour standing to r., foot on cuirass. *Obv.* IMP. CAES. VESPASIANVS AVG. Head of Vespasian to r., laureated. *R.* Foreign fabric (30 frcs.)

VIRTVS AVGVST. *(Augusti.)* Soldier standing to r., holding spear and club (?). *Obv.* L. SEPT. SEV. AVG. IMP. XI. PART. MAX. Head of Septimius Severus to r., laureated. *R.* (c.)

VIRTVS AVGVSTI. Alexander Severus, bare headed, in military dress, holding a spear, walking to r., with a soldier who carries a trophy, and holding a shield; a Victory standing behind the Emperor is crowning him. *Obv.* IMP. ALEXANDER PIVS AVG. Bust of Alexander Severus to r. Æ. Med. (300 frcs.)

VIRTVS AVGVSTI S. C. Valour, helmeted, standing r., holding spear and leaning on a shield, or Romulus, bareheaded, walking to r., and holding spear and trophy, or Alexander Severus, in military dress, standing to l., placing foot on helmet and holding a globe and spear —on large brass coins of Alexander Severus (c. to 6 frcs.)

VIRTVS AVGVSTI. Gordianus Pius in military dress standing to l., receiving a globe presented to him by the Sun, radiated, and holding a spear; he is crowned by Valour standing behind him leaning on a spear; to l. a soldier standing holding a spear and a standard; in the middle a child standing facing and three military standards; on the ground two captives seated. *Obv.* IMP. GORDIANVS PIVS FELIX AVG. Bust of Gordianus Pius to r., laureated, or bust to l. laureated, holding a sceptre; on his chest the Emperor is represented on horseback to l. raising the r. hand and preceded by Victory. Æ. Med. (400 frcs.)

VIRTVS AVGVSTI. Gordianus Pius seated to l., crowned by Victory standing, who holds a palm; in front, two soldiers holding standards; in the middle, a figure standing facing; at the side of the Emperor, on the ground, a cuirass and shield. *Obv.* IMP. GORDIANVS PIVS FELIX AVG. Bust of Gordianus to r., laureated. Æ. Med. (300 frcs.)

VIRTVS AVGVSTI S. C. Gordianus Pius in military dress on horseback to l., raising the r. hand and hurling a javelin against an enemy. *Obv.* IMP. GORDIANVS PIVS FEL. AVG. Bust of Gordianus Pius to r. laureated. Æ. I. (30 frcs.)

VIRTVS AVGVSTI S. C. Gordianus Pius in military dress seated to l. on a cuirass, holding a spear and crowned by Victory standing behind him, holding a palm; he is receiving a laurel branch from Valour helmeted, standing before him; in the middle of them standards. *Obv.* IMP. GORDIANVS PIVS FEL. AVG. Bust of Gordianus Pius to r., laureated. Æ. II. (25 frcs.)

VIRTVS AVGVSTI. Hercules, naked, standto r. leaning on a club placed on a rock, and covered with a lion's skin—on gold (200 frcs.) and *billon* coins (2 frcs.) of Gallienus.

VIRTVS AVGVSTI. Mars, helmeted, standing to l. placing foot on helmet and holding a branch and a sceptre; in the field X—on *billon* coins (c.) of Gallienus and Æ. III. (3 frcs.) of Claudius II.

VIRTVS AVGVSTI. Helmeted head of Gallienus. *Rev.* SALONINA AVG. Bust of Salonina. Æ. II. from *Vaillant.*

VIRTVS AVGVSTI. Trophy, with javelins, shield, and a clarion between a female and a male captive. *Obv.* IMP. C. AVRELIANVS AVG. Bust of Aurelian to r., laureated. *N.* (300 frcs.)

VIRTVS AVGVSTI. Hercules, naked, standing placing r. hand on a trophy and holding in the l. a club and lion's skin. *Obv.* IMP. C. M. CL.? *(Caius Marcus Claudius)* TACITVS AVG. Bust of Tacitus, laureated, holding an ivory baton. Æ. Med., from *Vaillant* (300 frcs.)

VIRTVS AVGVSTI. Mars, helmeted, naked, with flowing mantle, walking to r. holding spear and trophy; at his feet a captive. *Obv.* VIRTVS FLORIANI AVG. Bust of Florian to l., laureated, holding sceptre and shield. *N.* (500 frcs.)

VIRTVS AVGVSTI. Mars walking to r., holding spear and trophy, or Florian standing holding spear and globe, or Florian in military dress walking to r., holding spear and shield and placing foot on captive—on third brass coins of Florian. (3 frcs.)

VIRTVS AVGVSTI. Mars, half naked, walking to r. holding spear and trophy; on either side a captive; in the *exergue* SIS. *(Siscia)*; or Probus standing to l. crowning a trophy and holding a sceptre; at foot of trophy two captives—on gold coins of Probus (150 frcs.)

VIRTVS AVGVSTI. Probus galloping to l., hurling to his feet two enemies and piercing a third with his spear. *Obv.* IMP. PROBVS P. F. AVG. Bust of Probus to l., laureated, with the cuirass ornamented with the head of Medusa, holding a globe surmounted by Victory and a *parazonium.* Æ. Med. from *Tanini* (350 frcs.) A similar type occurs on his small medallions (150 frcs.)

VIRTVS AVGVSTI. Mars, helmeted, standing to l., leaning on his shield and holding a spear; or Mars, helmeted, naked, with mantle flowing, walking to r. and holding spear and trophy, or Probus standing to l. crowning a trophy, at foot of which a captive, or Probus walking to r., holding spear and shield and

placing foot on captive, or Probus on horseback riding to l. against a captive *(Wiczay)*—on small brass coins of Probus (c. to 6 frcs.)

VIRTVS AVGVSTI. Lion walking to l.; in the *field*, a club; in the *exergue* T.ARL. *(Tertia Arelati)* or ARL. *(Arelati)*. *Obv.* CONSTANTINVS P. F. AVG. Head of Constantine I. to r., laureated. *Æ.* (120 frcs.)

VIRTVS AVGVSTI. The Emperor standing facing looking to r., holding a spear and leaning on a shield—on small brass coins of Constantine I. (6 frcs.), and Constantine II. (10 frcs.)

VIRTVS AVGVSTI. Standard between two captives seated; on the standard VOT. X.—on small brass coins of Constantine I. from *Banduri* (20 frcs.)

VIRTVS AVGVSTI. Constans I., laureated, standing to r., holding spear and globe. *Obv.* CONSTANS P. F. AVG. Head of Constans I. to l. with diadem. *Æ.* I. from *Havercamp* (80 frcs.)

VIRTVS AVGVSTI. Constantius II., standing, holding spear and *parazonium*, kicking a captive with l. foot and crowned by a Victory standing behind him. *Obv.* D. N. *(Dominus Noster)* CONSTANTIVS VICTOR AVG. Bust of Constantius II., diademed. *Æ.* Med. (100 frcs.)

VIRTVS AGVSTI *(sic.)* Leo I. standing wearing *paludamentum*, holding a cross in r. hand and the *labarum* in l. In the *field*, M. D. *Mediolani*—Milan): in the *exergue* COMOB. *Obv.* D. N. LEO PERPET., or PERPETV., or PERPETVVS AVG. Bust of Leo I. to r., diademed. *Æ.* (25 frcs.) [See remarks on the explanation of the letters OB., etc., under VALENTINIANVS I.]

VIRTVS AVGVSTI N. *(Nostri.)* Mars, helmeted, naked, with mantle flowing, walking to r., and carrying a spear and a trophy, between two captives seated; or Constantine I. galloping to r., and hurling a javelin against a kneeling enemy; under his feet a dead enemy; in the *exergue* P. TR. *(Prima Treveris)*—on gold coins of Constantine I. (100 to 200 frcs.)

VIRTVS AVGVSTI N. *(Nostri.)* Constantius II. in military dress, standing to r., holding a spear and laurel branch, and placing his feet on the back of a captive. *Obv.* D. N. *(Dominus Noster)* CONSTANTIVS P. F. AVG. or D. N. CONSTANTIVS VICTOR AVG. *(Tanini.)* Bust of Constantius II. to r., diademed. *Æ.* I. and and *Æ.* Med. (50 to 100 frcs.)

VIRTVS AVGVSTI N. *(Nostri.)* Military figure walking, holding javelin in r. hand and globe in l.; on the ground two captives, or armed man standing, holding globe in r. hand and spear in l.—on *Æ.* Med. of Constantius II. from *Mionnet* (50 frcs.)

VIRTVS AVGVSTI NOSTRI. Magnentius standing to r., holding the *labarum* and placing his l. hand on the head of a captive; in the *exergue* SMAQ. *(Signata Moneta Aquileiæ.)* *Æ.* Med. (400 frcs.)

VIRTVS AVGVSTOR. *(Augustorum.)* Rome or Valour, helmeted, seated to l., holding Victory and a *parazonium*; before or behind her, a shield—on silver coins (c.) and second brass (4 frcs.) of Septimius Severus, on silver coins (3 frcs.) and *Æ.* I. (8 frcs.), *Æ.* II. (6 frcs.) of Caracalla, on silver coins of Caracalla and Geta (300 frcs.), and on silver coins (5 frcs.) and second brass (10 frcs.) of Geta.

VIRTVS AVGVSTOR. *(Augustorum.)* Carinus and Numerian standing opposite each other. The latter is crowned by the Sun and the former by Hercules who holds a club and lion's skin. *Obv.* IMP. C. M. AVR. *(Cæsar Marcus Aurelius)* CARINVS P. F. AVG. Bust of Carinus to r., laureated. *Æ.* Med. (200 frcs.)

VIRTVS AVGVSTORVM. Severus, Caracalla, and Geta galloping to l.—on gold coins of Severus and Caracalla (300 frcs.)

VIRTVS AVGVSTORVM. Volusian standing to l., sacrificing at a lighted tripod, and crowned by a soldier standing behind him leaning on his shield; before him, a flute-player; at the foot of tripod a bull; behind two legionary eagles. *Obv.* IMP. CAE. C. VIB. *(Caio Vibio)* VOLVSIANO AVG. Bust of Volusian to l., laureated, holding sceptre surmounted by an eagle. *Æ.* Med. (400 frcs.)

VIRTVS AVGVSTORVM. Gallienus helmeted, seated to l. on a cuirass, crowned by Victory standing behind him holding a palm; before him an armed warrior, helmeted and holding shield, presents to him a branch; in the *field* two standards. *Obv.* IMP. GALLIENVS PIVS FEL. AVG. Bust of Gallienus to l., laureated, armed with spear and shield ornamented with the head of Medusa. *Æ.* Med. (400 frcs.) [*See* VABALATHVS.]

VIRTVS AVGVSTORVM. Two horsemen attacking six captives; above two Victories presenting them with wreaths. *Obv.* IMP. NVMERIANVS AVG. Bust of Numerian to l., laureated, holding a horse by the bridle and a spear. *Æ.* Med. from *Vaillant* (400 frcs.)

VIRTVS AVGVSTORVM. Hercules standing to r., leaning on his club and holding with his left hand a bow and lion's skin—on *Æ.* III. of Diocletian (6 frcs.) and Maximian Hercules (4 frcs.)

VIRTVS AVGVSTORVM. Emperor standing, holding spear and globe; at his feet a captive; or holding a spear and laurel branch or a standard, and leaning on a spear—on *Æ.* III. (6 frcs.) of Constantius II., on *Æ.* Med. of Magnentius (50 frcs.), and of Theodosius I. (100 frcs.)

VIRTVS CAES. *(Cæsaris.)* Constantine II. standing before a trophy; on either side a captive seated. *Obv.* CONSTANTINVS IVN. NOB. CAES. *(Junior Nobilis Cæsar.)* Bust of Constantine II. to r., laureated. *Æ.* Med. from *Vaillant* (200 frcs.)

VIRTVS CAESARIS. Julian II., bareheaded, standing to r., holding spear and globe; on either side a captive seated; in the *exergue* R. *(Romæ.)* *Obv.* D. N. CL. *(Dominus*

Noster Claudius) IVLIANVS N. C. *(Nobilis Cæsar.)* Bust of Julian II. to r., bare. Æ. Med. (80 frcs.)

VIRTVS CAESARVM. The Emperor, laureated, standing, erecting a trophy or fixing a shield to a trophy, at foot of which a captive—on brass medallions of Constans I. and Constantius II. (80 frcs.)

VIRTVS CAESS. *(Cæsarum.)* Gate of a camp surmounted by a star—on small brass coins of Constantine I. (?) from *Banduri* (5 frcs.), Crispus from *Wiczay* (3 frcs.), Constantine II. (c.) and Constantius II. (c.)

VIRTVS CAESS. *(Cæsarum.)* Constantine II., galloping to r. over two enemies. *Obv.* CONSTANTINVS. IVN. NOB. C. *(Junior Nobilis Cæsar.)* Bust to r., laureated. Æ. Med. (25 frcs.)

VIRTVS CAESS. *(Cæsarum.)* Constans I., laureated, standing facing looking to l., attaching a shield to a trophy, at the foot of which a female seated holding a sceptre. *Obv.* D. N. FL. *(Dominus Noster Flavius)* CONSTANS AVG. Bust of Constans I. diademed. Æ. Med. from *Banduri* (80 frcs.)

VIRTVS CAESS. *(Cæsarum.)* Constantius II. standing before a trophy. *Obv.* FL. IVL. CONSTANTIVS NOB. C. *(Cæsar.)* Bust of Constantius II. to r. Æ. II. from *Banduri* (6 frcs.)

VIRTVS CAESS. *(Cæsarum.)*—GLORIA SAECVLI VIRTVS CAESS. *(Cæsarum)*—on brass medallions of Constantine I. [GLORIA SAECVLI, &c.]. VIRTVS CAES. *(Cæsaris)* occurs on some of his gold and silver coins given by *Mionnet*.

VIRTVS CARI INVICTI AVG. *(Augusti.)* Hercules, naked, standing, to r., leaning on his club, which is covered with a lion's skin and placed on a rock. *Obv.* IMP. C. M. AVR. *(Cæsar Marcus Aurelius)* CARVS P. F. AVG. Bust of Carus to r., laureated. *R.* (250 frcs.)

VIRTVS CLAVDI A . . . *(Claudii Augusti.)* Claudius II. on horseback to r., hurling his spear at a prostrate enemy; under the horse two others and a shield. *Obv.* IMP. C. M. AVR. CLAVDIVS AVG. Bust of Claudius II. to r., laureated. *R.* (1200 frcs.)

VIRTVS CONSTANTI AVG. *(Constantii Augusti.)* Constantius II. standing to l. holding the *labarum* and a sceptre; at his feet a captive seated; in the *exergue* SMAQ. *(Signata Moneta Aquileiæ.) Obv.* CONSTANTIVS P. F. AVG. Bust of Constantius II. to r., diademed. *R.* Med. (500 frcs.)

VIRTVS CONSTANTI CAES. *(Constantii Cæsaris.)* Constantius II. walking to r., holding spear and trophy; at his feet two captives; in the *exergue* SMN. *(Signata Moneta Nicomediæ.) Obv.* FL. IVL. CONSTANTIVS AVG. Bust of Constantius II. to r., diademed. *R.* Med. (300 frcs.)

VIRTVS CONSTANTINI AVG. *(Augusti.)* The Emperor standing between two captives, holding spear and trophy; in the *exergue* SMTS. *(Signata Moneta Thessalonicæ)*—on gold coins of Constantine I. from *Banduri* (200 frcs.) and gold medallion of Constantius II. (400 frcs.)

VIRTVS CONSTANTINI CAES. *(Cæsaris.)* Constantine I., laureated, galloping to r., holding a shield and piercing with his spear an enemy kneeling; under the horse a dead enemy and a shield. *Obv.* CONSTANTINVS NOB. CAES. Head of Constantine I. to r., laureated. Æ. II. (20 frcs.)

VIRTVS CONSTANTINI CAES. *(Cæsaris.)* Mars, walking, holding a spear and trophy; on either side a captive; in the *exergue* SMN[*(Signata Moneta Nicomediæ* 3.*) Obv.* CONSTANTINVS IVN. NOB. C. *(Junior Nobilis Cæsar.)* Bust of Constantine II. to r., laureated. *R.* Med. (400 frcs.)

VIRTVS CONSTANTIS AVG. *(Augusti.)* Constans I. standing holding the *labarum* and a spear, at his feet a captive; in the *exergue* SMAQ. *(Signata Moneta Aquileiæ.) Obv.* (?) *R.* Med. from *Mionnet* (400 frcs.)

VIRTVS COS. II. Valour, helmeted, standing to r., the l. foot placed on a helmet, holding spear and *parazonium*—on silver and first and second brass coins of Marcus Aurelius (c.)

VIRTVS DD. NN. AVGG. *(Dominorum Nostrorum Augustorum.)* The Emperor standing to l. holding the *labarum*; in the *exergue* TR. *(Treveris)*—on silver medallions of Constans I. (80 frcs.) and Constantius II. (50 frcs.)

VIRTVS EQVIT. *(Equitum.)* Soldier walking to r. holding spear and shield; sometimes in the *exergue* T. *Obv.* IMP. POSTVMVS AVG. Bust of Postumus to r., radiated. *Bil.* (c.)

VIRTVS EQVITVM. Hercules, naked, standingto r., leaning on his club enveloped in a l on's skin and placed on a rock; sometimes in the *exergue* S or Z. *Obv.* IMP. C. *(Cæsar)* POSTVMVS P. F. AVG. Bust of Postumus to r., radiated. *Bil.* (c.)

VIRTVS EXERC. *(Exercitus.)* Valentinian II. standing to l. on a vessel holding a globe surmounted by a Victory and the *labarum*, and placing r. foot on the back of a captive; to r. a figure holding the rudder. *Obv.* D. N. *(Dominus Noster)* VALENTINIANVS P. F. AVG. Bust of Valentinian II. to r., diademed. *R.* from *Wiczay* (20 frcs.)

VIRTVS EXERC. GALL. *(Exercitus Gallicani.)* Julian II., helmeted, walking to r.; dragging by the hair a captive and holding a trophy; in the *field* a wreath or an eagle holding a wreath in its beak; in the *exergue* KONSTAN (TAN in monogram—*(Constantinæ-Arles.) Obv.* FL. CL. IVLIANVS P. P. *(Pius Perpetuus)* or P. F. AVG. Bust of Julian II., bearded, to r., diademed. *R.* (60 frcs.)

VIRTVS EXERCIT. *(Exercitus.)* Trophy at foot of which two captives, or standard, on which VOT. *(Votis)* X. or XX. between two captives—on small brass coins (c.) of Licinius I., Licinius II., Constantine I., Crispus, and Constantine II. It is upon the coins with the legend VIRTVS EXERCIT. and the type of the standard on which VOT. XX. that the monogram ☧ occurs in the *field*. There is little reason to doubt that this sign is intended for the Christian monogram, though at this period of the reign of

Constantine I. expressed in somewhat a latent manner. This series was probably introduced about the year A.D. 319. It is anterior to 323, coins of both the Licinii being common to it, while those of Constantius II. *Cæsar* are wanting. Coins with this monogram cannot be classed as "common." (Madden, *Christian Emblems on Coins of Constantine I., &c.*, in the *Num. Chron.* N. S., 1877, vol. xviii., p. 53.) The *top* of the standard on some of these coins, on which there is no monogram in the *field*, sometimes ends in a cross. (Madden, *op. cit.*, p. 257.)

VIRTVS EXERCIT. *(Exercitus.)* Square altar, on which a globe surmounted by three stars; on the front of the altar VOTIS XX. *Obv.* CONSTANTINVS NOB. CAES. Bust of Constantine I. to r., helmeted. Æ. III., from *Banduri* (20 frcs.)

VIRTVS EXERCIT. *(Exercitus.)* The design of a camp; in the midst, above, the Sun, radiated, standing to l., holding a globe. *Obv.* D. N. CONSTANTIVS P. F. AVG. Bust of Constantius II. to r. Æ. III., from *Ducange* (10 frcs.)

VIRTVS EXERCIT. *(Exercitus.)* Theodosius I., diademed, standing to r., holding a standard and placing foot on a seated captive; sometimes a cross in the *field*. *Obv.* D. N. THEODOSIVS P. F. AVG. Bust of Theodosius I. to r. Æ. II. (c.)

VIRTVS EXERCITI. Valour or a soldier standing to r., holding spear and leaning on shield, in the *exergue* TR. *(Treveris)*—on silver coins of Magnentius (30 frcs.), and of Decentius (200 frcs.)

VIRTVS EXERCITI. The Emperor standing holding the *labarum* and globe, and placing foot on or kicking a captive, sometimes in the *field* ☧ or a palm—on third brass coins of Valentinian I. from *Wiczay* (6 frcs.), and on second brass coins of Valentinian II. (c.), Theodosius I. (c.), and Magnus Maximus (10 frcs.)

VIRTVS EXERCITI. The Emperor standing, facing, diademed, holding a spear and leaning on a shield; a Victory, standing to l., holding a palm, is crowning him—on third brass coins of Honorius (c.), and on gold of Arcadius (50 frcs.)

VIRTVS EXERCITI. Arcadius standing to r., holding the *labarum* and a globe, placing r. foot on a captive; in the *field* sometimes ☧, sometimes a star; in the *exergue* CONS. Δ *(Constantinopolis* 4); SMNΔ. *(Signata Moneta Nicomediæ* 4); ALEA *(Alexandriæ* I); ANTS *(Antiochiæ)*, &c. *Obv.* D. N. ARCADIVS P. F. AVGVSTVS or AVG. Bust of Arcadius to r., diademed. Æ. (c. to 2 frcs.)

VIRTVS EXERCITVM *(sic—Exercituum.)* The Emperor standing between two captives, holding a trophy and leaning on a shield; in the *exergue* TES. *(Thessalonicæ)*—on gold medallions of Constans I. (400 frcs.) and Constantius II. (1000 frcs.) A similar type also on second brass coins of Vetranio (25 frcs.)

VIRTVS EXERCITVM. *(sic—Exercituum.)* Four military standards; on the second the letter A, and on the third Ⱳ; above ☧; in *exergue* R. *(Romæ)*. *Obv.* D. N. CONSTANS P. F. AVG. Bust of Constans, diademed. Æ. Med. (80 frcs). Though this is the earliest example of the A and Ⱳ on *coins*, these letters were probably employed before this date, perhaps even before the Council of Nice in A.D. 325, as proved by the tomb of the martyr Heraclius, who suffered long before the reign of Constantine, found in the cemetery of Priscilla (Aringhi vol. I., p. 605. Roma, 1651-59), by an inscription given by Fabretti *(Inscr. Ant. Explic.*, p. 739, Roma. 1699), and by a cup given by Boldetti from the cemetery of Callixtus *(Oss. sopra i cim.*, &c., p. 194, pl. iii., No. 4, Roma, 1720). The Arians carefully avoided their use (Giorgi, *De Mon. Christi*, p. 10, Roma, 1738), and it was not till about A.D. 347 that these letters commenced to come into general use in any case on coins. The origin of these letters can of course be traced to the words of St. John, Ἐγὼ τὸ Α καὶ τὸ Ω, ὁ πρῶτος καὶ ὁ ἔσχατος, ἡ ἀρχὴ καὶ τὸ τέλος. (Rev. xxii. 13, and cf. I, 8, 11; xxi. 6—"I am *Alpha* and *Omega*, the first and the last, the beginning and the end"), and the poet Prudentius *(Cathemerinon*, IX. 10), who was born during the reign of Constantius II. and Constans (A.D. 348), mentions them as follows:—

> "Corde natus ex parentis ante mundi exordium,
> Alpha et Ⱳ cognominatus; ipse fons et clausula
> Omnium, quæ sunt, fuerunt, quæque post futura sunt."

As to the form Ⱳ instead of Ω the Padre Garrucci *(Hagioglypta*, p. 168, *note)*, asserts that the Ω nowhere occurs on any authentic Christian monument, and condemns, as does de Rossi, a ring published by Costadoni on which is a dolphin between the letters A and Ω. The letters A and Ⱳ may also be found on either side of ☧ on second brass coins of Constantius II. (3 frcs.), with the legend SALVS AVG. NOSTRI. On the whole question see Madden, *Christian Emblems on the Coins of Constantine I., &c.*, in the *Num. Chron.* N. S., 1878, vol. xviii., p. 32. *seq.*, and art. *Money* in Smith's and Cheetham's *Dict. of Christian Antiq.*

VIRTVS EXERCITVS. Valour, helmeted, standing to r. holding a spear, leaning on a shield and placing l. foot on a helmet—on silver coins of Philip I. (3 frcs.)

VIRTVS EXERCITVS. Heap of arms, similar to those on the coins of Marcus Aurelius with DE GERM. and DE SARM. *Obv.* POSTVMVS PIVS AVG. Head of Postumus to r., laureated. Æ. (500 frcs.)

VIRTVS EXERCITVS. Mars, helmeted, walking r., holding spear and trophy, and on l. arm a shield—on second brass coins of Galerius Maximian (c.) and of Maximinus II. (3 frcs.)

On some Æ. II. of Maximinus II. (30 frcs.) Mars holds a spear and shield, and in front there is an altar.

VIRTVS EXERCITVS. Soldier standing holding spear and leaning on shield—on silver medallion of Constantine I. (100 frcs.), and on silver coins of Constantius II. (60 frcs.)

VIRTVS EXERCITVS. The Emperor standing holding *labarum* or standard (or globe and spear) and leaning on shield—on coins of Vetranio (Æ. III. from *Banduri* 40 frcs.), Decentius (Æ. III. from *Banduri* 8 frcs.), Valentinian I. (*R.* 60 frcs.), Valens (*R.* 60 frcs.), Gratian (*R.* 60 frcs.), Valentinian II. (*R.* Med. 100 frcs.), Theodosius I. (*R.* Med. 100 frcs.), Magnus Maximus (*N.* Med. 500 frcs.; *R.* Med. 300 frcs.), and Arcadius (*N.* 48 frcs.)

VIRTVS EXERCITVS. Three standards; in the *exergue* SMKΔ *(Signata Moneta Kyzici* 4.) *Obv.* D. N. FL. CL. *(Dominus Noster Flavius Claudius)* CONSTANTIVS NOB. CAES. Head of Constantius Gallus, bare. *R.* from *Eckhel* (150 frcs.)

VIRTVS EXERCITVS. Julian II., helmeted, standing r., holding in r. hand a spear and in the l. an eagle, who has a wreath in its beak; on the ground a shield; in the *exergue* P. CONST. *(Prima Constantinæ—Arles.) Obv.* D. N. FL. CL. IVLIANVS P. F. AVG. Bust of Julian II. to r., diademed. *R.* Med. (120 frcs.)

VIRTVS EXERCITVS. GALL. *(Gallicani.)* Mars, helmeted, walking r., holding spear and trophy; in *field* sometimes a star, and generally at his feet two captives seated—on gold coins of Licinius I. (from *Wiczay*, 400 frcs.), and Constantine I. [see woodcut *without* captives] (150 frcs.), Constantine II. (from *Schellersheim* (250 frcs), Constans (60 frcs.), and Constantius II. (50 frcs.)

VIRTVS EXERCITVS ROMANI or ROMANORVM. Same type as previous coin described—on gold coins of Julian II. (50 to 60 frcs.)

VIRTVS FALERI *(? Valeriani.)* Quiver, lion's skin, club, vase, and bow—on *billon* coins of Gallienus (30 to 50 frcs.) [VALERI.]

VIRTVS GALLIA[RVM.] Gallienus on horseback, to r., riding over two enemies; he is preceded by a soldier and two others are following him. *Obv.* GALLIENVS PIVS FEL. AVG. GERM. Bust of Gallienus to l., laureated, holding in r. hand a spear, and in l. a shield, on which a figure seated at foot of trophy. *Bil.* Med., from Boutkowski, *Dictionnaire Numismatique*, 1884, p. 1226. Now in the *Cabinet des Médailles*, Paris, (2000 frcs.)

VIRTVS GALLIENI AVGVSTI. Gallienus, bareheaded, walking to l., carrying a standard with two hands. *Obv.* IMP. GALLIENVS PIVS FELIX AVG. Bust of Gallienus to r., laureated, holding a *caduceus*. *N.* Med., from *Tanini* (2500 frcs.)

VIRTVS HERCVLI CAESARIS. Constantius I. Chlorus on horseback to r., holding a spear; in the *exergue* TR. *(Treveris.) Obv.* CONSTANTIVS NOB. C. *(Nobilis Cæsar.)* Head of Constantius I. Chlorus to r., laureated. *N.* (300 frcs.)

VIRTVS ILLYRICI. Mars, helmeted, naked, with mantle flowing, walking r., carrying spear and trophy; at his feet a captive—on coins of Aurelian (*N.* 200 frcs.; Æ. III., from *Tanini* 10 frcs.)

VIRTVS ILLYRICI. Emperor galloping to r., holding spear; below, a galley with four rowers; in the *exergue* TR. *(Treveris)*—on gold coins of Diocletian (300 frcs.), Maximian Hercules (300 frcs.), and Constantius I. Chlorus (300 frcs.)

VIRTVS IN. AVG. *(Invicti Augusti.)* Carausius standing to r., holding a spear and a globe; in the *exergue* L. *(Londini.) Obv.* IMP. CARAVSIVS P. F. IN. *(Invictus)* Bust of Carausius to r., laureated. *R.* (250 frcs.)

VIRTVS INVIC. *(Banduri)* or INVICTI AVG. Probus galloping to r., spearing a fallen enemy and holding a shield. Sometimes a Victory is flying before Probus crowning him—on small brass coins of Probus (3 to 10 frcs.)

VIRTVS INVICTI AVG. Probus standing, placing foot on seated captive and holding a spear and *parazonium*; he is crowned by the Sun, standing, holding a whip. *Obv.* VIRTVS PROBI AVG. Bust of Probus to l., with helmet radiated, holding spear and shield. Æ. III. (20 frcs.)

VIRTVS IOVI CAESARIS. Galerius Maximian on horseback; in the *exergue* TR. *(Treveris). Obv.* MAXIMIANVS NOB. C. *(Nobilis Cæsar).* Head of Galerius Maximian to r., laureated. *N.* (300 frcs.) The title of *Jovius* was taken by Diocletian and that of *Herculeus* by Maximian (Vict. *In Cæs.*) and is attested by their coins. Galerius Maximian having married Valeria, the daughter of Diocletian, was called *Cæsar Jovius*, as on this coin; Constantius Chlorus, who married Theodora, the daughter-in-law of Maximian, was called *Cæsar Hercules* [VIRTVS HERCVLI CEASARIS]. Maximin II. Daza, who had been created by Galerius, *Cæsar*, assumed by right of adoption the title of *Jovius* (IOVIVS MAXIMINVS NOB. CAES.) as Eusebius *(Hist. Eccles.* ix., c. 9.), has given him. Licinius I. and II. also adopted it (DD. NN. IOVII LICINII INVICT. AVG. ET CAES.)

VIRTVS MIL. *(Militum.)* The Emperor (?) helmeted, standing, holding a spear and leaning on a shield. *Obv.* IMP. GALLIENVS AVG. Head of Gallienus, radiated. *Bil.* (10 frcs.)

VIRTVS MILIT. *(Militum.)* Aurelian on horseback to l., holding a sceptre. *Obv.* IMP. AVRELIANVS AVG. Bust of Aurelian to r., radiated. Æ. III. (10 frcs.)

VIRTVS MILITVM. Valour standing to l., holding a standard on which XXX—on gold coins (1800 frcs.), and silver coins (300 frcs.) of Lælian.

VIRTVS MILITVM. Aurelian standing to r. or to l., holding globe and spear; a soldier holding a spear presents him with a Victory—on small brass coins of Aurelian (c.)

VIRTVS MILITVM. Four soldiers sacrificing on a tripod before the gate of a camp; in the *exergue* A, B, C, D, E or Є, Γ &c., a club, or nothing—on silver coins of Diocletian (8 frcs.), Maximian Hercules (8 frcs.), Constantius I. Chlorus (12 to 20 frcs.), and Galerius Maximian (10 frcs.)

VIRTVS MILITVM. Gate of a camp with or without doors, surmounted by three or four towers; in the *exergue* various letters—on coins of Diocletian (*R.* 10 frcs.), Maximian Hercules (*R.* 10 frcs.), Constantius I. Chlorus (*R.* 12 frcs.), Galerius Maximian (*R.* 10 frcs.; *R. Quin.* 60 frcs.), Maximinus II. Daza. (*R. Quin.* 100 frcs., *Æ.* II. 30 frcs.); Maxentius [*Obv.* PRINC. INVICT. *Princeps Invictus*] (*R.* 250 frcs.), and Constantine I. (*R.* 40 frcs., *R. Quin.*, 25 frcs.)

VIRTVS MILITVM. Gate of a camp without doors surmounted by three towers; above four (sometimes five) towers—on gold coins of Diocletian (200 frcs.), Maximian Hercules (150 frcs.); and Galerius Maximian from *Caylus* (200 frcs.)

VIRTVS MILITVM. Prætorian camp—on coins of Maximian Hercules (*R.* 30 frcs.), Constantius I. Chlorus (*N.* 200 frcs.), and Maximinus II. Daza. (*R.* 100 frcs.)

VIRTVS MILITVM DD. NN. *(Dominorum Nostrorum.)* Mars, walking, holding a trophy and a spear. *Obv.* LICINIVS IVN. NOB. *(Junior Nobilis)* CAESAR. Head of Licinius II., laureated. *Æ.* III., from *D'Ennery* (10 frcs.)

VIRTVS PERPETVA AVG. *(Augusti.)* Hercules or the Emperor strangling a lion; behind, a club—on second brass coins of Constantius I. Chlorus (10 frcs.) and Constantine I. (8 frcs.)

VIRTVS POSTVMI S. C. Postumus standing to l., holding a globe and a spear, and crowned by Victory, who holds a palm; between them a captive on the ground. *Obv.* IMP. C. M. CASS. LAT. POSTVMVS. P. F. AVG. *(Imperator Cæsar Marcus Cassianus Latinius Postumus Pius Felix Augustus)* Bust of Postumus to r., radiated. *Æ.* I. (20 frcs.)

VIRTVS POSTVMI AVG. *(Augusti.)* Bust of Postumus to r., with the helmet much ornamented, and a cuirass—on gold coins of Postumus (600 frcs.) [*See* VIRTVS.]

VIRTVS POSTVMI AVG. *(Augusti.)* Hercules, naked, standing to r. felling the stag of Cerynèia—on second brass coins of Postumus (100 frcs.) [*See* p. 451.]

VIRTVS PROBI AVG. *(Augusti.)* Probus standing holding spear and *parazonium*, and placing foot on back of captive; behind, a captive kneeling. *Obv.* IMP. C. M. AVR. PROBVS. AVG. Bust of Probus to r., laureated. *N.* (150 frcs.) [*See* VIRTVS.]

VIRTVS PROBI AVG. *(Augusti.)* Probus galloping to r. or to l., hurling javelin at an enemy on the ground; another enemy under the horse; an armed soldier precedes the Emperor. *Obv.* IMP. C. M. AVR. PROBVS P. F. AVG. Bust of Probus, helmeted, to l., with the cuirass, holding sword and shield. *Æ.* Med. (150 frcs.) A somewhat similar coin in gold is given by *Caylus* (200 frcs.), and there are varieties in small brass (5 frcs.) [*See* VIRTVS.]

VIRTVS PROBI AVG *(Augusti.)* Mars, helmeted, naked, walking to r., holding spear and trophy—sometimes to l. and r. captives—on *Æ.* Medallions (150 frcs.) and small brass coins of Probus (c. to 1 frc.) [*See* VIRTVS.]

VIRTVS PROBI AVG. *(Augusti.)* Trophy between two captives seated on the ground—on small brass coins of Probus (2 frcs.) [*See* VIRTVS.]

VIRTVS ROMANOR. *(Romanorum.)* Julian II., helmeted, holding a trophy and dragging a captive by the hair. *Obv.* FL. CL. IVLIANVS P. F. AVG. Bearded bust of Julian II. *Æ.* III. *Quin.* (10 frcs.)

VIRTVS ROMANORVM. Victory seated on spoils, holding with both hands a shield on which VOT. XX. *Obv.* D. N. FL. CONSTANTIVS AVG. Bust of Constantius II. to r., laureated. *Æ.* Med. (100 frcs.)

VIRTVS ROMANORVM. Julian II. standing, holding spear in r. hand, and carrying in the l. Victory on a globe; in the *exergue* ANT. S? *(Antiochiæ)*—on *Æ.* Med. of Julian II. from *Mionnet* (80 frcs.)

VIRTVS ROMANORVM. Valentinian I. and Valens, standing, facing, holding a globe surmounted by a Victory who crowns them; in the *exergue* CONS. *(Constantinopolis)*—on gold coins of Valentinian I. and Valens (50 frcs.)

VIRTVS ROMANORVM. Rome, helmeted, seated on a cuirass, holding globe and spear; in the *exergue* various mint-marks—on gold (30 frcs.) and silver (8 frcs.), and third brass (c.) coins of Gratian, and on silver coins of Valentinian II. (6 frcs.), Theodosius I. (3 to 6 frcs.—*Æ.* III., c.), Magnus Maximus (10frcs.) globe surmounted by cross—*Tanini*, (15 frcs.), Victor (15 frcs.—*N.* from *D'Ennery*), Eugenius (20 frcs.), Honorius (4 frcs.—*N.* 40 frcs.) Arcadius (8 frcs.), Theodosius II. (100 frcs.), Sebastian (from *Wiczay*, 300 frcs.), and Attalus (100 frcs.)

VIRTVS ROMANORVM. Valentinian III. standing to r., holding globe, surmounted by Victory and a standard; in the *exergue* TRP. (?). *Obv.* D. N. VALENTINIANVS P. F. AVG. Bust of Valentinian III. to r., diademed. *R.* From *Cab. de M. Charvet* (40 frcs.) The mint mark TR. P. is doubtful. Treves was burnt by the Franks, in A.D. 413 (Madden, *Num. Chron.*, N.S., vol. i., p. 125), and Valentinian III. was not nominated *Augustus* till A.D. 425. Probably the coin is barbarous.

VIRTVT. AVG. *(Virtuti Augusti.)* TR. P. VII. IMP. IIII. COS. III. P. P. (A.D. 182). Rome seated to l., holding Victory and spear. *Obv.* M. ANTONINVS COMMODVS AVG. Bust of Commodus to r., laureated. *N.* (130 frcs.)

VIRTVTI AVG. *(Virtuti Augusti.)* P. M. TR. P. XII. IMP. VIII. COS. V. P. P. (A.D. 187.) Valour, helmeted, standing to l., holding Victory and leaning on a shield, a spear resting on her l. arm. *Obv.* M. COMM. ANT. P. FEL. AVG. BRIT. *(Marcus Commodus Antoninus Pius Felix Augustus Britannicus.)* Head of Commodus to r., laureated. *Æ.* (c.) The same type occurs on his first and second brass coins (c.), the legend commencing VIRTVTI AVG., &c.

VIRTVTE AVG. *(Augusti.)* Valour standing to r., holding spear and *parazonium*. *Obv.* IMP. CAE. L. SEP. SEV. PERT. AVG. COS. II. Head of Septimius Severus to r., laureated. *Æ.* (5 frcs.)

VIRTVTI.—IOVIS VIRTVTI on *Æ.* I. of Domitian, perhaps altered from IOVI VICTORI (Cohen, *Méd. Imp.*, vol. vii., *Suppl.*, p. 90.)—I. O. M. ET VIRTVTI DD. NN. AVG. ET. CAES. *(Jovi Optimo Maximo et Virtuti Dominorum Nostrorum Augusti et Cæsaris)* on *Æ.* II. of Licinius I. and Licinius II.

VIRTVTI AVG. *(Augusti.)* Valour standing to r., foot on helmet, holding spear and *parazonium*, or Hadrian on horseback to r., hurling a javelin—on gold coins of Hadrian (45 frcs. and 100 frcs.)

VIRTVTI AVG. *(Augusti.)* P. M. TR. P. XII., &c. [*See* VIRTVT. AVG., &c.]

VIRTVTI AVG. *(Augusti—*in *exergue.)* TR. P. VIII. IMP. V. COS. IIII. P. P. (A.D. 183.) Rome or Valour, helmeted, seated to l., on a cuirass, holding spear and *parazonium*, leaning l. arm on a shield, ornamented with the wolf suckling Romulus and Remus; before her, a trophy. *Obv.* M. AVREL. COMMODVS ANTONINVS AVG. Bust of Commodus to r., laureated. *Æ.* Med. (300 frcs.)

VIRTVTI AVG. *(Augusti.)* Mars standing to r. or to l., holding a spear and leaning on a shield. *Obv.* IMP. CAES. PESC. NIGER IVST. AVG. *(Imperator Cæsar Pescennius Niger Justus Augustus).* Head of Pescennius Niger to r. *Æ.* (200 frcs.)

VIRTVTI AVG. *(Augusti).* Mars walking, carrying a spear and a trophy. *Obv.* L. SEPT. SEVER. PERT. AVG. IMP. VIII. (A.D. 197). Head of Septimius Severus, laureated. *Æ.* (150 frcs.)

VIRTVTI AVG. *(Augusti.)* S. C. Septimius Severus standing to l., holding Victory and spear, and crowned by Rome standing, who holds a *parazonium* upside down. *Obv.* L. SEPT. SEV. PERT. AVG. IMP. V. (A.D. 195.) Head of Septimius Severus to r., laureated. *Æ.* I. (15 frcs.)

VIRTVTI AVG. *(Augusti.)* Trophy; at foot of which two captives; in the *exergue* S. P. Q. R. *(Senatus Populusque Romanus.)* *Obv.* IMP. GALLIENVS AVG. Bust of Gallienus, radiated. *Bil.* from *Banduri* (30 frcs.)

VIRTVTI AVG. *(Augusti.)* Bust of Postumus to r., laureated, and bust of Mars, helmeted, jugate. *Obv.* POSTVMVS PIVS FELIX AVG. Bust of Postumus to r. laureated, and bust of Hercules, jugate. *Æ.* (800 frcs.)

VIRTVTI AVG. *(Augusti.)* Hercules, naked, standing to r., leaning on club and holding a bow; or strangling a lion and behind, a club—on small brass coins of Carausius (30 frcs.)

VIRTVTI AVGG. *(Augustorum.)* Rome, helmeted, seated to l. on a cuirass, holding Victory and *parazonium*; behind, a shield. *Obv.* L. SEPT. SEV. AVG. IMP. XI. PART. MAX. *(Parthicus Maximus).* Bust of Septimius Severus to l., with *ægis*, and armed with spear (A.D. 198-201). *Æ.* from *Caylus* (150 frcs.)

VIRTVTI AVGG. *(Augustorum.)* Hercules, naked, standing to r., leaning on his club and holding a bow; lion's skin on left arm. *Obv.* IMP. C. M. AVR. CARINVS P. F. AVG. Bust of Carinus to r. *Æ.* III. (3 frcs.)

VIRTVTI AVGG. *(Augustorum.)* Hercules, naked, standing to r., strangling the Nemean lion; behind, a club—sometimes Victory flying crowns him—on third brass coins of Diocletian and Maximian Hercules (3 frcs.)

VIRTVTI AVGG. *(Augustorum.)* Hercules, naked, standing to r., leaning on a club placed on rock; lion's skin on arm; or Hercules standing r., strangling Antæus—on third brass coins of Maximian Hercules (3 frcs. and 40 frcs.)

VIRTVTI AVGG. *(Augustorum.)* Hercules, naked, walking to r., holding club and carrying on his shoulders the wild boar of Erymanthus; in the *exergue* P. T. *(Prima Tarraconis.)* *Obv.* MAXIMIANVS AVGVSTVS. Head of Maximian Hercules to r. *Æ.* from *Caylus* (150 frcs.)

VIRTVTI AVGG. *(Augustorum.)* Hercules, naked, standing to r., killing the hydra; in the *exergue* TR. *(Treveris).* *Obv.* CONSTANTIVS N. C. *(Nobilis Cæsar.)* Head of Constantius Chlorus to r. *Æ.* from *Caylus* (300 frcs.)

VIRTVTI AVGVSTI S. C. Valour standing to r. or to l., foot on helmet, holding *parazonium* and spear—on coins of Domitian (*Æ.* II., 2 frcs.) and Albinus (*Æ.* without s. c. 12 frcs.)

VIRTVTI AVGVSTI. The Emperor galloping to r., hurling javelin at lion—on coins of Hadrian (*Æ.* I. *without* s. c., 200 frcs.) and Commodus (*Æ.* Med., 300 frcs.)

VIRTVTI AVGVSTI. Hercules, naked standing to r., leaning on a club, which is sometimes resting on a rock or sometimes on the head of an ox—on coins of Gordianus Pius (*Æ.* 80 to 150 frcs.; *Æ.* c. to 3 frcs.; *Æ. Quin.* 15 frcs.; *Æ.* II. 15 frcs.), Postumus *(Bil.* c.) and Tetricus I. (*Æ.* 300 frcs.)

VIRTVTI ET FELICITATI. Valour standing to r., foot on helmet, holding spear and *parazonium*, and Felicity standing to l., holding *caduceus* and cornucopiæ. *Obv.* IMP. TRAIANVS AVG. GER. DAC. P. M. TR. P. COS. VI. P. P. Head of Trajan, laureated. *Æ.* from *Caylus* (200 frcs.)

VIRTVTI EXERCITI. Mars, helmeted, naked, with flowing mantle, walking r., and holding spear and trophy. *Obv.* IMP. C. GAL. VAL. MAXIMINVS P. F. INV. *(Invictus)* AVG. Head of Maximinus II. Daza to r., laureated. *Æ.* II. (10 frcs.)

VIRTVTI EXERCITVS (sometimes CMH? in monogram—on coins of Maximinus II. Daza.) Mars helmeted, with flowing mantle, or in military dress, holding spear and trophy, sometimes holding shield on l. arm or dragging a captive, on second brass coins of Galerius Maximian (c.), Maximinus II. Daza (1 to 10 frcs.; Æ. III. 25 frcs., with FIL. AVGG. *Filius Augustorum*, 30 frcs.), and Constantius I. (5 frcs., with FIL. AVGG., 20 frcs.)

VIRTVTI HERCVLIS. Hercules, naked, standing to r., leaning on his club, which is resting on a rock—on gold coins of Maximian Hercules (100 frcs.), and Galerius Maximian, from *Tanini* (300 frcs.)

VIRTVTI MILITVM. Gate of a camp, with open doors, surmounted by four towers; in the *exergue* SMNA or SMN℩ *(Signata Moneta Nicomediæ* 1 or 3)—on coins of Galerius Maximian (Æ. 20 frcs.; Æ. II. 30 frcs.)

Visigoths.—The coinage of the Visigoths has been exhaustively treated by M. Heiss *(Monnaies des Rois Wisigoths)*, and the following list of the names of the Visigothic Kings is taken from that given by Mr. Keary (*Num. Chron.*, N.S., 1878, vol. xviii., pp. 246-251):—Leovigild (A.D. 573-586), Reccaredus I. (A.D. 586-601), Liuva II. (A.D. 601-603), Witteric (A.D. 603-610), Gondemar (A.D. 610-612), Sisebut (A.D. 612-621), Suinthila (A.D. 621-631), Sisenand (A.D. 631-636), Chinthila (A.D. 636-640), Tulga (A.D. 640-642), Chindasuinthe (A.D. 642-649), Chindasuinthe and Reccesuinthe (A.D. 649-653), Reccesuinthe (A.D. 653-672), Wamba (A.D. 672-680), Ervigius (A.D. 680-687), Egica (A.D. 687-696), Egica and Wittiza (A.D. 696-700), Wittiza (A.D. 700-710), Roderigo (A.D. 710-711), Achila (uncertain king, A.D. 711?) The types of the coins, which consist almost exclusively of *trientes*, are Victory, holding wreath and palm, cross haussée on three steps, bust facing, and cruciform monogram. A complete list of the mints at which the coins were struck is also given by Mr. Keary [VALENTIA.]

Visontium, a town of the Pelendones in Hispania Taraconensis, supposed to have been a *municipium* from coins of Augustus and Galba (?) with the legend MVN. VISONTIVM, published by Hardouin and Morell (Eckhel, vol. I., p. 60), but I doubt if they are genuine. It has been suggested that the coin of Augustus might be attributed to *Vesontio* (now *Besançon)* in Gallia, at which place there was a *municipalis schola* (Anson. *Ad Grat. Act.)*

VIT. *(sic)* AVGG. *Victoria Augustorum.* Victory standing holding a large cross; in the *exergue* two stars. *Obv.* D. N. MAIORIANVS AVG. Bust of Majorian, helmeted. Æ. from *D'Ennery* (100 frcs.)

VITA—placed in the *exergue of the obverse* on coins of Justinus I. and Justinian I. (Æ. 60 frcs.), Justinus II. and Sophia (Æ. 100 frcs.; Æ. 3 to 25 frcs.), and Mauricius Tiberius (Æ. 10 frcs.) The word VITA which appears for the first time on the coins of Justinus I. and Justinianus I. (A.D. 527) may perhaps signify *Sit longa* VITA! as suggested by Marchant and de Sauley, or may refer, as Martigny *(Dict. des Antiq. Chrét.*, p. 464) thinks, to the cross sometimes placed between the two heads on the coin as the source of true life. (Cf. Madden, *Christian Emblems on Coins of Constantine I.*, &c., in *Num. Chron.*, N.S., 1878, vol. xviii., p. 170.)

Vitalianus, grandson of Aspar (a general of barbarous descent) and general of the barbarian mercenaries, assumed the title of Emperor in A.D. 514, and attempted to take Constantinople, but in this he was defeated by Anastasius, and resigned the Imperial title on receiving a large sum of money and the government of Thrace. On the death of Anastasius it is said that Vitalian was recalled by Justin I., and made *Consul* and *magister militum*, but shortly after was treacherously murdered at a banquet in the presence of Justin and Justinian.

No authentic coins of Vitalian are in existence. The gold pieces published by *D'Ennery* and *Tanini*, and quoted by Eckhel (vol. viii., p. 208), are most probably misread.

VITELL. *Vitellius*—L. VITELL. CENSOR II. S. C. *Lucius Vitellius Censor II. Senatus Consulto*—on large brass coins of A. Vitellius, with reverse of L. Vitellius.

VITELLI. *Vitellius.*—L. VITELLI. III. COS. CENS. *Lucius Vitellius III. Consul Censor*—on gold coins of L. Vitellius (father) and A. Vitellius (son).

VITELLIVS.—L. VITELLIVS COS. III. CENSOR. *Lucius Vitellius Consul III. Censor*—on gold and silver coins of L. Vitellius with reverse of A. Vitellius.

VITELLIVS (Aulus), the son of Lucius Vitellius [VITELLIVS (Lucius)] was born in A.D. 15, and passed his early life at Capri with Tiberius, and was a favourite with Caligula, Claudius, and Nero. He was elected Consul in A.D. 48, and was Proconsul of Africa for a year. In A.D. 68 he was sent by Galba to Germany, and soon after, revolting against him, was proclaimed Emperor by the soldiers. Otho had in the meantime been elected Emperor at Rome, but was defeated by Vitellius in A.D. 69 at Bedriacum. He did not, however, long enjoy the supreme power, for his gluttony and prodigality were so disgraceful that Vespasian, who was in command of the war against the Jews, was persuaded to allow himself to be elected Emperor. Thus, after a reign of about eight months, Vitellius was captured at Rome by the soldiers of Vespasian and ignominiously killed at the *Gemoniæ Scalæ*,

where the corpse of Flavius Sabinus, the brother of Vespasian, had a few days previously been thrown. Vitellius is said to have accepted the *cognomen* of *Germanicus*, deferred assuming the title of *Augustus*, and refused for ever that of *Cæsar* (Suet. *Vitell.*, c. 8; Tac., *Hist.* ii., c. 62.) He was twice married—1. to Petronia, by whom he had a son named Petronianus, who was blind of one eye, and whom he put to death; 2. to Galeria Fundana, by whom he had sons and daughters, amongst the former of whom was one who stammered so much that he was almost dumb (Suet. *Vitell.*, 6.) Of the wives there are no coins, but gold and silver pieces are extant, representing some of the children [LIBERI. IMP. GERMAN. or GERM. AVG.; LIBERIS IMP. GERMANICI; *Vitellius and his children*,] thus refuting the statement of Josephus, who says that Vitellius died childless (ἄπαιδα, *Bell. Jud.* iv., 10, 3.)

The following are the principal reverse legends of his coins:—*Gold coins*—CLEMENTIA IMP. GERMAN. or GERMANICI (120 frcs.); CONCORDIA P. R. (*Populi Romani*, 120 frcs.); CONSENSVS EXERCITVVM (120 frcs.); FIDES EXERCITVVM (150 frcs.); IVPPITER VICTOR (120 frcs.); LIBERTAS RESTITVTA (120 frcs.); L. VITELLIVS COS. III. CENSOR (150 frcs.—see VITELLIVS [Lucius]); PONT. MAXIM. (*Pontifex Maximus*, 120 frcs.); SECVRITAS IMP. GERMAN. (*Imperatoris Germanici*, 150 frcs.); SENATVS P. Q. (*Populusque*) ROMANVS (150 frcs.); S. P. Q. R. OB. C. S. (*Senatus Populusque Romanus ob Cives Servatos*, within an oak wreath, 120 frcs.); VESTA P. R. (*Populi Romani*) QVIRITIVM (200 frcs.); VICTORIA AVGVSTI. Victory holding a shield (*Caylus*, 150 frcs., sometimes on shield S. P. Q. R., 120 frcs.); VICTORIA IMP. GERMANICI (*Wiczay*, 220 frcs.); XVVIR. SACR. FAC. (*Quindecimviri Sacris Faciendis*—120 frcs.) [XVVIR. SACR. FAC.] No legend. Victory seated (200 frcs.) *Silver coins*—CLEMENTIA IMP. GERMAN (10 frcs.); CONCORDIA P. R. (*Populi Romani*—3 frcs.); CONCORDIA PRAETORIANORVM (15 frcs.); CONSENSVS EXERCITVVM (15 frcs.); FIDES EXERCITVVM (25 to 40 frcs.); FIDES PRAETORIANORVM (150 frcs.); I. O. MAX. (Jupiter Optimus Maximus) CAPITOLINVS. Jupiter seated to l. in distyle temple (30 frcs.); IVPPITER VICTOR (6 frcs.); LIBERTAS RESTITVTA (6 to 10 frcs.); L. VITELLIVS COS. III. CENSOR (40 frcs., see VITELLIVS [Lucius]). PONT. MAXIM. (*Pontifex Maximus*—3 frcs.); S. P. Q. R. OB. C. S. (*Senatus Populusque Romanus ob Cives Servatos*—within an oak wreath—3 frcs.); VESTA P. R. (*Populi Romani*) QVIRITIVM (10 frcs.); VICTORIA AVGVSTI. Victory, holding shield on which S. P. Q. R. (12 to 15 frcs.); VICTORIA AVGVSTI. Victory, walking, holding crown and palm (*Quin.* 100 frcs.); XVVIR. SACR. FAC. (*Quindecimviri Sacris Faciendis*)—3 frcs.) [XVVIR. SACR. FAC.] No legend. Victory seated (12 frcs.)—*Brass coins*:—AEQVITAS AVGVSTI S. C. (Æ. II., 15 frcs.); ANNONA AVG. Vitellius, standing, holding spear and *parazonium*; facing him, Ceres, seated; between them an altar; in the background, a vessel (Æ. I., 200 frcs.); ANNONA AVGVSTI S. C. (Æ. II., 100 frcs.); CERES AVG. S. C. (Æ. I., 120 frcs.; Æ. II., 15 frcs.); CLEMENTIA IMP. GERMAN. S. C. (Æ. II., 50 frcs.); CONCORDIA AVG. S. C. (Æ. I., 120 frcs.; Æ. II., 15 frcs.); CONSENSVS EXERCITVVM S. C. (15 frcs.); CONSENSVS HISPANIARVM S. C. (Æ. II., 100 frcs.); FIDES EXERCITVVM S. C. (Æ. II., 15 frcs.); HONOS. ET VIRTVS (Æ. I., 150 frcs.); LIBERTAS RESTITVTA S. C. (15 frcs.); L. VITELL. CENSOR II. S. C. (Æ. I., 200 frcs.) *See* VITELLIVS [*Lucius*]); MARS VICTOR S. C. (Æ. I., 80 frcs.); PAX. AVGVSTI S. C. (Æ. I., 80 frcs.; Æ. II., 50 to 60 frcs.); PAX. GER. (*Germanica*) S. C. Rome, seated, presenting Victory to Vitellius, standing; to r. Peace, standing (Æ. I., 250 frcs.); PAX. AVGVSTI S. C. (Æ. II., 20 frcs.); PROVIDENT. S. C. Altar (Æ. II., 15 frcs.); RESTITVTA LIBERTAS S. C. (Æ. II. 20 frcs.); ROMA RENASCENS S. C. (Æ. II., 30 frcs.); S. C. (*Senatus Consulto.*) Mars, naked, walking to r., holding spear and trophy (Æ. I., 80 frcs.), or three military standards on prow of a ship (Æ. II., from *Wiczay*, 30 frcs.); SECVRITAS P. (*Populi*) ROMANI S. C. (Æ. II., 50 frcs.); S. P. Q. R. OB CIV. SER., within an oak wreath (Æ. I., 150 frcs.); TVTELA AVGVSTI S. C. Vitellius, seated r., holding by the hand a child; in front another child (Æ. II., 60 frcs.); VICTOR. (*Victoria*) AVGVSTI S. C. (Æ. II., 15 frcs.); VICTORIA AVG. or AVGVSTI S. C. Victory, standing, writing OB CIVIS SERV. on a shield attached to a palm (Æ. I., 100 frcs.); VICTORIA AVGVSTI S. C. Victory, walking, holding a shield on which S. P. Q. R. (Æ. II., 15 frcs.); VICTORIA AVGVSTI S. C. Victory writing VIC. AVG., on a shield attached to a palm (Æ. I., from *Wiczay*, 100 frcs.); VRBEM RESTITVTAM S. C. (between Æ. I. and Æ. II., 150 frcs.)

Vitellius and his children.—The following coins are in existence:—

1. *Obv.* A. VITELLIVS GERM. IMP. AVG. TR. P. Head of Vitellius to r., laureated. *Rev.* LIBERI IMP. GERMAN. (*Imperatoris Germanici.*) Busts facing each other, of his son and his daughter. *N.* (*Caylus*—200 frcs.) *R.* (100 frcs.)

2. *Obv.* Same as No. 1. *Rev.* LIBERI IMP. GERM. AVG. Same busts. *N.* (200 frcs.) *R.* (100 frcs.) A *lead* of this type is published by Garrucci (*Rev. Num.*, 1862, p. 406.)

3. *Obv.* A. VITELLIVS GERMAN. IMP. TR. P. Head of Vitellius to r., laureated. *Rev.* LIBERI IMP. GERMAN. Same busts. *N.* (*Brit. Mus.*, 200 frcs.) *R.* (100 frcs.)

4. *Obv.* A. VITELLIVS IMP. GERMAN. Head of Vitellius to r., laureated. *Rev.* LIBERI IMP. GERMAN. Same busts. *R.* (100 frcs.)

5. *Obv.* A. VITELLIVS IMP. GERMANICVS. Bust of Vitellius to l., laureated. *Rev.* LIBERIS IM. GERMANICI. Same busts. *N.* (400 frcs.)

VITELLIVS (Lucius), father of the Emperor Vitellius, was three times *Consul*. (1) in A.D. 34 with P. F. Persicus, (2) in A.D. 43 with the

Emperor Claudius, and (3) in A.D. 47 with the same Emperor. He was *Censor* in A.D. 48 (when his two sons, Lucius and Aulus Vitellius, afterwards Emperor, were *Consuls*), also with Claudius, and he is so styled on coins struck in his memory by his son, accompanied by his son's portrait. Upon other gold and silver pieces he is represented on the reverse seated in the dress of a *censor*, and upon a remarkable large brass coin he is designated CENSOR II. No mention is made in history of the second censorship, and Eckhel concludes a long argument (vol. iv., pp. 314, 315) by suggesting that Aulus Vitellius to honour even more the name of his father gave him the title of *Censor for the second time* on his coins. Lucius Vitellius was a great flatterer. At his death in A.D. 48 or 49 the Senate honoured him with a public funeral, and erected a statue in front of the *rostra* with the inscription PIETATIS IMMOBILIS ERGA PRINCIPEM (Suet. *Vitell.* 3.) The coins, with the seated figure above alluded to, doubtless give a representation of the statue. It may also be observed that the head of Lucius Vitellius on the gold and silver coins has a *laurel wreath*, although he was a private individual, and had been dead some years. Eckhel has shown (vol. viii., p. 361) that the laurel wreath was not necessarily one of the *insignia* of an Emperor, but was conferred in honour of a victory. In the case of Lucius Vitellius it would allude to his having insisted on Artabanus, the Parthian King, making obeisance to the Roman standards in A.D. 34 (Dion, Cass. lix., 27; Suet. *Vitell.* 2.) The eagle in front of his bust on the gold and silver coins is doubtless an emblem of his consular dignity. The following are the coins struck by Aulus Vitellius in memory of his father:—

1. *Obv.* L. VITELLI. III. COS. CENS. Bust of Lucius Vitellius to l., laureated; in front a Roman eagle. *Rev.* A. VITELLIVS IMP. GERMANICVS. Head of Aulus Vitellius to l., laureated; below, a globe. *N.* (1500 frcs.)

2. *Obv.* L. VITELLIVS COS. III. CENSOR.

Bust of Lucius Vitellius to r., laureated; in front, Roman eagle. *Rev.* A. VITELLIVS GERM. IMP. AVG. TR. P. Head of Aulus Vitellius to r., laureated. *R.* (300 frcs.)

3. *Obv.* Same legend and type as No. 2. *Rev.* Same legend and type as No. 2. *N.* (1500 frcs.) Formerly in the possession of Messrs. Rollin and Feuardent (Madden, *Num. Chron.*, N.S., 1868, vol. viii., p. 253.)

4. *Obv.* L. VITELLIVS COS. III. CENSOR. Same type as No. 2. *Rev.* A. VITELLIVS GERMAN. IMP. TR. P. Same type as No. 2. *N.* (1500 frcs.)

5. *Obv.* A. VITELLIVS GERMAN. IMP. AVG. P. M. TR. P. Bust of Aulus Vitellius to r., laureated. *Rev.* L. VITELL. CENSOR II. S. C. Lucius Vitellius seated on a stage placed to r.; to l. a person in *toga* on another stage; below three persons, one of whom is giving his hand to the Censor. *Æ.* I. (200 frcs.) [*See* remarks above.]

6. *Obv.* A. VITELLIVS GERM. IMP. AVG. TR. P. Head of Aulus Vitellius to r., laureated. *Rev.* L. VITELLIVS COS. III. CENSOR. Lucius Vitellius seated to l., holding branch and Roman eagle. *N.* (150 frcs.); *R.* (40 frcs.)

VITIGES or WITIGES. King of the Ostrogoths from A.D. 536 to A.D. 540. Silver and copper coins are extant:—

1. *Obv.* D. N. IVSTINIANVS (or IVSTINIANVS P. F. AVG.) Bust of Justinian I. to r., diademed. *Rev.* D. IV.—VVIT—IGES—REX in four lines within wreath. *R.* (25 frcs.)

2. *Obv.* INVICTA ROMA. Helmeted bust of Rome to r. *Rev.* Same as No. 1. *Æ.* (3 frcs.)

VITORIA *(sic.)* Female figure standing to l., holding wreath and diadem? *Obv.* IMP. TETRICVS V. Bust of Tetricus I. to r., radiated. *Æ.* III. (3 frcs.)

VITVLVS. *Vitulus*—Q. *(Quintus)* VOCONIVS VITVLVS Q. DESIG. *(Quæstor Designatus)*, or Q. VOCONIVS VITVLVS on silver coins of J. Cæsar—Q. VOCONIVS VITVLVS Q. DESIG. S. C. or Q. VOCONIVS VITVLVS on gold coins of Augustus. [*Voconia gens.*]

VIXXT. *Sexta* XX *Terracone.*—VIXXI *Sexta* XXI on small brass coins of Aurelian and Probus (Madden *on the letters* CONOB, &c., in the *Num. Chron.* N. S. 1862, vol. II., p. 243.)

VLATOS. A lion? standing to r.; below, a pentagon, above S, in the *exergue* a crescent. *Obv.* ATEVLA. Young bust to l.; with a collar *(torques)* and wings on the shoulders. *R.* The names on this coin are supposed to be those of Gaulish chiefs, and it is attributed to the tribe of the Senones (Akerman, *Anc. Coins of Cities and Princes*, p. 162.)

Ulia, a town in Hispania Bœticia. It was a Roman *municipium* with the surname of *Fidentia*. Its modern name is *Monte Mayor* near Cordova. The following coin is attributed to it (Akerman, *Coins of Cities and Princes*, p. 59):—

Obv. Female head to r. placed above a crescent; in front a branch. *Rev.* VLIA in a compartment between two branches. *Æ.*

VLO. *Ulo.—Volonius?* or *Volteius?*—L. VLO. L. F. STRAB. *Lucius Volonius?* or *Volteius? Lucii filius Strabo*, on a silver coin usually attributed to the *Volteia* family. [*Volteia gens.*]

VL. *Ulpia*—see VLP. *Ulpia.*

VLP. *Ulpia.*—LEG. XXX VLP. [or VL.] TR. P. COS. *Legio tricesima Ulpia*, on silver coins of Septimius Severus.—LEG. XXX. VLP. VI P. VI F. [or VII P. VII F.] *Legio tricesima Ulpia Sextum Pia Sextum Fidelis* [or *Septimum Pia Septimum Fidelis*] on *billon* coins of Gallienus. —LEG. XXX. VLP. VICT. P. F. *Legio tricesima Ulpia Victrix Pia Fidelis*, on gold coins of Victorinus I.

VLP. *Ulpius.*—IMP. C. VLP. COR. LAELIANVS AVG. *Imperator Cæsar Ulpius Cornelius*

Lælianus Augustus on *billon* coins of Lælian, one of the thirty tyrants. [*Lælianus.*]

VLPIA. *Ulpia.*—BASILICA VLPIA, on gold and large brass coins of Trajan.—LEG. XXX. VLPIA PIA. F. *Legio tricesima Ulpia Pia Fidelis* on a gold coin of Victorinus I. from *Banduri.*—LEG. XXX. VLPIA [or VLPIA VI.] *Legio tricesima Ulpia* [or *Ulpia Victrix*] on third brass coins of Carausius.

Ulpia.—Ulpia Severina, wife of Aurelian [SEVERINA.]

Ulpia—Colonia Ulpia Trajana Augusta, a name bestowed by Trajan on the colonies of Hadrumetum, Byzacenæ and Sarmizeguthusa Daciæ.

VLPIANI. *Ulpiani.*—METALL. VLPIANI PANN. *Metalli Ulpiani Pannoniæ.*—METALLI VLPIANI [or VLPIANI DELM.] *Metalli Ulpiani* [or *Ulpiani Delmatiæ*] on small brass coins of Trajan.

Ulpius—Ulpius Trajanus [TRAIANVS.]

VLT. *Ultor.*—MAR. VLT. *Mars Ultor*, on gold and silver coins of Augustus, and on silver coins of Albinus, from *Wiczay.*

VLT. *Ultori.*—MART. VLT. *Marti Ultori*, on gold and silver coins of Augustus.—MARTI VLT. *Marti Ultori*, on large brass coins of Antoninus Pius.

VLTO. *Ultori.*—MART. VLTO. *Marti Ultori*, on silver medallions and gold coins of Augustus.

VLTOR. *Ultor.*—MARS. VLTOR. *Mars Ultor*, on autonomous coins of Galba, and on coins of Vespasian, Caracalla, Alexander Severus, Gallienus, Claudius II., Tacitus, Probus and Carausius.—VOLKANVS VLTOR, *Volcanus Ultor*, on autonomous coins of Galba. [VOLKANVS VLTOR.]

VLTORA AVG. (Augusti.) Female figure standing to r., giving her hand to Carausius, standing, holding a standard; between them a lighted altar. *Obv.* IMP. CARAVSIVS P. F. AVG. Bust of Carausius to r., laureated. *Æ.* (300 frcs.)

VLTORI. *Ultori.*—MARTI VLTORI, *Marti Ultori*, on autonomous coins of Galba, and on coins of Antoninus Pius, Marcus Aurelius, and Diocletian.—MARTI VLTORI AVG. *Marti Ultori Augusti.*, on first and second brass coins of Commodus.

VLTORIS. *Ultoris.*—MARTIS VLTORIS. *Martis Ultoris*—on gold and silver coins of Augustus.

VLTVS. *Ultus.*—S. P. Q. R. (*Senatus Populusque Romanus)* QVOD INSTINCTV DIVINITATIS MENTIS MAGNITVDINE CVM EXERCITV SVO TAM DE TYRANNO QVAM DE OMNI EIVS FACTIONE VNO TEMP *(ore)* IVSTIS REMP *(ublicam)* VLTVS EST ARMIS ARC *(um)* TRIVMPHIS INSIGNEM DICAVIT. A large brass medal (size, 14½) of Constantine I., of the contorniate class, formerly in the Pembroke collection *(Sale Cat.*, p. 297) [CONTORNIATE COINS; QVOD INSTINCTV, &c.] *See* Madden, *Christian Emblems on the Coins of Constantine I.*, &c., in the *Num. Chron.*, N.S., 1878, vol. xviii., p. 17.

Ulysses is represented on the contorniates of Alexander, Nero, Trajan, Caracalla, and Roma (Sabatier, *Méd. Contorn.*, pp. 86-88, pl. xiii., Nos. 11-13, 17.) [CONTORNIATE COINS.]

Umbrella, or parasol, on gold coins of Uranius Antoninus [VRANIVS ANTONINVS], and on copper coins of Herod Agrippa I. (Madden, *Coins of the Jews*, 4to, 1881, p. 131.)

VN. MR. *(Venerandæ Memoriæ.)* Female figure, standing, to r., veiled. *Obv.* DV. CONSTANTINVS PT. AVGG. *(Divus Constantinus Pater Augustorum.)* Bust of Constantine I. to r., veiled. *Æ. Quin.* (1 frc.) This coin was struck after the death of Constantine I. [*see* (IVST.) VEN. MEM. and (IVST.) VENERAB.] With respect to the letters DV., Eckhel (vol. viii., p. 92) threw out the suggestion that they might stand for *Divus Victor*, as we know from Eusebius that Constantine I. had this title, though the coins with *Victor* are now attributed by Cohen to Constantine II. [VIC. or VICT.]; but on the strength of an inscription which he quotes, commencing DIVO AC VENERABILI, he inclined to explain them *Divus Venerabilis.* As there are, however, other coins with the words DIV. or DIVO, it seems preferable to consider the letters to stand for *Divus.* The letters PT. AVGG. are explained by Eckhel as certainly *Pater Trium* AVGG*ustorum*; but as Cohen has observed *(Méd. Imp.*, vol. vi., p. 170), for this reading it would be necessary to have three GS. The system of consecration seems to have obtained even after the time of Constantine among his Christain successors. Constantius II., "meruit inter *divos* referri" (Eutrop., x., 15; cf. "*divus* Constantius," Mamertinus, *Grat. Act. Jul. Aug.*, c. 3); Jovian, "benignitate principum qui ei successerunt inter *divos* relatus est" (Eutrop., x., 18; cf. "*Div.* Fl. Joviano Triumfatori semper Aug.," Gruter, p. 285; Clinton, *Fasti Romani*, vol. ii., p. 113); Valentinian I. was consecrated by his son Gratian, "hujus vero laudis locupletissimum testimonium est pater *divinis honoribus* consecratus" (Ausonius, *Ad Grat. Act.*, c. 8); to which may be added the name of Valentinian III., as appears from a marble of Chiusi, in Tuscany, published by Cavedoni *(Cimit. Chius.*, p. 45, Modena, 1853.) No coins, however, bearing the title *divus* are known of any of these Emperors. (Madden, *Christian Emblems on the Coins of Constantine I.*, &c., in the *Num. Chron.*, N.S., 1877, vol. xvii., p. 285.)

UMBRIA. One of the principal divisions of Central Italy, situated to the east of Etruria. Coins principally of the *aes grave* class have been attributed to the following towns of Umbria—Ariminum, Iguvium, and Tuder. *(Cat. of Greek Coins in Brit. Mus., Italy*, pp. 25-39; cf. Mommsen, *Mon. Rom.*, vol. i., pp. 360-362; 389-400.)

Uncia (ounce), a brass coin, the twelfth part of a Roman pound, or *As* [AS.] The issue of an *As* of a Roman pound of 12 *unciæ*, or the *as libralis*, took place in the time of the Decemvirs, B.C. 451 (Mommsen, *Mon. Rom.*, vol. i., pp. 179, seq., 200), but the existing *asses* rarely weigh more than 10 *unciæ* (Mommsen, vol. i., p. 206; vol. iv., p. 3.) Later the *as* fell succes-

sively from 10 *unciæ* to four, or perhaps this reduction was suddenly accomplished about the time of the first Punic war, B.C. 268. (Mommsen, vol. ii., pp. 2, 10, 15; vol. iii., p. 468.) In B.C. 217 the *as* was reduced to *one uncia* by the *Lex Flaminia* (Mommsen, vol. ii., pp. 2, 13, 18, 67, 68.) At last in B.C. 89, or thereabouts, under the *Lex Papiria*, the *as* fell to a *semuncia* (half-ounce) (Mommsen, vol. ii., p. 73; vol. iii., pp. 220, 221.) The *uncia* was rarely struck after the reduction of the *as* (Mommsen, vol. ii., p. 75.) The expression *heres ex uncia* denoted the heir to a tenth or twelfth part of an estate. The mark of value of the *uncia* was ●; of the *semuncia* Σ. [Among the pieces struck at Pæstum there occurs the *Sescuncia* (semisqueuncia ●Σ) equal to the eighth of an *as* (Mommsen, vol. ii., p. 76.)]

Descriptions of the earliest *unciæ* and *semunciæ* of the *aes grave* of Central Italy, of the coinage of Luceria, of Venusia, of the *aes grave* of North-Eastern Italy (Vestini, Hatria, Aesculum? Ariminum), of the Etruscan *aes grave*, and of the *aes grave* of Umbria (Tuder, Iguvium) will be found in Mommsen, *Mon. Rom.*, vol. i., pp. 182—234, 332—400.) The principal types are, a knuckle-bone, acorn, grain of barley, vase, club, frog, spear-head, ear of corn, crescent, head of Apollo or Diana, the Dioscuri, Hercules, lion, boar's head, owl, axe with two edges *(bipennis)*, shell, anchor, thunderbolt, Gaulish head, prow of a ship, two-handled vase, *amphora*, anchor, sacrificial knife and hatchet, etc. A description of the principal types of the *unciæ* of Southern Italy struck on the triental system (4 ounces) after B.C. 268, and of the *unciæ* of Capua, Atella and Calatia are given also by Mommsen *(Mon. Rom.*, vol. iii., pp. 362—371; 377—381.)

The ordinary type of the *uncia* is: *Obv.* Helmeted head to l.; behind ●. *Rev.* Prow of a vessel to r.; below ●. Æ., but the following is a description of the *unciæ* bearing types other than the usual "prow of a ship," issued at Rome after the suppression of the *as libralis* in B.C. 268:—

1st Period, B.C. 268—224.

Obv. Female head, helmeted; behind ●. *Rev.* A cornucopiæ (rare.) Æ. (Mommsen, vol. ii., p. 215.)

Obv. Female head with Phrygian helmet terminating in the beak of a bird. *Rev.* One of the Dioscuri galloping. Æ. (Mommsen, vol. ii., p. 229.)

The *semuncia* (Σ) has on the obverse the heads of the Dioscuri, and on the reverse two horses galloping; above two stars.

Obv. Female head to r.; behind ●. *Rev.* SAR. *(Saranus.)* Elephant to l. Æ. (15 frcs.; if genuine.) (Mommsen, vol. ii., p. 265, Cohen, *Méd. Cons.*, pl. xlviii., *Atilia*, No. 7.)

The moneyer is perhaps M. Atilius Serranus, who, in B.C. 190, was, with two other prætors, L. Valerius P. F. Flaccus and L. Valerius C. F. Tappus, named IIIVIR *Col. Ded. (triumviri ad colonos deducendos*, Liv. xxxvii., 46, 57), or perhaps another of the same family, who was prætor in B.C. 174 (Liv. xli., 21.)

Obv. Female head. *Rev.* A. CAE. *(Aulus Cæcilius)* within a wreath. Æ. (30 frcs.) (Mommsen, vol. ii., p. 282.)

No mark of value on this *uncia*. Coins with this legend are usually attributed to the *Cæcina gens*, but it has been shown (Borghesi in Riccio, p. 40) that this family was not nationalized in Rome at the time the coins were struck. It is thought that A. Cæcilius is the ædile of B.C. 189.

2nd Period—B.C. 154—134.

Obv. Female head to r., helmeted; behind ●. *Rev.* L. H. TVB. (in monogram; *Lucius Hostilius Tubulus)* within a laurel wreath; in the *exergue* ROMA. Æ. (30 frcs.) (Mommsen, vol. ii., p. 308; Cohen, *Méd. Cons.*, pl., xvi., *Hostilia.*)

This personage is probably L. Hostilius Tubulus, who was prætor in B.C. 142, and exiled the following year.

3rd Period—B.C. 134—114.

Obv. Female head to r., helmeted; behind ●. *Rev.* Q. METE. (in monogram; *Quintus Metellus)* within a laurel wreath; in the *exergue* ROMA. Æ. (30 frcs.) (Mommsen, vol. ii., p. 324; Cohen, *Méd. Cons.*, pl. l. *Cæcilia*, No. 5, from *Riccio.)*

This Metellus is probably one of the three personages of the *Cæcilia gens*, who was Consul in B.C. 123, 109, and 98.

4th Period—B.C. 114—104.

Obv. L. PHILIPPVS. Head of Saturn to laureated; behind, sometimes, a sickle. *Rev.* Dog walking to r.; above ●; sometimes a prow of a vessel, above a dog and ●. Æ. (12 frcs.) (Mommsen, vol. ii., p. 347; vol. iv., pl. xxviii., No. 4; Cohen, *Méd. Cons.*, p. 203, Nos. 21, 22; pl. lviii. *Marcia*, No. 11.)

This personage is probably the son of the Moneyer Q. PILIPVS (B.C. 109), and was monetary triumvir about B.C. 112.

Obv. Bust of Minerva (?) helmeted; behind ●. *Rev.* Q. LVTATI. *(Quintus Lutatius)* within an oak wreath. Æ. (30 frcs.) (Mommsen, vol. ii., p. 354.)

Unknown personage. Date about B.C. 104.

Obv. Female head to r., helmeted; behind ●. *Rev.* C. FON. *(Caius Fonteius.)* Mars in a *quadriga* to r.; in the *exergue* ROMA.; above ●. Æ. (15 frcs.) (Mommsen, vol. ii., p. 357.)

This personage is perhaps the Fonteius who perished at Asculum in B.C. 91.

Obv. CN. DOMI. *(Cnæus Domitius.)* Head of Venus to r., diademed; behind ●. *Rev.* Q. CVRTI. M. SILA. *(Quintus Curtius. Marcus Silanus.)* A lyre. Æ. (25 frcs.) (Mommsen, vol. ii., p. 360; Cohen, *Méd. Cons.*, pl. liv., *Curtia*, No. 4.)

Q. Curtius is unknown, but perhaps was the father of Q. Curtius, who was *judex quæstionis* in B.C. 70. M. Silanus was probably the son of M. Junius D. F. Silanus, who was Consul in B.C. 109.

5th Period—B.C. 104—84.

Obv. Female head to r., helmeted; behind ⚓. *Rev.* M. HERENNI. *(Marcus Herennius)* ROMA. Two cornuacopiæ. Æ. (15 frcs.) (Mommsen, vol. ii., p. 392; Cohen, *Méd. Cons.*, p. 149, No. 4, from *Riccio*. A similar coin but without the name M. HERENNI. is engraved by Cohen, pl. lxxi., No. 16.)

This personage is perhaps the son of the Consul of B.C. 93.

Obv. Female head to r., helmeted; behind ⚓. *Rev.* MAN. (in monogram) FONT. *(Manius Fonteius.)* ROMA. A *quadriga*. Æ. (15 frcs.) (Mommsen, vol. ii., p. 445; Cohen, *Méd. Cons.*, p. 140 *note* from *Riccio*.)

This person is perhaps the quæstor in B.C. 84.

[The following piece is published by Cohen *(Méd. Cons.*, page 174, No 18, pl. lvi., *Junia*, No. 4), from the cabinet of M. Fénelon-Farez. *Obv.* SCAEVA. Helmeted head of Pallas (?) to r. *Rev.* M. AVF. (in monogram; *Marcus Aufidius.)* Centaur to r. Æ. (30 frcs.) The attribution of this coin is uncertain, though Cohen thinks it is not impossible that it may belong to the town of Larinum.]

VNDIQVE VICTORES. The Emperor standing to l., holding a globe, sometimes surmounted by a Victory, and a sceptre; sometimes a captive seated on either side—on small brass coins of Numerian (5 to 8 frcs.), and of Constantius Chlorus (2 frcs.)

VNI. *(Unimanus)* in *field*; Victory crowning a trophy; in the *exergue* ROMA. *Obv.* Head of Apollo to r., laureated. Æ. *Quin.* (40 frcs.) This coin of the *Claudia gens* has been attributed by Borghesi *(Dec.* xvii., 5; *Œuvr. Compl.*, vol. ii., p. 311) to Claudius Unimanus, prætor in B.C. 149, but Mommsen *(Mon. Rom.*, vol. ii., p. 417), assigns it to a period between B.C. 104 and B.C. 84; whilst Babelon *(Mon. de la Repub. Rom.*, vol. i., p. 347) considers it should be placed about B.C. 89.

VNO. *Uno.*—on large brass medal of Constantine I. of the Contorniate class [see VLTVS.]

VOC. *Voconius.* CN. VOC. ST. F. *Cnæus Voconius Statii Filius*, on a brass coin struck at Astapa Hispaniæ Bæticæ (Akerman, *Coins of Cities and Princes*, p. 23.)

VOCONIA GENS, a plebeian family. The following silver and gold coins are extant:—

1. *Obv.* Head of Julius Cæsar to r., laureated. *Rev.* Q. VOCONIVS VITVLVS Q. DESIGN. *(Quintus Voconius Vitulus Quæstor Designatus.)* Calf walking to l.; in the *field*, S. C. *(Senatus Consulto.)* Æ. (12 frcs.) [See engraving No. 1, head of article CAESAR CAIVS IVLIVS, p. 151.]

2. *Obv.* DIVI IVLI. Head of Julius Cæsar to r., laureated; behind, the augur's staff. *Rev.* Q. *(Quintus)* VOCONIVS VITVLVS. Calf walking to l.; in the *field* S. C. *(Senatus Consulto.)* Æ. (20 frcs.)

3. *Obv.* DIVI F. *(Filius.)* Bearded head of Octavian to r., bare; in front the augur's staff. *Rev.* Q. VOCONIVS VITVLVS Q. DESIG. *(Quintus Voconius Vitulus Quæstor Designatus.)* Calf walking to l.; in the *field*, S. C. *(Senatus Consulto.)* Æ. (500 frcs.)

4. *Obv.* DIVI IVLI F. *(Filius.)* Bearded head of Octavian to r., bare. *Rev.* Q. *(Quintus)* VOCONIVS VITVLVS. Calf walking to l. Æ. (500 frcs.)

These pieces, assigned by some to B.C. 43-42, or B.C. 38-36 (Cohen, *Méd. Cons.*, p. 336; *Méd. Imp.*, 2nd ed., vol. i., pp. 16, 114; Mommsen, *Mom. Rom.*, vol. iii., p. 5), were probably struck about B.C. 41-40 by Quintus Voconius Vitulus, conjointly with those of Tiberius Sempronius Gracchus, who took the double titles of *quatuorviri* and *quæstores designati*, and who show on some of their coins (see Nos. 1, 2, and 3) the Senatorial origin of their powers by the letters S. C. (Lenormant, *La Mon. dans l'Antiq.*, vol. iii., p. 175.) As to the beard, Lenormant *(loc. cit.)* writes, "The beard, which ornaments the chin of Octavian on the coins of Sempronius Gracchus and Voconius Vitulus, appears to me to have the appearance of a light beard of a young man rather than that which grown-up men allowed to grow as a sign of mourning, as Octavian did during the war against Sextus Pompeius. Now, in the coin portraits, although some engravers have omitted the circumstance, the nephew and heir of Cæsar could always, up to B.C. 39 (715 of Rome), be represented with the chin ornamented with his first beard, and, indeed, the portraits which show it are assuredly the most exact, since Dion Cassius (xlviii., 34; Eckhel, vol. vi., p. 76), informs us that it was only in this year that he shaved his beard for the first time." [BARBA.] The calf on the coins alludes to the name VITVLVS.

VOCONIVS—Q. VOCONIVS VITVLVS. [*Voconia gens.*]

Vocontii, a people of Gallia Narbonensis. The following coins are attributed to them (Akerman, *Coins of Cities and Princes*, p. 152):—

1. *Obv.* Head to r. *Rev.* VOOC. Horse galloping to l. Æ.

2. *Obv.* ROW *(sic.)* Head of Pallas to r., helmeted. *Rev.* VOCVNT. Horseman, holding spear, galloping to r. Æ.

3. *Obv.* VOCONTII. Beardless head to r. *Rev.* Hog standing to l. Æ.

VOCVNT. [*Vocontii.*]

VO. DE. *Vota Decennalia*, written on a shield on silver and large brass coins of Commodus, with the legend SAEC. FEL. P. M. TR. P. X. [or XI.] IMP. VII. COS. IV. [or V.] P. P. S. C. [*Vota.*]

VO. *Vol. Volonius?* or *Volteius?*—L. VO. L. F. S[illegible]. *Lucius Volonius?* or *Volteius? Lucii Filius Strabo*, on silver coins usually attributed to the *Volteia* family [*Volteia gens.*, see VO. *Ulo.*]

VOL. *Volcæ.* [*Volcæ Tectosages.*]

VOL.—CN. VOL. On coins of Celtic chiefs (Mommsen, *Mon. Rom.*, vol. iii., p. 252.)

Volaterræ (now *Volterra*), one of the most important of the Etruscan cities. A small gold coin—*Obv.* Young head to r. or to l; in front

x. *Rev.* Plain surface—has been attributed to it (Mommsen, *Mon. Rom.*, vol. i., pp. 214, 372; vol. iv., pl. xviii., No. 4.) Its brass coins of the *aes grave* class are numerous, and the attribution is certain from their all bearing the legend *Velathri* in Etruscan characters. The coins are of three series. 1. Head of Janus, without type on reverse—*Dupondius, as, semis, triens, quadrans, sextans, uncia.* 2. With club on reverse—*dupondius, as, semis, triens, quadrans, sextans, uncia.* 3. Dolphin on reverse—*as, semis. (Cat. of Greek Coins in Brit. Mus., Italy*, p. 11.) It is not known if other fractions of this third series exist. (Mommsen, *Mon. Rom.*, vol. i., pp. 220, 384—387.)

VOLC. *Volcæ.* [*Volcæ Arecomici.*]

VOLCAE. *Volcæ.* [*Volcæ Arecomici.*]

Volcæ Arecomici, a people of South Gallia, having for their chief city Nemausus Colonia [*Nemausus.*] Their coins are (Akerman, *Coins of Cities and Princes*, p. 153):—

1. *Obv.* Bare head to r.; in front Æ. *Rev.* VOLC. Between the spokes of a wheel. Æ.

2. *Obv.* Head of Diana to r.; in front Æ. *Rev.* VOLC. An eagle with expanded wings holding a palm branch in one claw and a wreath in another; the whole within a laurel wreath. Æ.

3. *Obv.* VOLCAE. Head of Diana to r.; in front, a wreath. *Rev.* AREC. A figure in *toga* standing to l.; in front a branch of laurel. Æ.

Volcæ Tectosages, a people of South Gallia, having the cities Illiberis, Ruscino, Tolosa Colonia, Cessero, Carcaso, Bæterræ, and Narbo Colonia, of which Tolosa was the chief, and which was plundered by Q. Servilius Cæpio, Consul in B.C. 106. Their coins were at one time confounded with those of the *Volcæ Arecomici*, but their different style and the occurrence of VOL. only without Æ. or AREC. have led to their assignment to the *Volcæ Tectosages.* (Akerman, *Coins of Cities and Princes*, p. 153):—

1. *Obv.* Head of Apollo to l., laureated. *Rev.* VOL. Horse galloping to l.; below, a wheel with four spokes. Æ.

2. *Obv.* Rude head of Apollo (?) to l. *Rev.* A cross, as on Mediæval coins, in the angles of which various symbols, and an axe. Æ.

VOLCANO or VOLKANO—DEO. VOLCANO or VOLKANO. On *billon* coins of Gallienus from *Banduri* and of Saloninus (VALERIANVS P. F. AVG.) [DEO VOLKANO.]

VOLCANOM. Head of Vulcan to l., wearing laureated *pilos*; behind, tongs. *Rev.* AISERN in *exergue.* Jupiter in *biga* to r., hurling thunderbolt; above Victory flying to r., holding wreath. Æ. of Aesernia Samnii (*Cat. of Greek Coins in Brit. Mus. Italy*, p. 67.)

VOLKANVS VLTOR. Head of Vulcan to r., with cap, laureated. *Rev.* GENIO P. R. *(Populi Romani.)* Pincers, hammer, anvil, and die. Æ. (40 frcs.), or SIGNA P. R. *(Populi Romani.)* Roman eagle with wreath of pearls in its beak, between two military standards and a lighted altar. Æ. (30 frcs.) These coins are attributed to the period between the reigns of Nero and Vespasian. [VVLCANVS.]

Volsinii., one of the twelve important cities of Etruria. The following gold coins are attributed to it (Mommsen, *Mon. Rom.*, vol. i., pp. 24, 215, 372, 373):—

1. *Obv.* Young head (Apollo?) to l., laureated, or with myrtle wreath, on either side XX (20.) *Rev.* Bull walking to l.; above dove flying, holding wreath; in front a star of eight rays; in the *exergue—Velzpapi* in Etruscan characters. Æ.

2. *Obv.* Female head; Λ (5.) *Rev.* Dog running; in the *exergue—Velsu* in Etruscan characters. Æ.

VOLTEI. *Volteius.* M. VOLTEI. M. F. *Marcus Volteius Marci Filius*, on silver coins of the *Volteia gens.* [*Volteia gens.*]

VOLTEIA GENS, uncertain family only known from coins:—

1. *Obv.* Head of Jupiter to r., laureated. *Rev.* M. VOLTEI. M. F. *(Marcus Volteius Marci Filius.)* Tetrastyle temple with three doors; on the pediment, a thunderbolt. Æ. (2 frcs.)

2. *Obv.* Head of young Hercules to r., covered with the lion's skin. *Rev.* M. VOLTEI. M. F. Boar running to r. Æ. (3 frcs.)

3. *Obv.* Head of young Bacchus to r., crowned with ivy. *Rev.* M. VOLTEI. M. F. Ceres in a car to r., drawn by two serpents, and holding a torch in each hand; in the *field* various symbols. Æ. (2 frcs.)

4. *Obv.* Head of Apollo to r., laureated. *Rev.* M. VOLTEI. M. F. Tripod around which a serpent is entwined; in the *field* to l., S. C. *(Senatus Consulto)* to r., D. T. *(De Thesauro?)* Æ. (80 frcs.)

5. *Obv.* Young head to r., helmeted, without crest, and ornamented with laurel; behind, symbols. *Rev.* M. VOLTEI. M. F. Cybele, with turreted crown, in a car drawn by lions to r., and holding a *patera*; in the *field*, various Greek numerals. Æ. (2 frcs.) (Mommsen, *Mon. Rom.*, vol ii., pp. 467-469, No. 257; Cohen, *Méd. Cons.*, pl. xiii.; *Volteia*, Nos. 1, 4, 3, 5, 2.)

These coins were found in the deposit of Hewisz-Szamos, in Transylvania, buried about B.C. 74. Marcus Volteius is unknown, but Mommsen has established *(Mon. Rom.*, vol. ii., p. 65; cf. Lenormant, *La Mon. dans l'Antiq.*, vol. ii., p. 251) that in all cases on coins of the Republic bearing a name without an expressed title, but accompanied with the formulas D. S. S. *(De Senatus Sententia)*, PE. S. C. *(Publice Senatus Consulto)*, EX S. C. *(Ex Senatus Consulto)*, or S. C. *(Senatus Consulto)*, as on the coin (No. 4) above described, that the moneyer was not a regular triumvir, but a person charged with an extraordinary commission.

The types of these five coins have been explained by M. Mommsen (*Mon. Rom.*, vol. ii., p. 468), and refer to the five great *fêtes* celebrated at Rome at this period—namely, the Roman *fête*, the Plebeian *fête*, and those of Ceres, of Apollo, and of the Megalesian games. No. 1, with the head of Jupiter and the Temple of the Capitol, refers to the *ludi Romani*—"ludos antiquissimos qui primi Romani appellati sunt . . . Jovi Junoni, Minervæque esse faciendos" (Cic. *in Verrem*, v. 14, 36.)—No. 2, with the head of

young Hercules, refers to the *ludi Plebeii* founded by C. Flaminius in B.C. 220.—No. 3, on which is the head of young Bacchus and Ceres in a car drawn by two serpents, refers to the *Cerialia* or *fêtes* in honour of Ceres, which, it is said (Cic. *in Verrem*, v. 14, 36), were celebrated in honour of the three divinities in the temple of Ceres—*Cereri, Libero, Liberæque.* The same *fête* is alluded to on a coin of the *Memmia gens* (Mommsen, *op. cit.*, p. 514.)—No. 4, with the head of Apollo and tripod, refers to the games founded in B.C. 212, in honour of Apollo (Livy, xxv., 12: xxvi., 23; xxvii., 11), games which are also commemorated on coins of the *Calpurnia gens* and the *Marcia gens* (Mommsen, *op. cit.*, pp. 408, 438.) The letters D. T. have been generally interpreted *donum tulit*, but Mommsen thinks that the explanation *De Thesauro* is more suitable, and signifies that the expenses of this *fête* were partly covered by the public treasury and partly by collection (Varro, *De Ling. Lat.* v., 181; Livy, xxv., 12.)—No. 5, representing Cybele in a car drawn by lions, refers to the *Megalesian* games instituted in B.C. 204. The head on the obverse of this coin is considered by Mommsen to be that of Atys, and by Cavedoni that of one of the Corybantes, or, perhaps, that of Corybas, son of Jason and of Cybele (Diodor. Sicul., v., 49.) This coin offers the only example of *Greek* numeral letters on family coins.

The following coin has also been attributed to the *Volteia gens* (Cohen, *Méd. Cons., Volteia*, pl. xlii., No. 6):—

Obv. Head of Jupiter to r., laureated; behind, a letter. *Rev.* L. VO. L. F. S. (*Lucius Volteius? Lucius Filius Strabo.*) Europa on a bull to l., holding a veil; in the *field* to r., a thunderbolt; below, an ivy-leaf. Æ. (30 frcs.) Mommsen, however, thinks (*Mon. Rom.*, vol. ii., p. 522) that the monogram VO. can only be interpreted by VLO. or VOL., which would, perhaps, be the abbreviation of *Volonius*. [VO. *Ulo*; VO. *Vol.*] The family of the moneyer is therefore uncertain. The coin was issued between B.C. 74-50.

VOLVMNIO. *Volumnio*, on second brass coins of Octavia and Nero, struck at Corinthus Achaiæ—LVRINO VOLVMNIO IIV. (*duumviro*) or LVRINO VOLVMNIO. (Cohen, *Méd. Imp.*, 2nd ed., vol. i., p. 313, Nos. 1-3.)

VOLVNT—CN. VOLVNT., on coins of Celtic chiefs (Mommsen, *Mon. Rom.*, vol. iii., p. 252.)

VOLVSI. *Volusii*, on brass medallions of Augustus, struck by Volusius Saturninus, proconsul of Africa, B.C. 6, at Gergis Syrticæ or Cercina—PERM. L. VOLVSI. PROCOS. GERG. or CERC. *Permissu Lucii Volusii Proconsulis Gergis* or *Cercinæ* (Cohen, *Méd. Imp.*, 2nd. ed., vol. i., p. 166, No. 818; Müller, *Num. de l'Anc. Afrique*, vol. ii., p. 35.)

VOLVSIVS. *Volusius*, on large brass coins of Augustus, struck by Volusius Saturninus at Achulla and Hadrumetum Byzacenæ—L. VOLVSIVS SATUR. or SATVRN. or SATVRN. ACHVL. (Müller, *Num. de l'Anc. Afrique*, vol. ii., pp. 44, 52.) [VOLVSI.]

VOLVSIANO—C. VIBIO VOLVSIANO CAES. or IMP. CAE. C. VIB. VOLVSIANO AVG. or IM. C. V. AF. GAL. VEND. VOLVSIANO AVG. *Imperatori Caio Vibio Afinio Gallo Vendumniano Volusiano Augusto*, etc., on coins of the Emperor Volusian. [VOLVSIANVS.]

VOLVSIANVS (Caius Vibius), son of Trebonianus Gallus, who, on his accession, in A.D. 251, made his son *Cæsar* and *Princeps Juventutis*, and *Augustus* in the following year. He followed the fortunes of his father, and with him was killed at Interrumna *(Terni)* Umbriæ in A.D. 254. [TREBONIANVS GALLVS.]

The obverse legends of his coins are—C. VIBIO VOLVSIANO CAES., IMP. C. C. VIB. VOLVSIANVS AVG., IMP. CAE. C. VIB. VOLVSIANO AVG., and IM. C. V. AF. GAL. VEND. VOLVSIANO AVG. *Imperatori Caio Vibio Afinio Gallo Vendumniano Volusiano Augusto.*

The principal reverse legends are—*Silver Medallions:* FELICITAS PVBLICA. ? Double *Antoninianus* (30 frcs.), MONETA AVGG. (300 frcs.), *Gold coins:* AEQVITAS AVGG. (450 frcs.), AETERNITAS AVGG. (400 frcs.), APOLL. SALVTARI (from *Banduri*, 400 frcs.), CONCORDIA AVGG. (450 frcs.), FELICITAS PVBLICA (from *Tanini*, 450 frcs.), IVNONI MARTIALI (500 frcs.), LIBERTAS AVGG. (450 frcs.), PIETAS AVGG. (400 to 450 frcs.; *Quin.* 500 frcs.), PIETAS AVGG. Augur's staff, knife, *simpulum*, sacrificial vase, *aspergillum* and *patera* (from *Tanini* 500 frcs.), P. M. TR. P. IIII. COS. II. (from *Tanini*, 450 frcs.), PRINCIPI IVVENTVTIS (450 frcs., *Quin.* 500 frcs.), SALVS AVGG. (500 frcs.), VICTORIA AVGG. (400 frcs.), VIRTVS AVGG. (400 frcs.). —*Silver Coins:* ADVENTVS AVG. (8 frcs.), AEQVITAS AVGG. (c. to 12 frcs.), ANNONA AVG. (6 frcs.), APOLL. SALVTARI (3 frcs.), CONCORDIA AVGG. (c.), FELICITAS PVBL. (2 frcs.), IVNO MARTIALIS (c.), IVNONI MARTIALI (4 to 30 frcs.), LIBERALITAS AVGG. (3 frcs.), LIBERTAS AVGG. (c.), LIBERTAS PVBLICA (c.), MARTEM PROPVGNATOREM (8 frcs.), MARTI PACIFERO (12 frcs.), PAX AETERNA (c.), PAX AVG. (from *Wiczay*, 12 frcs.), PAX AVGG. or AVGVS. (c.), PIETAS AVGG. (c.), P. M. TR. P. IIII. COS. II. Felicity or Emperor standing (2 to 8 frcs.), PRINCIPI IVVENTVTIS (c. to 3 frcs.), PROVID. or PROVIDENTIA AVGG. (3 to 6 frcs.), PVDICITIA AVGG. (20 frcs.), ROMAE AETERNAE (c. to 10 frcs.), SAECVLVM NOVVM (2 frcs.), SALVS AVGG.

(c., *Quin.* 80 frcs.), SECVRITAS AVG. (c.), VBERITAS AVG. (12 frcs.), VICTORIA AVG. (6 to 20 frcs.), VIRTVS AVGG. (c.)—*Brass Medallions:* ADVENTVS AVGG. (400 frcs.), FORTVNAE REDVCI (400 frcs.), MONETA AVGG. (250 frcs.), VIRTVS AVGVSTORVM (400 frcs.)—*Brass Coins:* AEQVITAS AVGG. S. C. (Æ. I., c.), APOLLO SALVTARI S. C. (Æ. I. and II., c.), ARNAZI *(without* S. C., Æ. I., 80 frcs.; Æ. II., from *Wiczay*, 60 frcs.), CONCORDIA AVGG. S. C. (Æ. I., 5 frcs.; Æ. II., c.), FELICITAS PVBLICA S. C. (Æ. I. and II., c.), IVNONI MARTIALI S. C. (Æ. I., 10 frcs.; Æ. II., 6 frcs.), LIBERALITAS AVGG. S. C. (Æ. I., 6 frcs.; Æ. II., c.), LIBERTAS AVG. S. C. (Æ. I. c.), PAX. AVGG. S. C. (Æ. I. and II. c.), PIETAS AVGG. (Æ. I. and II., c.), P. M. TR. P. IIII. COS. II. P. P. S. C. (Æ. I., 5 frcs.), PRINCIPI IVVENTVTIS S. C. (8 frcs.), SALVS AVGG. S. C. (Æ. I. and II., c.), SECVRITAS AVGG. S. C, (Æ. I., c.), VICTORIA AVGG. S. C. (Æ. I., c.), VIRTVS AVGG. S. C. (Æ. I. and II. c.), VOTIS DECENNALIBVS S. C. (Æ. I., 8 frcs.; Æ. II., 6 frcs.)

There are also medallions of Trebonianus Gallus and Volusianus. *R.* (200 frcs.), Æ. Med. (400 frcs.), Æ. II. (100 frcs.)

Coins of Volusian were struck in the following colonies—Alexandria (Troas), Antiochia Pisidiæ, Apameia Bithyniæ, Cæsarea Samariæ, Coela, Dacia, Damascus, Tyre, and Viminacium.

[The curious coins of Trebonianus Gallus (Æ. Med.) with legend ARNASI. and (Æ. II.) with ARNAZI., and of Volusian (Æ. I. and II.) with ARNAZI., with type of Apollo on a mountain, holding a laurel branch and bow, have caused much discussion [ARN. ASI.] Pellerin *(Rec. des Méd.*, vol. iii., p. lii.) considers that the legend signifies two towns of Umbria—*Arna* and *Asisium*, at which a statue of Apollo was erected, and this interpretation was approved by Eckhel (vol. vii., p. 358), and accepted by Cohen (*Méd. Imp.*, 2nd ed., vol. v., p. 239, *note)* with reserve. The interpretation of Pellerin as to two towns seems dubious, but the legend may apply to one—*Arna* —for it is now known that the Emperor Vibius Trebonianus Gallus was born at Perusia (St. Marin, *Iscriz. Perugina*, p. 15-20; Noël des Vergers, *L'Etrurie et les Etrusques*, vol. ii., p. 381), and it was there that an inscription was dedicated to his wife Afinia Gemina before he became Emperor (Noël des Vergers, *op. cit.*, vol. iii.; *Append. Epig.*, p. iii., No. 32; Orelli, No. 997.) The colony then acquired the name of *Vibia*, and many benefits were conferred on the place. The town of Arna was in Perusia (Orelli, Nos. 90, 91, 5005), and it is very likely that the Emperor Trebonianus Gallus would erect a statue to Apollo *Arnazius* or *Arnasius* in his native country (Madden, *Num. Chron.*, N.S., 1868, vol. viii., pp. 8-10.) The late M. Adrien de Longpérier, in a letter to the writer, 27th May, 1868, says—"J'ai remarqué votre explication de la légende ARNASI qui est tres intéressant et tres bien fondée."

VOOC. [*Vocontii.*]

VOLVSVS [VALERIA GENS.]

VOT. *Vota* or *Votis* [see *Vota.*]

VOT. *(Vota* in the *exergue.)* Legend effaced. Tetricus I. and II. facing each other sacrificing at a lighted altar; one holds a globe and is crowned by Victory; to r. a citizen standing. *Obv.* [IMPP. TETRICI AVGG.] Busts facing each other of Tetricus I. and II., the former laureate, the latter bare. Æ. Ill. (200 frcs.)

VOT. *(Vota.)* A. or Δ. or Є., etc., within a laurel wreath. *Obv.* IMP. C. MAXIMIANVS P. F. AVG. Bust of Maximian Hercules to r., radiated. Æ. III. (c.)

VOT. *(Vota)* with a ram and an eagle within a wreath; in the *exergue* CONST. *(Constantinæ* —Arles.) *Obv.* D. N. FL. CL. IVLIANVS P. F. AVG. Bust of Julian II. to l., helmeted, holding spear and shield. Æ. III., from *Banduri.*

VOT. *Vota.*—IOVI VOT. SVSC. PRO SAL. CAES. AVG. S. P. Q. R. *Jovi Vota Suscepta pro salute Cæsaris Augusti Senatus Populusque Romanus*, on silver coins of Augustus.

VOT. CAESS. *(Vota Cæsarum.)* Two Victories holding a shield on which VOT. XV. *(Vota Quindecennalia.) Obv.* CONSTANTINVS IVN. NOB. CAES. Head of Constantine II. to r., laureated. Æ. Med., from *Vaillant* (200 frcs.)

VOT. DECEN. TR. P. COS. II. *(Vota Decennalia. Tribunitia Potestate Consul Secundum.)* Pertinax veiled, standing to l., sacrificing at a lighted tripod. *Obv.* IMP. CAES. P. HELV. *(Publius Helvius)* PERTIN. AVG. Bust or head of Pertinax to r., laureated. *N.* (300 frcs.) *R.* (50 frcs.) VOT. DECE., etc., and similar types on Æ. I. (150 frcs.) and Æ. II. (80 frcs.)

VOT. M. *(Votis Multis)* formed as a cross V.—O. O.—V. T.—M. or T.—M. within a wreath. *Obv.* D. N. IVSTINIANVS PP. *(Perpetuus)* AVG. Bust of Justinian I. to r., diademed. *R.* (20 to 25 frcs.)

VOT. MVLT. HTI. *(Votis Multis — ?)* in three lines within a laurel wreath; in the *exergue* CONOB. *(Constantinopolis*, 72.) *Obv.* D. N. IVSTINIANVS PP. AVG. Bust of Justinian I. to r., diademed. *R.* (12 frcs.)

VOT. MVLT. XXXX. *(Votis Multis Quadragennalibus)* within a laurel wreath. *Obv.* D. N. THEODOSIVS P. F. AVG. Bust of Theodosius II. to r., diademed. *R.* (100 frcs.)

VOT. P. C. *(Vota Populi Constantinopolitani ?)* on the shield held by Victory and a genius, on a gold coin of Anastasius with the legend VICTORIA AVGVSTORVM *(q. v.)*, from *Tanini* and *Mionnet*, but doubtful.

VOT. P. R. *(Vota Populi Romani)* on altar or on shield, on small brass coins of Licinius I., Constantine I., Crispus, etc., with legend VICT. [or VICTORIAE] LAETAE PRINC. PERP. or DOM. NOSTR.

VOT. P. SVSC. PR. SAL. ET RED. I. O. M. SACR. *(Vota Publice Suscepta pro salute et reditu Jovi Optimo Maximo Sacrata*—sometimes a circular legend, sometimes in four lines.) Mars standing, facing, naked, helmeted, mantle on arm, holding standard and *parazonium. Obv.* S. P. Q. R. *(Senatus Populusque Romanus)*

CAESARI AVGVSTO. Head of Augustus to r. or l., laureated. *N.* (60 frcs.); *R.* (5 to 50 or 60 frcs.)

VOT. PVB. *(Vota Publica.)* The genius of the Senate standing, holding a sceptre in the presence of the genius of the Roman people, who holds a *patera* and a cornucopiæ; between them a lighted altar. *Obv.* HADRIANVS AVG. COS. III. P. P. Head or bust of Hadrian, bare, to r., or head bare to l. *N.* (100 frcs.)

VOT. PVB. *(Vota Publica*—in the *field)* P. M. TR. P. COS. II., or COS. DES. III., or COS. III. Piety veiled, standing to r., raising both hands. *Obv.* IMP. CAESAR TRAIAN. HADRIANVS AVG. Bust of Hadrian to r., laureated. *R.* (3 frcs.)

VOT. PVB. S. C. *(Vota Publica. Senatus Consulto.)* Hadrian veiled, sacrificing at a tripod, accompanied by a priest, an assistant *(Victimarius)*, and a flute player—on *Æ.* I. of Hadrian, from *Vaillant.*

VOT. PVB. *(Vota Publica.)* Gate of a camp, surmounted by two turrets and a star. *Obv.* D. N. VALENTINIANVS P. F. AVG. Bust of Valentinian III. to r. *Æ.* III. *Quin.* (10 frcs.) A variety from *Tanini* has RM. *(Roma)* in the *exergue* of the reverse.

VOT. Q. Q. MVL. X., or MVL. X. FEL., or MVL. XX. *(Votis Quinquennalibus, Multis Decennalibus*, or *Multis Decennalibus Felicibus*, or *Multis Vicennalibus)* within a laurel wreath. *Obv.* MAXENTIVS P. F. AVG. Head of Maxentius to r., laureated. *Æ.* III. (1 frc.) A variety from *Banduri* reads VOT. V. Q. MVL. X. (2 frcs.)

VOT. SOL. DEC. P. M. TR. P. XI. [or TR. P. XII.] IMP. VIII. COS. V. P. P. *(Votis Solutis Decennalibus*, etc.) Commodus veiled, standing to l., sacrificing on a tripod, behind which a victim. *Obv.* M. COMM. ANT. P. FEL. AVG. BRIT. Head of Commodus to r., laureated. Struck in A.D. 186 and 187. *R.* (3 frcs.)

VOT. SOL. DEC. PONTIF. TR. P. XI. COS. III. S. C. *(Votis Solutis Decennalibus*, etc.) Caracalla standing to l., sacrificing at a tripod, behind which a flute player, standing facing; opposite Caracalla a *Victimarius* killing a bull. *Obv.* ANTONINVS PIVS AVG. Bust of Caracalla to r., laureated. Struck in A.D. 208. *Æ.* II. (15 frcs.)

VOT. SOLVTA X. *(Vota Soluta Decennalia.)* Victory in a *biga* galloping to r., holding a laurel branch. *Obv.* PROBVS P. F. AVG. Bust of Probus to l., laureated, holding a spear. *Æ.* Med. (small), or *Æ.* III., from *Tanini* (50 frcs.)

VOT. SVSC. DEC. P. M. TR. P., etc. *(Votis Susceptis Decennalibus*, etc.) The Emperor sacrificing—on coins of Commodus (*N.* 130 frcs.; *R.* 3 frcs.); Septimius Severus (*R.* 3 frcs.), and Caracalla (*R.* 6 frcs.)

VOT. SVSC. DEC. III. COS. IIII. *(Votis Susceptis Decennalibus III.*, etc.) Antoninus Pius standing to l., sacrificing at a tripod, near him a person standing; facing him a child, and a flute-player, behind whom another person and a *Victimarius* killing a bull. *Obv.* ANTONINVS AVG. PIVS P. P. TR. P. XXII. Head of Antoninus Pius to r., bare. Struck in A.D. 159. *Æ.* Med. (300 frcs.)

VOT. V. *(Votis Quinquennalibus)*, or VOT. V. MVLT. X. *(Multis Decennalibus)*, or VOT. X., or VOT. X. MVLT. XV. *(Quindecennalibus)* or XX. *(Vicennalibus)* up to VOT. XXX. *(Tricennalibus)*, or VOT. XXX. MVLT. XXXX. *(Quadragennalibus)* or VOT. XXXX. *(Quadragennalibus)* occur upon the coins from the period of Constantine, either within a laurel wreath or on an altar, or on a standard, or on a shield held by Victories, with various legends surrounding the main type, such as CAESARVM NOSTRORVM, or DOMINOR. NOSTROR. [or DOMINORVM NOSTRORVM] CAESS., GAVDIVM POPVLI ROMANI, and many others.

VOT. V. *(Votis Quinquennalibus)* within a laurel wreath, on coins of Constantius II., from *Banduri* (*Æ.* III. 5 frcs.), of Jovian (*Æ.* III. c.), of Valentinian I. (*R.* 6 frcs.), of Valens (*R.* 3 frcs.), of Procopius (*R.* 150 frcs.), of Gratian (*Æ.* III., *Quin.* 2 frcs.), of Theodosius I. (*Æ.* III., *Quin.* c.), and of Arcadius (*Æ.* III. 3 frcs.)

VOT. V. MVLT. X. *(Votis Quinquennalibus Multis Decennalibus.)* Within a laurel wreath, on coins of Crispus (*Æ.* III., *Quin.*, from *Welz*, 6 frcs.), of Constantius Gallus (*Æ.* III., *Quin.* 10 frcs.), of Julian II. (*R.* 6 frcs.), of Jovian (*R.* 6 frcs., *Æ.* III. 2 frcs.), of Valentinian I. (*R.* 6 frcs., *Æ.* III., *Quin.* 3 frcs.), of Valens (*R.*, from *D'Ennery*, 40 frcs., *Æ.* III., *Quin.*, from *Tanini* 10 frcs.), of Gratian (*R.*, from *Khell*, 15 frcs., *Æ.* III., *Quin.* 3 frcs.), Valentinian II., in *exergue* T ✻ E or T ✻ H from *Tanini* (*Musée de Vienne*, *R.* 20 frcs., *Æ.* III., *Quin.* from *Wiczay*, 1 frc.), of Theodosius I. (*R.*, from *Beger*, 8 frcs., *Æ.* III., *Quin.* c.), of Magnus Maximus (*Æ.* III., *Quin.* 1 frc.), of Honorius (*R.* Med. 100 frcs., *R.* 6 frcs.), of Arcadius (*Æ.* III. 3 frcs.), of Constantius III. (*R.*, from *D'Ennery*, 200 frcs.), of Attalus (*R.*, from *D'Ennery*, 100 frcs.), and of Zeno (TOVVIMV MTI-VOT. V. MVLT. X. *R.* 30 frcs.)

VOT. V. MVLT. X. CAESS. *(Votis Quinquennalibus Multis Decennalibus Cæsarum)* within a laurel wreath, on coins of Licinius II. (*Æ.* III. 6 frcs.), of Crispus (*Æ.* III. I frc.), and of Constantine II. (*Æ.* III. 5 frcs.) These pieces were all struck at Thessalonica, as the letters TS. A. or B. or ϵ. (Thessalonicæ, 1, 2, 5) testify.

VOT. X. *(Votis Decennalibus)* within a laurel wreath, on coins of Constantius Chlorus (*Æ.* III. 1 frc.), of Galerius Maximian (*Æ.* III. c.), of Maximinus II. (*Æ.* II. 30 frcs.), of Constantine II., from *Banduri* (5 frcs.), and of Valentinian II., from *Tanini* (*R.* 20 frcs.) On the pieces of Constantius Chlorus and Galerius Maximian there occur the letters F. K. *(Felix Carthago)*, and T. *(Tarraconis)*; on that of Maximus II. T., and on that of Valentinian II. P. CONS. (?)

VOT. X. AVG. N. *(Votis Decennalibus Augusti Nostri)* within a laurel wreath. *Obv.*

IMP. CONSTANTINVS AVG. Bust of Constantine I. to r. Æ. *Quin.* (3 frcs.)

VOT. X. CAES. *(Votis Decennalibus Cæsaris)* within a wreath of oak. *Obv.* CONSTANTIVS CAES. Head of Constantius II. to r., laureated. *N.* (50 frcs.)

VOT. X. CAESS. *(Votis Decennalibus Cæsarum)* within a laurel wreath, on coins of Galerius Maximian (*N.*, from *Caylus*, 200 frcs.) and of Severus II. (Æ. III. *Quin.* 15 frcs.)

VOT. X. CAESS. NN. *(Votis Decennalibus Cæsarum Nostrorum)* within a wreath. *Obv.* MAXIMINVS AVG. Head of Maximinus II. Daza to r., laureated. Æ. III. *Quin.*, from *Tanini* (25 frcs.)

VOT. X. ET XV. F. *(Votis Decennalibus* et *Quindecennalibus Felicibus)* within a laurel wreath, on coins of Licinius II. (Æ. III. 20 frcs.) and Constantine II. (Æ. III. 2 frcs.), accompanied by the letters ϴs. *(Thessalonicæ)* or R. S., R. T. *(Romæ Secunda, Romæ Tertia)*, etc.

VOT. X. ET XV. FEL. *(Votis Decennalibus et Quindecennalibus Felicibus)* within a wreath; also the letters REDCS (?) *Obv.* IMP. LICINIVS AVG. Head of Licinius I. to r., laureated. Æ. III. from *Wiczay* (20 frcs.)

VOT. X. ET XX. *(Votis Decennalibus et Vicennalibus)* within a laurel wreath. *Obv.* GALLIENVS AVG. or P. F. AVG. Head or bust of Gallienus to r., radiated. *N.* (200 frcs.)

VOT. X. F. *(Votis Decennalibus Felicibus)* within a laurel wreath, on coins of Constantius Chlorus (Æ. III. 1 frc.) and of Galerius Maximian (Æ. III. c.)—both with mintmarks K. *Karthaginis* and T. *Tarraconis.*

VOT. X. FEL. *(Votis Decennalibus Felicibus)* within a laurel wreath; sometimes with the letters AQ. S. *(Aquileiæ Secunda)* or R. T. or R. Q. *(Romæ Tertia* or *Quarta.)* *Obv.* MAXENTIVS P. F. AVG. Head of Maxentius to r., laureated, or with lion's skin. Æ. III. (2 to 6 frcs.)

VOT. X. M. XX. *(Votis Decennalibus Multis Vicennalibus.)* Victory standing on a globe holding wreath and palm, on coins of Diocletian (Æ. III. 10 frcs.), and of Galerius Maximian (Æ. III. 12 frcs.)

VOT. X. M. XX. *(Votis Decennalibus Multis Vicennalibus)* within a wreath. *Obv.* MAXIMIANVS P. F. AVG. Bust of Maximian Hercules to r., radiated. Æ. III. from *Banduri* (20 frcs.)

VOT. X. MVL. XX. *(Votis Decennalibus Multis Vicennalibus)* within a laurel wreath. *Obv.* CONSTANTINVS AVG. Bust of Constantine I. to r., laureated. Æ. *Quin.* (1 frc.)

VOT. X. MVLT. XV. *(Votis Decennalibus Multis Quindecennalibus)* within a laurel wreath, on coins of Valens (*R.* from *D'Ennery*, in the *exergue* TR. *Treveris*, or TR. P. S. *Treveris Pecunia Signata*, 40 frcs.), of Gratian (*R.* from *Welzl*—in the *exergue* TR., 10 frcs.), of Theodosius I. (*R.* Med.—in *exergue* TR. P. S.—from *D'Ennery*, 100 frcs.), and of Honorius (*R.*—in *exergue* CONS., *Constantinopolis*—6 frcs.)

VOT. X. MVLT. XX. *(Votis Decennalibus Multis Vicennalibus)* within a laurel wreath, on coins of Licinius I. (Æ. III. from *Tanini*, 20 frcs.), of Julian II. (*R.*—various mint-letters in *exergue*—3 frcs., Æ. III. c.), of Jovian (*R.*—in *exergue* T. CONST. *Tertia Constantinæ*—Arles—30 frcs.), of Valentinian I. (*R.*—various mint-letters in the *exergue*—10 frcs.), of Valens (*R.*—various mint-letters in the *exergue*—4 to 20 frcs., Æ. III. *Quin.* 10 frcs.), of Gratian (*R.*—various mint-letters in the *exergue*—6 frcs., Æ. III. *Quin.* 1 frc.), of Valentinian II. (*R.*—in *exergue* MD. P. S. *Mediolani Pecunia Signata*—10 frcs., *N.* from *Mionnet*, 40 frcs., Æ. III. *Quin.* c.), of Theodosius I. (*R.*—various mint-letters in the *exergue*—5 frcs., Æ. III. *Quin.* c.), of Honorius (*R.*—in the *exergue* CONS. *Constantinopolis*—4 frcs.), and of Arcadius (*R.*—in the *exergue* CONS. or MD. P. S.—8 frcs., Æ. III—in the *exergue* ANT. Δ. Antiochiæ, 4, 2 frcs.)

VOT. X. MVLT. XX. *(Votis Decennalibus Multis Vicennalibus.)* Valentinian III., seated, facing, holding a signal-cloth *(Mappa)* and a cross; in the *field* RM. *(Romæ)* or RV. *(Ravennæ)*; in the *exergue* COMOB. *(Constantinæ Moneta*—72) [see VALENTINIAN I.] *Obv.* D. N. PLA. VALENTINIANVS P. F. AVG. Bust of Valentinian III. to l., diademed, with the Imperial mantle, holding a signal-cloth *(Mappa)* and a cross. *N.* (100 frcs.)

VOT. X. SIC XX. *(Votis Decennalibus Sic Vicennalibus)* within a laurel wreath. *Obv.* CONSTANTIVS N. C. *(Nobilis Cæsar.)* Head of Constantius Chlorus to r., laureated. *R. Quin.* (60 frcs.)

VOT. XIII. *(Votis Tredecennalibus)* within a laurel wreath. *Obv.* D. N. IVSTINIANVS P. A. *(Perpetuus Augustus.)* Bust of Justinian I. to r., diademed. Æ. (15 frcs.)

VOT. XIII. *(Votis Tredecennalibus)* within a laurel wreath. *Obv.* D. N. IVSTINVS PP. *(Perpetuus)* AVG. Bust of Justinus I. to r., diademed. *R. Semi-Siliqua* (25 frcs.)

VOT. XV. FEL. XX *(Votis Quindecennalibus Felicibus Vicennalibus)* within a laurel wreath on small brass coins of Licinius II. (20 frcs.), of Constantine I. (6 frcs.), and of Crispus (2 frcs.), with the mint-letters R. P., R. S., R. T., R. Q. *Romæ Primæ, Secunda, Tertia, Quarta.*

VOT. XV. MVLT. XX. *(Votis Quindecennalibus Multis Vicennalibus)* within laurel wreath, on coins of Constans I. (Æ. III. 2 frcs.), of Constantius II. (Æ. III. *Quin.* 4 frcs.), of Valentinian I. (*R.*—in the *exergue* SISC. P. S. *Siscie Pecunia Signata.*—10 frcs.), of Valens (*R.*—in the *exergue* SISC. P. S.—10 frcs.; also VOT. VX. *(sic)* MVLT. XX.—in the *exergue* T⋇Є or C⋇S. *(Banduri)*—*R.* 20 frcs., Æ. III. *Quin.* from *Tanini*, 10 frcs.), of Gratian (*R.*—in the *exergue* SISC. P. S. or T⋇Є.—6 to 15 frcs., Æ. III. *Quin.* 1 frc.), of Valentinian II. (Æ. III. *Quin.* c.), of Theodosius I. (*R.* from *D'Ennery* 10 frcs., Æ. III. *Quin.* c.), and of Honorius (*R.*—in the *exergue* CONS. *Constantinopolis*—6 frcs.)

VOT. XV. MVLT. XXXX. *(Votis Quindecennalibus Multis Quadragennalibus)* within

a laurel wreath; in the *exergue* T☧E. *Obv.* D. N. GRATIANVS P. F. AVG. Bust of Gratian to r., diademed. *Æ.* (20 frcs.)

VOT. XV. MVLTIS XX. *(Votis Quindecennalibus Multis Vicennalibus)* within a wreath; in the *exergue* SISC. P. or SISC. P. S. *(Siscia Prima* or *Pecunia Signata.) Æ.* Med., of Valentinian I. from *D'Ennery and Mionnet* (60 frcs.)

VOT. XX. *(Votis Vicennalibus)* within a laurel wreath on coins of Diocletian, with or without mint-letters, on small brass coins of Diocletian (2 frcs.), of Maximian Hercules (c.), of Constantius Chlorus (1 frc.), and of Galerius Maximian (c.)

VOT. XX. AVGG. *(Votis Vicennalibus Augustorum)* in three lines within a laurel wreath, below which sometimes an eagle, on coins of Diocletian (*N.* 120 frcs., *Æ.* from *Tanini* 20 frcs.), of Maximian Hercules (*N.* 120 frcs.), of Constantius Chlorus (*Æ.* III. *Quin.* 10 frcs.), and of Severus II. (*Æ.* III. from *Hardouin* 20 frcs.)

VOT. XX. AVG. NN. *(Votis Vicennalibus Augustorum Nostrorum)* in four lines within a laurel wreath, on gold coins of Maximian Hercules (120 frcs.), and of Constantius Chlorus (from *Tanini* 200 frcs.)

VOT. XX. CAESS. *(Votis Vicennalibus Cæsarum)* within a laurel wreath. *Obv.* CONSTANTIVS N. C. *(Nobilis Cæsar.)* Head of Constantius Chlorus to r., laureated. *Æ.* III. *Quin.* (10 frcs.)

VOT. XX. FEL. *(Votis Vicennalibus Felicibus)* on a shield, on third brass coins (3 frcs.), of Maxentius, with legend VICTORIA AETERNA AVG. N. *(q. v.)*

VOT. XX. MVL. XXX. *(Votis Vicennalibus Multis Tricennalibus)* within a wreath; in the *exergue* CONCM (?). *Obv.* D. N. VALENS P. F. AVG. Bust of Valens to r., diademed. *Æ.* from *D'Ennery* and *Tanini* (12 frcs.)

VOT. XX. MVLT. XXX. *(Votis Vicennalibus Multis Tricennalibus)* within a laurel wreath, with or without mint-letters, on small brass coins, principally *Quinarii*, of Constantine I. (1 frc.), of Constans I. (2 frcs.), of Constantius II. (3 frcs.), of Valens (10 frcs.), and of Valentinian II. (c.)

VOT. XX. MVLT. XXX. *(Votis Vicennalibus Multis Tricennalibus.)* Victory standing to l., holding a cross, on gold coins of Honorius (in *exergue* CONOB. 40 frcs.), of Placidia (with RM. *Romæ* or RV. *Ravennæ*, or AQ. *Aquileiæ* in the *field*, and in the *exergue* COMOB., 150 to 300 frcs.), of Honoria (with RV. *Ravennæ* in the *field*, and in the *exergue* COMOB., 400 frcs.), of Theodosius II. (with sometimes a *star* in the *field*, and in the *exergue* COMOB. or CONOB., 25 frcs.), of Eudocia his wife (150 frcs.), and of Pulcheria his sister (150 frcs.)

VOT. XX. *(Votis Vicennalibus)* P. M. TR. P. XV. IMP. VIII. COS. VI. S. C., in five lines, within a laurel wreath. *Obv.* M. COMM. ANT. P. FELIX AVG. BRIT. P. P. Head of Commodus to r., laureated. *Æ.* II. (10 frcs.)

VOT. XX. SIC XXX. *(Votis Vicennalibus Sic Tricennalibus)* within a laurel wreath, on coins of Diocletian. (*N.* from *Banduri*, 200 frcs., *Æ.* III. *Quin.* 10 frcs.)

VOT. XXX. AVGG. *(Votis Tricennalibus Augustorum)* or AVGG. NN. *(Augustorum Nostrorum)*, on small brass coins of Maximian Hercules (20 to 25 frcs.)

VOT. XXX. MVLT. XXXX. *(Votis Tricennalibus Multis Quadragennalibus)* within a laurel wreath; in the *exergue* P. CON. *Prima Constantinæ*—Arles) on silver coin of Julian II. from *D'Ennery* (15 frcs.)

VOT. XXX. MVLT. XXXX. *(Votis Tricennalibus Multis Quadragennalibus.)* Honorius in Imperial dress, seated, facing, holding a signal-cloth *(Mappa)* and a sceptre surmounted by an eagle; the seat is ornamented with two lion's heads; in the *field* RV. *(Ravennæ)*; in the *exergue* COMOB. *Obv.* D. N. HONORIVS P. F. AVG. Bust of Honorius, helmeted, facing, wearing the Imperial mantle, and holding a signal-cloth *(Mappa)* and a sceptre surmounted by an eagle. *N.* (40 frcs.)

VOT. XXX. MVLT. XXXX. *(Votis Tricennalibus Multis Quadragennalibus.)* Valentinian III. in Consular dress, standing with a diadem ornamented with a cross, presenting his hand to a kneeling figure, and holding a sceptre surmounted by a cross; in the *field* RM. *(Romæ)*; in the *exergue* COMOB. *Obv.* D. N. PLACIDIVS VALENTINIANVS P. F. AVG. Bust of Valentinian III. to l., diademed, with the Imperial mantle holding a book (? the signal-cloth—*Mappa)* and a sceptre surmounted by a cross. *N.* Med. (500 frcs.) A very similar type occurs on the gold coins with obverse legend D. N. PLA. VALENTINIANVS P. F. AVG. (50 frcs.)

VOT. XXX. MVLT. XXXX. *(Votis Tricennalibus Multis Quadragennalibus)* sometimes followed by B or Θ. Rome, helmeted, seated to l., placing right foot on the prow of a vessel and holding a cross surmounted by a globe and a sceptre; behind her a shield; in the *field* a star; in the *exergue* CONOB. *(Constantinopolis* 72.) *Obv.* D. N. VALENTINIANVS P. F. AVG. Bust of Valentinian III. facing, helmeted, with the cuirass, holding a spear and a shield on which is represented the Emperor on horseback felling an enemy. *N.* (100 frcs.) Similar types occur on the gold coins of Theodosius II. (in the *exergue* sometimes TESOB. *Thessalonicæ* 72. 30 frcs.) and of his sister Pulcheria (200 frcs.)

VOT. XXX. MVLT. XXXX. *(Votis Tricennalibus Multis Quadragennalibus.)* Theodosius II. and Valentinian III. seated facing, each holding a signal-cloth *(Mappa)* and a cross; in the *exergue* CONOB. *Obv.* D. N. THEODOSIVS P. F. AVG. Bust of Theodosius II. to r., diademed. *N.* (25 frcs.)

VOT. XXX. MVLT. XXXX. *(Votis Tricennalibus Multis Quadragennalibus.)* Eudoxia and her husband Valentinian III. standing facing; Eudoxia holds a sceptre and Valentinian III. a globe surmounted by a cross; in the *field* RM. *(Romæ)*; in the *exergue* COMOB. *Obv.*

LICINIA EVDOXIA P. F. AVG. Bust of Eudoxia, facing, with two long strings of pearls; on her head a cross. *Æ*. (800 frcs.)

VOT. XXXV. MVLT. XXXX. *(Votis Quinque-Tricennalibus Multis Quadragennalibus)* within a laurel wreath; in the *exergue* CONS. *(Constantinopolis)* and two stars. *Obv.* D. N. LEO PERPET. AVG. Bust of Leo I. to r., diademed. *Æ*. Med. (800 frcs.)

VT. (for VOT.) XXXV. *(Votis Quinque-Tricennalibus)* within a wreath; in the *exergue* CON. *(Constantinopolis.)* *Obv.* D. N. THEODOSIVS P. F. AVG. Bust of Theodosius II. to r., diademed. Æ. III. (5 frcs.)

VOT. XXXX. *(Votis Quadragennalibus)* within a laurel wreath; in the *exergue* C. Θ. *Obv.* D. N. CONSTANTIVS P. F. AVG. Bust of Constantius II. to r., diademed. *Æ*. 2. (15 frcs.) M. Cohen has remarked *(Méd. Imp.*, 1st ed., vol. vi., p. 285, *note)* with respect to the silver of Constantius II., that under this Emperor and his successor Julian II. there exist two sizes of silver, the smaller not being the *quinarius*. The coin described is of the smaller size.

Vota. Vows were both *private* and *public*. As an example of the former may be mentioned the case of Horace, who, on escaping death from the fall of a tree on his farm, vowed sacrifices to Faunus and to Bacchus (*Odes*, II., 13, 17; III., 8.) The latter VOTA PVBLICA "Public vows" were made on the marriage of an Emperor and Empress (Antoninus Pius with Faustina I., Marcus Aurelius with Faustina II., Commodus with Crispina, etc.), and on many other occasions [VOTA PVBLICA]—comp. PIO IMP [*eratori*] OMNIA FELICIA, etc., on brass medallions of Commodus, S. P. Q. R. A. N. F. F. HADRIANO AVG. P. P. *Senatus Populusque Romanus annum novum faustum felicem Hadriano Augusto Patri Patriæ*, on large brass of Hadrian, S. P. Q. R. A. N. F. F. OPTIMO PRINCIPI on brass medallion of Antoninus Pius, or with PIO. S. C. added on second brass of Alexander Severus, FLVR. NATAL. FELIC. *Plures Natales Feliciter* on third brass coins of Maximian Hercules and Constantine I., VOTA ORBIS ET VRBIS SEN. ET P. R. *Senatus et Populi Romani*, on silver medallions of Licinius I. and Constantine I., and FELICITER NVPTIIS on a gold coin commemorating the marriage of Marcian and Pulcheria. It was the custom at Rome to make "public vows" on the Kalends of January, when the consuls were elected, for the safety of the Empire, and two days before the Nones of the same month for the preservation of the Emperors. Other "vows" were made at special events, or at certain periodical times. To the first class belong those vows made for the safety of Augustus in B.C. 16. —VOT. P. SVSC. PR. [or PRO.] SAL. ET RED. I. O. M. SACR. *Vota publice suscepta pro salute et reditu Jovi Optimo Maximo Sacrata*, I. O. M. S. P. Q. R. V. S. PR. S. IMP. CAE. QVOD. PER. EV. R. P. IN AMP. ATQ. TRAN. S. E. *Jovi Optimo Maximo Senatus Populusque Romanus Votum Susceptum pro salute Imperatoris Cæsaris quod per eum Respublica in ampliore atque tranquilliore statu est*, or V. P. RED. CAES. *Vota pro reditu Cæsaris*, or V. S. PRO S. ET RED. AVG. *Votum Solvit pro salute et reditu Augusti.* To the second the *Vota decennalia, quinquennalia*, etc. The "decennial vows" date from the reign of Augustus, who in B.C. 27 accepted the government for ten years, then in B.C. 18 for two periods of five years, in B.C. 8 for another ten years, in A.D. 4 for a further ten (Dion. Cass., liii., 13, 16), and in A.D. 13 a fifth time for ten years (Dion. Cass., lvi., 28.) These decennial vows were kept very regularly by the successors of Augustus, and are first mentioned on the coins of Antoninus Pius—PRIMI DECEN. COS. IIII. [TR. P. XI. on obverse=A.D. 148], PRIMI DECENNALES COS. IIII. [TR. P. XI. on obverse=A.D. 148.] (Cohen *Méd. Imp.*, 2nd ed., vol. ii.. pp. 337, 346, 347. For the question of date see Cohen *op. cit.*, and vol. iii., p. 353, and T. J. Arnold, *Num. Chron.*, N.S., 1873, vol. xiii., p. 130.) At a later period the *decennalia* were celebrated every 5, 10, 15, 20, 25, 30, 35, and 40 years. The principal legends on the coins are—VOT. V. MVLT. X., VOT. X. ET XV. or XX., VOT. X. SIC XX., VOT. XV. MVLT. XX. or XXX., VOT. XX. SIC or MVLT. XXX., VOT. XXX. MVLT. XXXX., VOT. XXXV. or VOT. XXXV. MVLT. XXXX., XXXX. (last used on gold coins of Justinian I., Sabatier, *Mon. Byz.*, vol. i., p. 177), VOTIS MVLTIS, VOTIS X. ET XX., VOTIS XX. MVLTIS XXX., etc., PRIMIS X. MVLTIS XX., SIC. X. SIC XX. In the *Upper Empire* we find the legends—VOTA SVSCEPTA DECENNALIA, when the vows were made for ten years, and VOTA SOLVTA DECENNALIA when the vows were accomplished (Cohen, *Méd. Imp.*, 2nd ed., vol. vi., p. 458.) Cohen is of opinion that when the vows were only made or undertaken (SVSCEPTA) the bull to be sacrificed was not slain, but when accomplished (SOLVTA) the sacrifice was complete—"c'est pour cela qu'on voit un taureau au pied du trépied avec la légende VOTA SOL. et qu'on n'en voit point avec la légende VOTA SVSCEPTA (*Méd. Imp.*, 2nd ed., vol. ii., p. 377)—a rule not observed on the coinage of Caracalla, and supposed by Cohen to be a proof, amongst other things, of the decadence of art (*Méd. Imp.*, 2nd ed., vol. iv., p. 214), a general interpretation with which Frochner does not agree (*Les Médaillons de l'Empire Romain*, p. 66.) The curious forms of the *Later Empire* may be explained by "Vows made for five or more years, and for many others besides (MVLTIS) up to twenty, thirty, or forty years," and by "As (SIC) the vows are for ten years so (SIC) are they for twenty, thirty, etc." Very often vows were anticipated for a much longer period than were ever fulfilled, for instance Valens only reigned for fourteen years, and we find on the coins vows for twenty and thirty years—VOT. XX. MVLT. XXX. (Cohen, *Méd. Imp.*, 2nd ed., vol. vi., p. 458.) For fuller information on the "*Nummi votorum*," Eckhel *(Doct. Num. Vet.*, vol. viii., pp. 473-488) should be consulted.

VOTA—HAEC VOTA MVLT. ANN. *(Multis Annis)* on silver coin of Constantine I., from *Bauduri.*—SAE. VOTA MVLT. DD. NN. *(Sæculi Vota Multis [Annis] Dominorum Nostrorum)*

on brass *quinarius* of Constantine I. from *D'Ennery*.

VOTA (in the *field* on gold coins, in the *exergue* on brass) COS. IIII. Antoninus Pius veiled, standing to l., holding *patera* and roll sacrificing at a tripod, on gold coins (45 frcs.) and large and second brass (6 to 3 frcs.) of Antoninus Pius.

VOTA (in *exergue*) TR. P. XXI. IMP. IIII. COS. III. Marcus Aurelius standing to l., sacrificing at a tripod. *Obv.* M. ANTONINVS AVG. ARM. PARTH. MAX. *(Armeniacus Parthicus Maximus.)* Head of Aurelius to r., laureated. Æ. II. (3 frcs.)

VOTA (in the *exergue*) P. M. TR. P. COS. III. P. P. Tetricus I. and II. facing each other, sacrificing at a lighted altar; the figure holding a globe is crowned by Victory. *Obv.* IMPP. TETRICI AVGG. Busts facing of Tetricus I., laureated, and Tetricus II. bare. *N.* (800 frcs.) Æ. III. (100 frcs.)

VOTA AVGVSTI. Helmeted bust of Rome to r. (with the features of Victoria) yoked to that of Diana, or busts facing of Apollo (with the features of Victorinus II. ?) laureated, and of Diana, on gold coins of Victorinus I. (800 frcs.) [VICTORIA or VICTORINA; VICTORINVS I. and II.]

VOTA CAESS. *(Cæsarum.)* Two Victories holding a shield on which VOT. XXX. *Obv.* CONSTANTINVS IVN. NOB. CAES. *(Junior Nobilis Cæsar.)* Bust of Constantine II. to r., laureated. Æ. Med. from *Tunini* (200 frcs.)

VOTA DEC. ANN. SVSC. TR. P. XX. IMP. IIII. COS. III. S. C. (Antoninus Pius) or TR. P. VI. IMP. IIII. COS. III. P. P. S. C (Commodus.) The Emperor, veiled, standing, sacrificing at a tripod, on second brass coins of Antoninus Pius and Commodus (3 frcs.) The legend should probably be interpreted VOTA DECEM ANNALIA and *not* VOTA DECANNALIA *(sic)*, in accordance with another legend on large brass coins of Antoninus Pius, SECVND. DECEM ANNALES. (Cohen, *Méd. Imp.*, 1st ed., vol. ii., p. 391; vol. iii., p. 185; 2nd ed., vol. ii., p. 346 [where DECEN. seems to be a misprint for DECEM.]; vol. iii., p. 353.) [See *Vota.*]

VOTA DECENALIA *(sic)* or DECENNALIA. Victory standing to r., writing on a shield attached to a palm, on *billon* coins of Gallienus (2 frcs.)

VOTA ORBIS. Two Victories standing, attaching a shield on which is S. C. *(Senatus Consulto)* to a palm, on coins of Valerian I. *(Bil.* 6 frcs.), of Gallienus *(Bil.* 3 frcs.), and of Claudius II. (Æ. III. 20 frcs.)

VOTA ORBIS ET VRBIS SEN. ET. P. R. *(Senatus et Populi Romani.)* Column surmounted by a basket (? ?). On the column FEL. *(Felicia ?)*; in the *field* L.; in the *exergue* AQ. *(Aquileiæ.)* *Obv.* IMP. LICINIVS PIVS FELIX AVG. Bust of Licinius I., helmeted, to r., with cuirass, holding spear and shield. *R.* Med. (300 frcs.)—*Same legend.* Cippus on which XX. XXX. AVGG. placed on a square base; in the *field* two stars; in the *exergue* AQ. S. *(Aquileiæ Secunda.)* *Obv.* IMP. CONSTANTINVS MAX. AVG. Bust of Constantine I., helmeted, to l., holding a spear and a shield. *R.* Med. (200 frcs.)

VOTA PVBL. *(Publica)* P. M. TR. P. On coins of Macrinus. Jupiter, naked, standing, holding thunderbolt and sceptre, to r. Macrinus standing (*R.* 6 frcs.; Æ. I. 40 frcs.);—The goddess Fidelity standing to l., between two standards, holding a standard in each hand (*R.* 6 to 12 frcs.; Æ. II. 12 frcs.);—The goddess Felicity standing to l., holding a *caduceus* and a sceptre (*R.* 6 frcs.; Æ. II. 12 frcs.);—The goddess Health standing to l., feeding a serpent entwined round an altar, and holding a sceptre (*R.* 6 to 12 frcs.);—The goddess Security seated to l., holding a spear; at her feet a lighted altar. (*N.* 500 frcs.; *R.* 6 frcs.; Æ. I. 40 frcs.; Æ. II. 12 frcs.)

VOTA PVBLICA. Hadrian standing to l., sacrificing at an altar or tripod, and holding a roll; to l. a *Victimarius* leading a bull and holding a hammer, a soldier holding a spear, a player on the double flute, and an infant—on gold (200 frcs.) and silver coins (4 to 6 frcs.) of Hadrian.

VOTA PVBLICA. Antoninus I. and Faustina I., or M. Aurelius and Faustina II., or Commodus and Crispina joining hands; behind, *Juno Pronuba* standing—on gold coins of Faustina I. (150 frcs.), and Aurelius (100 frcs.), and on brass medallions (500 frcs.) of Crispina and Commodus.

VOTA PVBLICA S. C. M. Aurelius holding a roll and Faustina II., standing, joining hands; between them *Juno Pronuba* standing to r.—on large brass (15 frcs.) and second brass coins (8 frcs.) of Aurelius.

VOTA PVBLICA S. C., within a wreath. *Obv.* IMP. M. ANTONINVS AVG. TR. P. XX. . . . Head of M. Aurelius to r., laureated. Æ. I. (10 frcs.)

VOTA PVBLICA IMP. VIIII. COS. III. P. P. S. C. The Emperor veiled standing to l., sacrificing on a tripod or altar, and holding a book—on large brass (6 frcs.) and second brass coins (3 frcs.) of Aurelius. Varieties of this type (with or without *book* or *patera*, and sometimes a victim) occur on the coins of Commodus (Æ. I. 6 frcs., Æ. II. 3 frcs.), of Septimius Severus (*N.* 200 frcs., *R.* c., Æ. II. 4 frcs.), of Caracalla (*R.* 3 frcs., Æ. I. 12 frcs., Æ. II. 6 frcs.), of Geta (*N.* 400 frcs., *R.* c., Æ. I. 15 frcs., Æ. II. 5 frcs.), and of Elagabalus (*R.* 6 frcs.)

VOTA PVBLICA (in *exergue*), etc. The Emperor standing to l., sacrificing at a tripod; facing is a child, behind whom a *Victimarius* about to sacrifice a bull; behind two flute-players to r. and a man standing to l.; beyond, a hexastyle temple—several varieties of type on brass medallions of Aurelius and Commodus (400 to 450 frcs.) Cf. Frochner, *Les Médaillons de l'Empire Romain*, pp. 93, 114, 122.

VOTA PVBLICA, within a laurel wreath; in the centre a dot. *Obv.* LVCILLAE AVG. ANTONINI AVG. F. *(filia.)* Bust of Lucilla to r. *N.* (130 frcs.), *R.* (10 frcs.) On some coins the legend is *outside* the laurel wreath. (*R.* 30 frcs.)

VOTA PVBLICA IMP. II. COS. P. P. S. C. Commodus, veiled, standing to l. (or, according to the late Abbé Cavedoni, "The Genius of the Senate"), sacrificing at a lighted tripod, and holding a short sceptre; facing him a *Victimarius* about to sacrifice a bull; or Commodus, veiled, standing to l., sacrificing at a tripod—on large brass (20 frcs.) and large and second brass (6 and 3 frcs.) coins of Commodus.

VOTA PVBLICA S. C. Severus veiled, and Caracalla standing facing each other, sacrificing at an altar—on large brass coins of Septimius Severus (25 frcs.), and Julia Domna from *Vaillant*.

VOTA PVBLICA. Eight figures sacrificing before a temple—on second brass coins of Septimius Severus from *Vaillant*.

VOTA PVBLICA S. C. Piety, veiled, standing to l., placing a grain of incense on the flame of a lighted altar, and holding a box of perfumes—on large (8 frcs.) and second brass (3 frcs.) coins of Julia Domna.

VOTA PVBLICA. Geta, veiled, standing to l., sacrificing at a tripod, facing a figure holding a sacrificial vase; behind the tripod, a flute-player standing facing and a dead bull. *Obv.* P. *(Publius)* SEPT. GETA CAES. PONT. Bust of Geta, unbearded, bare, to r. *N.* (500 frcs.)

VOTA PVBLICA. Two figures in *toga*, veiled, sacrificing; a third in the centre; near are a *camillus* and a flute-player—on silver coins (60 frcs.) of Geta from *Vaillant*.

VOTA PVBLICA. Altar. *Obv.* IMP. C. TETRICVS. Bust of Tetricus, radiated, to r. Æ. III. from *Banduri* (6 frcs.)

VOTA PVBLICA. Carinus and Numerian, standing in military dress facing each other, sacrificing at a lighted altar or tripod; in the back-ground two or one military standard—on third brass coins (5-3 frcs.) of Carinus and Numerian.

VOTA PVBLICA. Vessel with two masts or sails; at the poop, Serapis seated; at the prow, Isis standing drawing the sails towards her—on second brass coins of Diocletian (from *Banduri*) and Maximian Hercules (100 frcs.) These pieces were issued in A.D. 305 after the abdication of the two Emperors, and the obverse legends are D. N. *(Domino Nostro)* DIOCLETIANO [or MAXIMIANO] FELICISSIMO SEN. AVG. *(Seniori Augusto.)*

VOTA PVBLICA. The Emperor standing between two females, one of whom carries a Victory; in the *exergue* P. TR. *(Prima Treveris.)* *Obv.* MAXIMIANVS AVG. Head of Maximian Hercules to r., laureated. *N.* (300 frcs.)

VOTA PVBLICA. Isis standing to l. holding a *sistrum* and a bucket or a disc—on small brass coins *(Quin.)* of Licinius I. (50 frcs.) of Crispus (20 frcs.), and of Constantine I. and Constantine II. (25 frcs.), and on second brass coins of Valens (60 frcs.)

VOTA PVBLICA. Isis standing on a vessel with sails closed up, sometimes holding sail with both hands, sometimes accompanied with rowers—on small brass coins *(Quin.)* of Constantine I. (25 frcs.), Crispus (20 frcs.), Constantine II. (25 frcs.), Constans I. (20 frcs.), and of Magnentius and Constantius Gallus (25 frcs.)

VOTA PVBLICA. Isis seated, sometimes holding a *sistrum*, near the rudder of a galley to l., with closed sail and two sailors—on small brass coins *(Quin.)* of Constantine I. (25 frcs.), and Crispus (20 frcs.)

VOTA PVBLICA. Anubis, standing, holding a *sistrum* or a palm and a *caduceus*—on small brass coins *(Quin.)* of Constantine I. (25 frcs.), Crispus (20 frcs.), Constantine II. (25 frcs.), Constantius II. (20 frcs.), Julian II. (15 frcs.), Julian II. and Helena (20 frcs.), Helena (15 to 25 frcs.), Valentinian I. from *Wiczay* (40 frcs.), Valens (40 frcs.), and Gratian from *D'Ennery* (30 frcs.)

VOTA PVBLICA. Constantine I., standing, facing, between two females; the one to the left is turreted, and offers him a globe surmounted by a Victory; the other offers a crown; in the *exergue* P. TR. *(Prima Treveris.)* *Obv.* CONSTANTINVS P. F. AVG. Head of Constantine I. to r., laureated. *N.* (200 frcs.)

VOTA PVBLICA. The Emperor, standing, holding a globe and a sceptre—on small brass coins *(Quin.)* of Constantine II. from *D'Ennery* (25 frcs.)

VOTA PVBLICA. River-god, half naked, reclining to l., holding a boat, with the left elbow leaning on an urn. *Obv.* D. N. FL. CL. CONSTANTIVS NOB. CAES. Bust of Constantius Gallus to r., bare. Æ. III. *Quin.* (25 frcs.)

VOTA PVBLICA. Various types—Harpocrates, Isis seated or standing or kneeling, or in a car drawn by two mules—sometimes accompanied by Anubis, sometimes holding a baton at the end of which an hippopotamus; a female seated or standing, holding a cornucopiæ or a branch; Serapis; Anubis; the Nile, etc.—on small brass coins (sometimes *Quin.*) of Julian (with obv. leg. DEO SARAPIDI or SERAPIDI and VOTA PVBLICA), Julian and Helena, Helena (with ISIS FARIA and DEO SERAPIDI), Jovian, Valentinian I., Valens and Gratian (20 to 40 frcs.) The types of Isis occur on the second brass of some of these Emperors (60 frcs.)

VOTA PVBLICA. Isis and Osiris, their bodies ending in a serpent, facing each other, holding a vase out of which rises a serpent. *Obv.* DEO SERAPIDI. Bust of Julian II., bearded, to r., radiated with the *modius*. Æ. III. (40 frcs.); or his bust to l., diademed, with curly hair and long beard, and highly ornamented cuirass, holding a globe surmounted by a Victory and a buckler, on which is represented the wolf suckling Romulus and Remus. Æ. III. (50 frcs.)

VOTA PVBLICA. Two females (Furies?) standing, facing each other, with serpents on their heads, each holding a dagger and perhaps a *sistrum*—on coins of Julian II. (Æ. II. 100 frcs., Æ. III. 60 frcs.) and of Julian II. and Helena. (Æ. III. 60 frcs.)

VOTA PVBLICA. Centaur walking to l. *Obv.* DEO SERAPIDI. Bust of Julian II., bearded, to l., with the *modius*. Æ. III. *Quin.* (40 frcs.)

VOTA PVBLICA. The two Emperors (Valentinian I. and Valens, or Valens and Valentinian I., or Gratian and Valentinian II., or Honorius and Arcadius) with *nimbus* seated facing, each holding a book and a globe; sometimes at their feet two captives, and sometimes a branch of laurel between their feet; various mint-marks in the *exergue*—on gold coins of Valentinian I., Valens, Gratian, and Honorius (50 to 100 frcs.)

VOTA PVBLICA. Hercules, naked, standing to l., holding club and lion's skin. *Obv.* D. N. GRATIANVS P. F. AVG. Bust of Gratian to r., diademed. *Æ.* (50 frcs.)

VOTA PVBLLC. *(sic).* Isis standing on a vessel to l., looking to r., and drawing the sail towards her. *Obv.* CONSTANTINVS AVG. Head of Constantine I. to r. *Æ.* III. *Quin.* (25 frcs.)

VOTA QVICAE. *(sic).* Carausius standing to r., to whom Rome, helmeted, holding a sceptre, seated to l. on a shield, presents a Victory. *Obv.* IMP. CARAVSIVS P. F. AVG. Bust of Carausius to r., radiated. *Æ.* III. *Bodleian Library, Oxford* (50 frcs.)

VOTA ROMANORVM. The Emperor standing holding the *labarum* and a shield; on the ground a captive; in the *exergue*, A. *Obv.* D. N. ARCADIVS P. F. AVG. Bust of Arcadius to r., diademed. *Æ.* Med. from *Tanini* and *Mionnet* (24 frcs.)

VOTA SOL. DEC. II. [or DECENN. II.] COS. IIII. *(Soluta Decennalia Secunda. Consul Quartum.)* Antoninus Pius standing to l., holding a *patera* over a lighted tripod, and a roll; at the foot of the tripod, a bull lying down—on gold (45 frcs.), silver (45 frcs.), large brass (6 frcs.) and second brass (3 frcs.) of Antoninus Pius. A similar type with legend VOT. SOL. DECENN. COS. III. occurs on gold (100 frcs.), silver (5 frcs.), large brass (6 frcs.), and second brass (3 frcs.) coins of Marcus Aurelius.

VOTA SOL. DEC. PONTIF. TR. P. XI. COS. III. S. C. *(Soluta Decennalia. Pontifex Tribunitiâ Potestate Undecimâ Consul Tertium.)* Caracalla standing to r., sacrificing on a tripod, behind which a flute-player standing facing; opposite Caracalla a *Victimarius* sacrificing a bull. *Obv.* ANTONINVS PIVS AVG. Bust of Caracalla to r., laureated. *Æ.* II. (15 frcs.)

VOTA SOLV. PRO. SAL. P. R. *(Soluta pro Salute Populi Romani.)* Commodus, veiled, standing to l., sacrificing on a tripod, behind which a victim—on silver coins (3 frcs.) of Commodus. A similar legend with, in addition, COS. VI. P. P. S. C., and with additions to the type—a *Victimarius* raising an axe against a bull held by the horns, and a flute-player, etc., occurs on the large brass (40 frcs.) of Commodus.

VOTA SOLVT. DEC. COS. III. *(Soluta Decennalia. Consul Tertium.)* Three figures standing, sacrificing at an altar; at the side a bull. *Obv.* SEVERVS PIVS AVG. Head of Septimius Severus to r., laureated. *Æ.* (plated) from *Welzl.* (3 frcs.)

VOTA SOLVT. DEC. COS. III. *(Soluta Decennalia. Consul Tertium.)* Caracalla, veiled, standing to r., sacrificing on a tripod; facing him a *Victimarius* raising his axe against a bull behind, a flute-player. *Obv.* ANTONINVS PIVS AVG. Head of Caracalla to r., unbearded and laureated. *Æ.* from *Ancien Catalogue, Paris* (350 frcs.) [*Vota.*] A similar legend with Caracalla standing before a lighted tripod, holding a *patera* and a book, and behind a slain bull, occurs on his silver coins (6 frcs.)

VOTA SOLVTA DECENNALIVM COS. III. S. C. Marcus Aurelius standing to l., veiled, sacrificing at a tripod; at his feet a slain bull. *Obv.* IMP. M. ANTONINVS AVG. TR. P. XXV. Head of Marcus Aurelius to r., laureated. *Æ.* I. (6 frcs.)

VOTA SVSCEP. DEC. III. COS. IIII. *(Susceptа Decennalia Tertia. Consul Quartum.)* Antoninus Pius, veiled, standing to l., holding a *patera* above a lighted tripod and a roll, but *without* the bull at the foot of the tripod—on silver coins (3 to 6 frcs.) of Antoninus Pius.

VOTA SVSCEP. DECEN. *(Suscepta Decennalia)* P. M. TR. P., etc. Commodus, veiled, standing to l., sacrificing at a tripod—on large (6 frcs.) and second brass (3 frcs.) of Commodus.

VOTA SVSCEP. DECEN. *(Suscepta Decennalia)* S. C. Septimius Severus, veiled, standing to l., accompanied by three persons, and sacrificing at a lighted altar before a hexastyle Temple; facing are two persons standing and a *Victimarius* killing a bull; above, behind the altar, a flute-player standing facing—on large brass (100 frcs.) and second brass (100 frcs.) coins of Septimius Severus.

VOTA SVSCEP. DECENN. II. COS. III. *(Susceptа Decennalia Secunda. Consul Tertium.)* Marcus Aurelius, veiled, standing to l., sacrificing at a tripod; but *without* a slain bull—on gold (100 frcs.) and silver coins (5 frcs.) of Marcus Aurelius; or Marcus Aurelius standing, placing a grain of incense in the flame on a tripod—on large brass (5 frcs.) and second brass (3 frcs.) coins of Marcus Aurelius.

VOTA SVSCEP. DECENN. III. COS. IIII. *(Susceptа Decennalia Tertia. Consul Quartum.)* Antoninus Pius, veiled, standing to l., sacrificing at a tripod; but *without* a slain bull—on silver (3 frcs.) and large brass coins (6 frcs.) of Antoninus Pius.

VOTA SVSCEPTA (in *exergue*) P. M. TR. P. COS. VI. P. P. S. P. Q. R. (around). The Genius of the Senate standing to r., sacrificing at an altar in the presence of the Genius of the Roman people, also standing and holding a *patera* and a cornucopiæ—on gold (150 frcs.) and silver coins (50 frcs.) of Trajan. On the obverse there is sometimes a globe below the bust. A similar type occurs on the brass medallions of Hadrian (300 frcs.)

VOTA SVSCEPTA, within a wreath of oak—on gold (60 frcs.) and second brass coins (30 frcs.) of Hadrian.

VOTA SVSCEPTA DEC. III. COS. IIII. S. C. *(Decennalia Tertia. Consul Quartum.)* Antoninus Pius, veiled, standing to l., holding a *patera* above a lighted tripod and a roll; but *without* a victim—on large brass (6

frcs.) and second brass (3 to 8 frcs.) of Antoninus Pius. On a silver coin (6 frcs.) of same type the legend is VOTA SVSCEPTA DECENNAL. III., etc.

VOTA SVSCEPTA DECENNALIA S. C. Type similar to that on coins with legend VOTA SVSCEP. DECEN. S. C. *(q. v.)*—on second brass coins (100 frcs.) of Septimius Severus, from *Wiczay*.

VOTA SVSCEPTA FELICIA P. M. TR. P. XV. IMP. VII. (? VIII.) Two figures sacrificing at an altar—on brass medallions (? 200 frcs.) of Commodus, from *Vaillant*.

VOTA SVSCEPTA X. [or XX.] *(Decennalia* [or *Vicennalia*]). The Emperor standing to l., sacrificing at a lighted tripod—on silver coins of Septimius Severus (3 frcs.) and Caracalla (6 frcs.)

VOTA SVSCEPTA XX. *(Vicennalia.)* Severus standing to r., sacrificing at a lighted tripod, facing him a lictor (?) standing, holding a rod and *fasces* [FASCES—*Lictores*]; above Concord, veiled, standing—on gold (300 frcs.) and silver coins (25 frcs.) of Septimius Severus. A somewhat similar type, but, instead of Concord, a flute-player, occurs on his large brass coins (60 frcs.)

VOTA SVSCEPTA XX. *(Vicennalia.)* Severus and Caracalla sacrificing at a tripod; between them, behind the tripod, a flute-player. *Obv.* ANTONINVS PIVS AVG. Head of Caracalla to r., laureated. *R.* (50 frcs.)

VOTA SVSCEPTA XX. *(Vicennalia.)* Priest sacrificing at a tripod. *Obv.* IVLIA AVGVSTA. Head of Julia Domna. *R.* from *Khell.* (Hybrid coin.)

VOTA VICENNALIOR *(sic)*. Constantine II., laureated, seated to l., on a throne, holding a human head and a sceptre. *Obv.* CONSTANTINVS IVN. NOB. C. *(Junior Nobilis Cæsar.)* Bust of Constantine II. to r., laureated. *Æ.* III. *Quin.* (25 frcs.)

VOTA VIGENNALIA COS. IIII. Antoninus Pius sacrificing at a tripod, but *without* a victim—on gold (200 frcs.) and large brass coins (50 frcs.) of Antoninus Pius.

VOTA X. DD. NN. AVG. ET CAES. *(Decennalia Dominorum Nostrorum Augusti et Cæsaris.)* Two Victories standing, holding a wreath within which VOT. X. *(Votis Decennalibus.)* *Obv.* D. N. *(Dominus Noster)* MAGNENTIVS P. F. AVG. Bust of Magnentius to r., bare. *Æ.* III. from *Banduri*. Cohen (*Méd. Imp.*, 1st ed., vol. vi., p. 337) remarks that the legend of the reverse appears to be defective.

VOTA XX. ☪. (in *exergue*.) The Amphitheatre of Constantinople; two *quadrigæ*, wild animals, two gladiators fighting, etc. *Obv.* D. N. PLA. VALENTINIANVS P. F. AVG. Bust of Valentinian III. to r., diademed. Contorniate (pcu rare). See Sabatier, *Mon. Contorn.*, p. 60., pl, viii., No. 9. Cohen *(Méd. Imp.*, 1st ed., vol. vi., p. 504) says the specimen of this piece in the *Cabinet des Médailles, Paris*, is cast from the antique, and he does not know where authentic specimens exist.

VOTIS DECENNALIB *(us)*, within a wreath of laurel—on gold (200 frcs.) and *billon* coins (2 frcs.) of Gallienus.

VOTIS DECENNALIBVS. Septimius Severus, veiled, standing to l., sacrificing at a lighted tripod. *Obv.* L. SEPT. SEV. AVG. IMP. XI. PART. MAX. Head of Septimius Severus to r., laureated. *R.* (3 frcs.)

VOTIS DECENNALIBVS, within a wreath of oak—on gold from *Caylus* (180 frcs.) and silver coins (6 frcs.) of Septimius Severus.

VOTIS DECENNALIBVS, within a wreath of laurel—on coins of Maximinus I. (*R.* 20 frcs., *Æ.* I. 15 frcs., *Æ.* II. 8 frcs.), Balbinus (*N.* from *Vaillant*, *R.* 30 frcs., *Æ.* I. 25 frcs., *Æ.* II. 70 frcs.), Pupienus (*N.* from *Vaillant*, *R.* 30 frcs., *Æ.* I. 25 frcs., *Æ.* II. 80 frcs.), Gordianus Pius (*R.* 50 frcs., *Æ.* I. 15 frcs., *Æ.* II. from *Vaillant* 20 frcs.), Philip I. (*Æ.* I. 12 frcs., *Æ.* II. 6 frcs.), Philip II. (*Æ.* I. from *Mionnet* 25 frcs., *Æ.* II. 12 frcs.), Trajan Decius (*R.* 25 frcs., *Æ.* I. 20 frcs., *Æ.* II. 6 frcs.), Herennius (*R.* 30 frcs.), Hostilian (*Æ.* I. 50 frcs.), Trebonianus Gallus (*R.* 20 frcs., *Æ.* I. 10 frcs., *Æ.* II. 8 frcs.), Volusian (*R.* from *Vaillant* 10 frcs., *Æ.* I. 8 frcs., *Æ.* II. 6 frcs.), Æmilian (*R.* 30 frcs., *Æ.* I. 100 frcs., *Æ.* II. 60 frcs.), Valerian I. *(Bil.* 10 frcs., *Æ.* I. 6 frcs., *Æ.* II. 3 frcs.), and Gallienus *(Bil.* 2 frcs., *Æ.* Med. 120 frcs., *Æ.* I. 8 frcs., *Æ.* II. 5 frcs.)

VOTIS DECENNALIBVS. Victory standing to r., placing foot on globe and writing x on a shield which she holds on her knee. *Obv.* IMP. C. *(Cæsar)* TETRICVS AVG. Three-quarter bust of Tetricus I. *N. Quin.* (800 frcs.)

VOTIS FELICIBVS. Commodus standing to l., wearing pontifical robes, and holding *patera* and scroll, sacrificing at a tripod placed at entrance of the harbour of Ostia, towards which three galleys and two small boats are approaching—first a galley with four soldiers, and having at the prow two military standards; behind it a vessel in full sail, having a *vexillum* at prow and piloted by Jupiter Serapis or *Fortuna dux*, seated at the stern; above, a similar vessel in full sail, preceded by small boat with single oarsman; below, a small boat with single oarsman, and near it a buoy (?). The Emperor is accompanied by a priest who stands behind the tripod; behind the Emperor a *pharos* (Ostia), and beneath on the sea-shore a slain bull. *Obv.* IMP. COMMODVS

AVG. PIVS FELIX. Bust of Commodus to r., laureated and draped (Æ. Med. 500 frcs.) or three-quarter bust, laureated, draped, and with cuirass (800 frcs.); or M. *(Marcus)* COMMODVS ANTONINVS PIVS FELIX AVG. BRIT. *(Augustus Britannicus)*. Bust of Commodus to l., laureated, draped, and with cuirass, or to r. with the *ægis* (500 frcs.), or COMMODVS ANTONINVS PIVS FELIX AVG. BRIT. Bust of Commodus to r., laureated, and with cuirass in scales (500 frcs.)

The type of these large brass medallions, which were issued in A.D. 191, refers to the African fleet established by Commodus in A.D. 186, as testified by coins of that year with the legend PROVID. AVG. *(Providentia Augusti)* and the type a ship in full sail, to search for corn in Africa, in case the Egyptian harvest failed (Classem Africanam instituit: quæ subsidio esset si forte Alexandrina frumenta cessassent—Lamprid. *in Comm.*, 17.) The fleet has returned successful and the vows have been granted (Cf. A. Chabouillet, *Rev. Num.*, 1841, vol. iv., p. 349; H. A. Grueber, *Cat. of the Roman Medallions in the British Museum*, 1874, p. 31, Nos. 44-46; W. Froehner, *Les Médaillons de l'Empire Romain*, 1878, pp. 124, 125; Cohen, *Méd. Imp.*, 2nd ed., 1883, vol. iii., pp. 356, 357.)

VOTIS FELICIBVS. Similar type, the vessels varying in number of rowers and other details; in the *exergue* SIS. *(Siscia.)* *Obv.* IMP. C. C. VAL. *(Cæsar Caius Valerius)* DIOCLETIANVS P. F. AVG. Bust of Diocletian to l., laureated with Imperial mantle, holding a sceptre surmounted by an eagle. Æ. Med. (400 frcs.)

The reverse of this medallion is copied from those of Commodus above described. It is not certain on what occasion it was coined, but in all probability it commemorates a military action, perhaps the return of the expedition from Africa, in which Maximian I. in A.D. 297 defeated the *Quinquegentiani* or confederacy of five warlike clans of the mountain range Atlas, in Mauretania. (Cf. A. de Longpérier, *Rev. Num.*, 1865, p. 403, pl. xviii., 2; Cohen, *Méd. Imp.*, 1st ed., *Suppl.*, 1868, vol. vii., p. 343, pl. vii., 2nd ed., vol. vi., p. 475; W. Froehner, *Les Médaillons de l'Empire Romain*, 1878, p. 261.)

VOTIS MVLTIS. Majorian standing facing, holding a spear and a shield, ornamented with a star; in the *field* an unknown symbol. *Obv.* D. N. *(Dominus Noster)* MAIORIANVS P. F. AVG. Helmeted bust of Majorian to r., holding a spear, or helmeted bust to r., having at the top of the left arm a *fibula*, ornamented with ⁂. (Banduri) Æ. (100 frcs.)

VOTIS MVLTIS. Majorian and Leo I. seated facing, each holding a *mappa* and a cross; between them, in the *field* RV. *(Ravennæ)*; in the *exergue* COMOB. [see p. 835]. *Obv.* D. N. IVL. [or IVLIVS] MAIORIANVS P. F. AVG. Bust of Majorian facing, diademed, with the Imperial mantle, holding a *mappa* and a cross. *N.* (100 frcs.)

VOTIS PVBLICIS (in *exergue*) [*Restitutori*] GALLIARVM (around.) Victorinus I. standing to l., between Victory, who is crowning him, and who holds a palm, and Felicity, who holds a sceptre and a cornucopiæ, raising a turreted female (Gaul). *Obv.* IMP. CAES. VICTORINVS PIVS FELIX. AVG. Bust of Victorinus I. to r. Æ. Med. (1200 frcs.)

VOTIS ROMANORVM. Two Victories standing, holding a panel on which SIC. XX. SIC. XXX.; in the *exergue* AQ. *(Aquileiæ.)* *Obv.* DIOCLETIANVS P. F. AVG. Head of Diocletian to r., laureated. *N.* (200 frcs.)

VOTIS VIGENNALIBVS, within a wreath of laurel—on gold (150 frcs.) and silver coins (30 frcs.) of Alexander Severus.

VOTIS V. *(Quinquennalibus)* within a wreath of laurel; in the *exergue* P. CON. *(Prima Constantinæ*—Arles.) *Obv.* D. N. MAG. *(Dominus Noster Magnus)* MAXIMVS P. F. AVG. Bust of Maximus to r., diademed. Æ. III. from *Banduri* (1 frc.)

VOTIS V. *(Quinquennalibus)* MVLTIS X. *(Decennalibus.)* Victory standing, holding a shield on a *cippus*; on the shield VICTORIA AVG.; in the *exergue*, various mint-marks—on gold coins of Licinius I. (300 frcs.) and Constantine I. (80 frcs.)

VOTIS V. *(Quinquennalibus)* MVLTIS X. *(Decennalibus)* within a laurel wreath; in the *exergue*, various mint-marks—on silver coins of Constantius Gallus (40 frcs.), Julian II. (2 to 6 frcs.), Jovian (Med. 200 frcs.), Valentinian I. (Med. 60 frcs., Æ. 6 frcs.), Valens (Med. 40 frcs.), Gratian (Med. 60 frcs.), Magnus Maximus (Med. 300 frcs.), Constantius III. (from *Mionnet* 200 frcs.), and Jovinus (30 frcs.)

VOTIS X. *(Decennalibus.)* Diocletian and Maximian Hercules sacrificing at an altar—on small brass coins of Diocletian, from *D'Ennery* (50 frcs.), and Maximian Hercules (6 frcs.) Also on gold medallion of Maximian Hercules, from *Mionnet* (300 frcs.)

VOTIS X. *(Decennalibus)*, within a laurel wreath—on small brass coins *(Quin.)* of Constantius Chlorus, from *Tanini* (10 frcs.) and Constantine I. (3 frcs.)

VOTIS X. *(Decennalibus.)* Galerius Maximian, laureated, standing to l., sacrificing on a lighted altar. *Obv.* MAXIMIANVS NOB. C. *(Nobilis Cæsar.)* Bust of Galerius Maximian to r., radiated. Æ. III. from *Banduri* (10 frcs.)

VOTIS X. CAESS. NN. MN⌐. *(Decennalibus Cæsarum Nostrorum. Moneta Nicomediæ* 3) in four lines within a wreath, on top of which an eagle. *Obv.* D. N. *(Dominus Noster)* CONSTANTINVS IVN. NOB. CAES. *(Junior Nobilis Cæsar.)* Bust of Constantine II. to r., diademed.

VOTIS X. ET XX. *(Decennalibus et Vicennalibus)*, within a wreath of laurel—on gold (200 to 250 frcs.) and *billon* coins (10 frcs.) of Gallienus.

VOTIS X. ET XX. *(Decennalibus et Vicennalibus.)* Tacitus standing to l., holding a spear reversed, and crowned by Valour, helmeted, standing, leaning on a shield: facing him, Victory seated to r., on a cuirass, holding on her knees a shield on which VOTIS XX. *Obv.* IMP. C. M. CL. *(Imperator Cæsar Marcus Claudius)* TACITVS P. F. AVG. Bust of Tacitus to the waist to l., with *Ægis*, holding a spear. Æ. II. (100 frcs.)

VOTIS X. ET XX. FEL. *(Decennalibus et Vicennalibus Felicibus)*, within a wreath of laurel. *Obv.* VIRTVS PROBI AVG. Bust of Probus to l., radiated, holding a spear. Æ. III. (30 frcs.)

VOTIS X. MVLT. XV. *(Votis Decennalibus Multis Quindecennalibus)*, within a wreath of laurel, in the *exergue?*—on silver medallion of Valentinian I., from *D'Ennery* (60 frcs.) Same type with VOTIS MVLTIS XV. on silver medallion of Valens (40 frcs.)

VOTIS X. MVLTIS XX. *(Votis Decennalibus Multis Vicennalibus)*, within laurel wreath; in *exergue* various mint-marks—on silver coins of Valens from *Tanini* (10 frcs.) and silver medallions (60 frcs.) and silver coins (10 frcs.) of Gratian.

VOTIS X. PROBI ET XX. *(Votis Decennalibus Probi et Vicennalibus)*, within a laurel wreath—on small brass coins (30 frcs.) of Probus.

VOTIS X. SIC XX. *(Votis Decennalibus Sic Vicennalibus)*, within a laurel wreath. *Obv.* MAXIMIANVS N. C. *(Nobilis Cæsar.)* *Æ. Quin.* (200 frcs.)

VOTIS XV. MVLTIS XX. *(Votis Quindecennalibus Multis Vicennalibus)*, within a laurel wreath; in the *exergue* various mint-marks—on silver medallions of Valens (40 frcs.) and on silver medallions (80 frcs.), and silver coins of Gratian from *Beger* and *Mionnet* (15 frcs.).

VOTIS XX. *(Vicennalibus)*, within a wreath—on silver coins from *Welzl* (60 frcs.) and small brass from *Banduri* (3 frcs.) of Constantine I.

VOTIS XX. COS. VI. *(Vicennalibus. Consul Sextum)* within a laurel wreath. *Obv.* M. COMM. ANT. P. FEL. AVG. BRIT. P. P. Head of Commodus to r., laureated. Æ. (50 frcs.)

VOTIS XX. *(Vicennalibus)* MVLTIS XXX. *(Tricennalibus)*, within a laurel wreath; in the *exergue* various mint-marks—on silver coins of Constantine I. (60 frcs.), Constantine II. (60 frcs.), and Constantius II. (6 frcs.)

VOTIS XXV. *(Quinque-Vicennalibus)* MVLTIS XXX. *(Tricennalibus)*, within laurel wreath; in the *exergue*, mint-marks—on silver coins of Constantius II. (6 frcs.)

VOTIS XXX. *(Tricennalibus)* within a laurel wreath—on small brass coins (10 frcs.) of Maximian Hercules and gold medallions, with *exergual* letters TS Є *Thessalonicæ* 5, (400 frcs.) of Constantine I.

VOTIS XXX. *(Tricennalibus)* MVLTIS XXXX. *(Quadragennalibus)* within a laurel wreath; in the *exergue*, mint-marks—on silver coins of Constantius II. (3 to 6 frcs.) and Julian II. (15 frcs.)

Votivus Clypeus [see CL. V. *Clypeus Votivus*]. I have already pointed out [p. 831] that Cavedoni interprets the letters CL. V. as *Clypeus Virtutis.*

Votivi Ludi. [see p. 525.]

VOTO PVBLICO, around a laurel wreath, within which MVLTIS XX. IMP. *(Vicennalibus Imperatoris)*; or around a lighted altar, on which MVLTIS XX. IMP.; in the *exergue*, R. S. R. *Obv.* IMP. CARAVSIVS P. F. AVG. Bust of Carausius to r., laureated. Æ. (350 frcs.)

VOTVM PVBLIC *(um)* around a lighted altar, on which MULTIS XX. IMP.; in the *exergue* R. S. R. Same obverse as previous coin. Æ. (350 frcs.)

Vowels, double, occur on the coins of the Cornelia *gens*—FEELIX for FELIX [CORNELIA GENS; FEELIX]; and of the Numonia *gens*—VAALA for VALA [NVMONIA; VAALA].

VR. *Urbani*—AP. CL. T. MAL. Q. VR. *Appius Claudius, Titus Mallius, Quæstores Urbani*, or T. MAL. AP. CL. Q. VR.—on silver coins of the Claudia and Mallia *gentes* (Mommsen, *Mon. Rom.*, vol. ii., p. 387, Lenormant, *La Mon. dans l'Antiq.*, vol. iii., p. 150; Babelon, *Mon. de la Répub. Rom.*, vol. i., p. 346; vol. ii., p. 169. [See VRBINIA GENS.]

VR. *Urbis*—REGVLVS F. PRAEF. VR. *Regulus Filius Præfectus Urbis*—on silver coins of Regulus (son of Regulus the Prætor), *Præfectus Urbis* in B.C. 45. [*Licinia.*]

VRANI NICA. In *exergue* MVNIO. Athlete and Cupid. *Obv.* . . . Head of Trajan. Contorniate (c.)

VRANIVS ANTONINVS (Lucius Julius Aurelius Sulpicius) a usurper in the East under Alexander Severus (A.D. 223—235). According to Zosimus (i., 12) two usurpers took up arms in the East against Alexander Severus, one named *Antoninus*, the other *Uranius*; whilst Aurelius Victor states *(Epit.* xl.) that a certain *Taurinus*, having been proclaimed Augustus, was so horrified that he threw himself into the Euphrates. There is not much difficulty in identifying the *Uranius* of Zosimus with the *Taurinus* of Victor, and as the two names *Uranius* and *Antoninus* occur on the same coins it is evident that Zosimus has made two persons out of one usurper. Some Greek Imperial coins struck at Emesa, which have been attributed to a usurper at the time of Valerian, as well as a coin struck at Antioch, all bearing the legend AYTOK. COYAΠ. ANTIΩNINOC CЄB., most probably belong to the *Sulpicius Uranius Antoninus*, whose Latin coins are described below, and that these should be assigned to the time of Alexander Severus is proved by their style which is that of the Syrian fabric of the coins of Elagabalus. A good account is given of Uranius Antoninus by the late M. Ch. Lenormant *(Rev. Num.*, 1843, p. 255; cf. Madden, *Num. Chron.*, N.S., vol. v., p. 48). The coins of this usurper are of great rarity.

I. *Obv.* L. IVL. AVR. SVLP. VRA. ANTONINVS. Bust to r., laureated, with *paludamentum* and cuirass. *Rev.* CONSERVATOR AVG. (*Augusti.*) A conical sacred stone, enveloped in

a shawl, the ends of which are fastened in front with a brooch (?), on either side a parasol. *N.* (3000 frcs.)

Cohen *(Méd. Imp.*, 1st ed. and 2nd ed., vol. iv., p. 503), describes the brooch (?) as "un objet qui paraît être la représentation des parties sexuelles extérieures de la femme." The conical stone represents the God "Elagabal," or the Sun, to whom the Emperor Elagabalus was priest and high priest, as testified by his coins (INVICTVS SACERDOS AVG.; SANCT. DEO SOLI ELAGABAL; SACERD. DEI SOLIS ELAGABAL.; SVMMVS SACERDOS AVG.) [ELAGABALVS.]

2. *Obv.* L. IVL. AVR. SVL[P. A]NTONINVS. Same bust to l. *Rev.* CONSERVATOR AVG. *(Augusti). Quadriga* to l., on which the conical sacred stone of Elagabal, ornamented with an eagle; on either side a parasol. *N.* (3000 frcs.)

3. *Obv.* Same legend and type as No. 1. *Rev.* FECVNDITAS AVG. *(Augusti.)* Fecundity (with the attributes of Fortune) standing to l., holding a rudder and a cornucopiæ. *N.* (3000 frcs.)

Eckhel (vol. vii., p. 289) doubted this coin, but as M. Ch. Lenormant *(op. cit.)* has suggested, the value of Latin words could not have been understood in the town in which this piece was struck. (Cf. Madden, *Num. Chron.*, N.S., 1865, vol. v., p. 50.)

4. *Obv.* Same legend and type as No. 1. *Rev.* MINERVA VICTRIX. Minerva standing to l., holding spear and shield. *N.* (3000 frcs.)

The following Colonial coins of Uranius Antoninus were struck at Ælia Capitolina (De Saulcy, *Num. de la Terre Sainte*, p. 104; Madden, *Coins of the Jews*, p. 270).—

1. *Obv.* IMP. ANTONIN. Bust to r., laureated, with *paludamentum* and cuirass. *Rev.* COL. A. C. C. P. F. *(Colonia Ælia Capitolina Commodiana Pia Felix.) Quadriga* facing, on which is placed the conical stone of the god "Elagabal"; in the *exergue*, uncertain object. Æ. II.

2. *Obv.* . . . . P. M. AVG. (?) ANT. Head to r., laureated. *Rev.* COL. A. C. C. P. F. Jupiter in a *quadriga*. Æ. II.

The existence of coins of Uranius Antoninus struck at Ælia Capitolina, will probably explain the great rarity of those of Severus Alexander struck in this colony. The name *Commodiana* was given to the colony by Commodus. (Madden, *Coins of the Jews*, p. 262.)

VRB. *Urbanus.*—NERI Q. VRB. *Nerius Quæstor Urbanus*, on silver coins of the Claudia, Cornelia, and Neria *gentes*, struck in B.C. 49.

VRB. *Urbica.*—MON. VRB. *Moneta Urbica*, on the provincial tetradrachms, struck by Philip I. at Antiochia Syriæ.

VRB. *Urbis*—L. PLANC. PR. [or PRAEF.] VRB. *Lucius Plancus Præfectus Urbis*, on gold coins *(Aurei* and *quinarii)* of Julius Cæsar, struck in B.C. 46.—ANN. DCCCLXXIIII NAT. VRB. P. CIR. CON. *Anno* 874 *Natali Urbis primum* [or *populo*] *Circenses constituti*, on gold and large brass coins and brass medallions of Hadrian. This is the first and only coin giving a date from the foundation of Rome. The year 874 = A.D. 121. The explanation of the letter P. is difficult, and has been variously interpreted as *Plebeiis, Populi*, or *Primum*. The whole legend, however, is probably intended to record that Hadrian, in celebrating the eight hundred and seventy-fourth birthday of Rome by holding the *Palilia*, added for the *first time* (or gave *to the people* in addition) to their simple games the splendid exhibitions of the circus (cf. Athenæus, *Deipnosoph.* viii., 63). [See ANN. DCCCLXXIII NAT. VRB., etc.]—INT. VRB. *Introitus Urbis*, on large and second brass coins of Gallienus, with the obverse legend GENIVS P. R. *(Populi Romani.)* These coins are generally attributed to the reign of Gallienus, but it is not known on what occasion they were struck. It may be that they were issued in A.D. 263, after the siege of Byzantium (Mommsen, *Mon. Rom.*, vol. iv., p. 92.)—CONSER. VRB. SVAE. *Conservator Urbis suæ*, on silver coins of Maxentius from *Banduri*—CONSERV. VRB. SVAE, on silver and second brass coins of Maximian Hercules, and on second brass coins of Maxentius and Constantine I.—CONSERVATORES VRB. SVAE, on second brass coins of Maximian Hercules, Maxentius, and Constantine I.—CONSERVATORI VRB. SVAE, on a gold coin of Maxentius from *Taniui.*—S. M. VRB. AVGG. ET CAESS. NN. *Sacra Moneta Urbis Augustorum et Cæsarum Nostrorum*, on second brass coins of Maximian Hercules and Constantius Chlorus—SAC. MON. VRB. AVGG. ET CAESS. NN., on second brass coins of Diocletian, Maximian Hercules, Constantius Chlorus, Galerius Maximian, Severus II., Maximinus II. Daza, and Constantine I. (rare)—SACRA MON. VRB. AVGG. ET CAESS. NN., on second brass coins of Diocletian, Maximian Hercules, Constantius Chlorus, and Galerius Maximian.

VRB. *Urbs.*—VRB. VIC. OSCA. *Urbs Victrix Osca* on coins of Osca Hispaniæ. [VRB. VIC. OSCA.]

VRB. *Urbs.*—ROMA S. (?), in the *exergue*, VRB., *Urbs.* Rome, seated to l., before an altar, holding a *patera* and a spear. *Obv.* IMP. CAE. L. SEPT. SEV. PERT. AVG. COS. II. Head of Septimius Severus to r. Æ. Med. (60 frcs.)

VRBANAE.—PLEBEI [or PLENEI] VRBANAE FRVMENTO CONSTITVTO, on large brass coins of Nerva, struck in A.D. 97.

Urbani—*Quæstores Urbani.* [VR. *Urbani.*]

VRBEM RESTITVTAM S. C. Vitellius standing to l., followed by two soldiers, raising Rome from her knees. *Obv.* A. *(Aulus)* VITELLIVS GERMANICVS IMP. TRI. P. *(Imperator Tribunitiâ Potestate).* Bust of Vitellius to r. Between Æ. I. and Æ. II. (150 frcs.)

Urbes monetariæ inferioris ævi.—At the time when the earlier portion of this Dictionary was written the study of *mint-marks* was comparatively in its infancy, though the late M. Sabatier in his work entitled *Production de l'or, de l'argent, et du cuivre chez les anciens et hôtels monetaires Romaines et Byzantines*, 1850, had to a certain extent attempted an account of them. It was reserved for the late Count de Salis, who gave his magnificent collection of Roman and Byzantine coins to the British Museum, to

develop this interesting subject, which has also received much attention from the present writer. The following works may be consulted:—Madden, *Handbook to Rom. Num*, 1861, pp. 155—160; *Num. Chron.*, N.S., vol. i., 1861, pp. 112—127, 175—184; vol. ii., 1862, pp. 39—63, 240—258; de Salis, *Arch. Journal*, vol. xxiv., July, 1866, reprinted in *Num. Chron.*, N.S., 1867, pp. 321—328, 57—62. [See *Remarks on the explanation of the letters* OB, etc., under VALENTINIANVS I.]

Londinium (London) *Mint-marks*:—L., LN., LON. AVGOB., AVG. The mint of London was established by the usurper Carausius about A.D. 290—293, and was suppressed about the time of the dedication of Constantinople by Constantine I., in A.D. 330. It was revived under Magnus Maximus in A.D. 383, who issued gold coins with the mint-marks AVG. OB. (*Augustæ*, 72), and silver with AVG. P. S. (*Augustæ Pecunia Signata.*) Ammianus Marcellinus states (XXVII., 8; XXVIII., 3) that in his time (*circ.*, A.D. 380) *Londinium* (or as he writes it *Lundinium*) was called *Augusta* [see *Remarks on the letters* OB., etc., under VALENTINIANVS I.], and in the Chorography of Ravenna (ed. Pinder and Parthey, p. 429, Berlin, 1860), the name is given as *Londinium Augusta*. A *solidus* of Theodosius I. with the same reverse ((VICTORIA AVGG.) and type, as on the coins of Magnus Maximus, has also the *exergual* letters AVGOB. It was probably not struck at London, but belongs to the numerous series of barbarous imitations of the time.

Camulodunum or *Colonia?* (Colchester or Maldon?). *Mint-marks*: C., CL. This mint was established by Carausius A.D. 290—293, and disappears after the reign of Allectus, A.D. 296. Only brass coins exist with this mint-mark.

Treveri (Treves). *Mint-marks*:—TR., TROB., TR. (in *field*) COM. (in *exergue.*) Treves was established as a mint at the time of the monetary reform under Diocletian, A.D. 296—301.—TR. OB (*Treveris*, 72) occurs for the first time on the gold coins of Valentinianus I., and may also be found on the coins of Valens, Gratian, Magnus Maximus, Victor, Valentinianus II., and Theodosius I., as well as on those of Constantine III., usurper in Britain and Gaul A.D. 407—411.—TR. COM. was introduced under Valentinianus II. and Theodosius I. Gaul seems never to have recovered from the effects of the usurpation of Eugenius A.D. 392, and although Theodosius I. reconquered it, he did not live long enough to establish complete power there. Late in A.D. 406 the Vandals invaded Gaul, and commenced the destruction of Treves, and in A.D. 413 the Franks, who had sided with Jovinus, and of whom there are coins with TR. in the *field*, and COMOB. in the *exergue*, in order to avenge his murder by Dardanus, prefect of Honorius, again sacked the town and reduced it to ashes.

Lugdunum (Lyons). *Mint-marks*:—L., LG., LVG., LD. (in *field*) COM. or COMOB. (in *exergue*). Lyons was established as a mint by Gallienus between A.D. 253—268, of whom there are *billon* coins of the same fabric as those of Postumus. It was suppressed after the death of Eugenius by order of Theodosius I. in A.D. 394, but was restored for a short time by the usurpers Constantine III. in A.D. 407—411 (S. M. LD. *Signata Moneta Lugduni*, *R.*; LD. in *field*, COMOB. in *exergue*, *N.*), and Jovinus in A.D. 411—413 (S. M. LD., LVG., *R.*; LD. in *field*, COMOB. in *exergue*, *N.*)

Arelate or *Constantina* (Arles). *Mint-marks*: A., AR., ARL., CON., CONST., KA., KON., KONT., KONST., KONS*N*. *(Konstan.)*, KONOB. The mint of Arles was established by Constantine I. after A.D. 306, and coins with the mint-marks A., AR., or ARL., were not coined after the time of Constantius Gallus, A.D. 354.—The new name of *Constantina* was given to *Arelate* by Constantine I., when he improved the town and built a new one on the opposite side of the Rhone, after the overthrow of Maxentius and Maximinus Daza, A.D. 312—313. Ausonius (*Urbes Claræ*, No. 8) calls "Arelate" *duplex*, and says that there was a bridge of boats on the river. The mint-marks of *Constantina* CON. and CONST. are likely to be confounded with the mint-marks of *Constantinople* CON. and CONS. [*Constantinopolis*]; but CON. or CONST. *(Constantina)* is always *preceded* by a *Latin* differential letter, or accompanied by OF. *(Officina)* I., II., III. in the *field* of the reverse, whilst CON. or CONS. *(Constantinopolis)* is always *followed* by a *Greek* numeral.—KONSTAN. *(Constantina)* may be found on the gold coins of Constantius II., Julian the Apostate, Valentinian I., and Valens. On some large silver coins of Valentinian I. and Valens the mint-mark KA. occurs, the *exergual* letters being S. M. KAP. This P. cannot be a *Greek* P being too low in the alphabet to be used as a differential letter, and the mint-mark may be interpreted *Signata Moneta Konstantina Prima*. This is the only instance where the final letter is used in a mint-mark (if we may except SM. *Sirmium)*, the object in this case being to show its difference from Constantinople (C. *never* K.), and Cyzicus (K.) These coins cannot be attributed to *Carthage* for the three following reasons:—1. If we give these coins to Carthage we must suppose that that mint was restored for a very short time *only* under Valentinianus I. and Gratianus, as no other coins attributable to it are found from the time of Maxentius and Alexander Tyrannus down to the Vandal period. 2. We must suppose that *silver* only were struck there. 3. We must take no notice whatever of the fabric which is decidedly Gallic.—Constantina (Arles) was suppressed after the death of Eugenius in A.D. 394, but was restored for a short time by the usurpers Constantine III. in A.D. 407—411; (KONT. *Constantinæ*, *R.*, and KON. OB *Constantinæ* 72, *N.*), and Jovinus and Sebastianus A.D. 411—413; (KONT. *Constantinæ*, *R.*)

Constantina [*Arelate*].

Ambianum (Amiens). *Mint-marks*:—AMB. This mint was established by Magnentius, usurper in Gaul A.D. 350—353, and continued under Decentius, Constantius II., and Constantius Gallus. It was suppressed soon after the death

of Magnentius by Constantius II. Only brass coins were issued.

Tarraco (Tarragona). *Mint-mark*:—T. The mint of Tarraco was established by Aurelian A.D. 270—275. The first pieces struck there bear the marks P. XXT., S. XXT., T. XXT., Q. XXT., V. XXT., VI. XXT. *Prima XX Tarraconæ, Secunda XX Tarraconæ, Tertia XX Tarraconæ, Quarta XX Tarraconæ, Quinta XX Tarraconæ, Sexta XX Tarraconæ.* [XX.] The usual *exergual* letters are P. T., S. T., T. T., etc., *Prima, Secunda, Tertia*, etc., *Tarraconæ*. This new mint was the suggestion of the late Count de Salis, who removed from Treves to Tarraco, the coins whose fabric approaches most that of the mints of Italy. The letter T. also stands for *Thessalonicæ (q. v.)* Tarraco was suppressed at the same time as London, A.D. 330.

Karthago (Carthage). *Mint-marks*:—K. and KART. (as part of legend). Carthage was established as a mint at the time of the monetary reform under Diocletian [SALVIS AVGG. ET CAESS. AVCTA (or FEL.) KART., CONSERVATOR or CONSERVATORES KART. SVAE, FELIX CARTHAGO or KARTHAGO]. It was transferred to Ostia by Maxentius in consequence of the revolt of Alexander, A.D. 311 [ALEXANDER] and was suppressed or transferred to Arles by Constantine I. The mint of Carthage reappears in the Byzantine coinage (CAR., KAR., CART., KART., CARTA., CT., CPTS., KPTS., KARTAGO) from the time of Justinian I., A.D. 534, to that of Justinian II. Rhinotmetus, A.D. 685—695. Carthage was taken by the Vandal king Genseric in A.D. 439, but no coins were struck by him. Hilderic coined pieces A.D. 523—530 with the legend FELIX KARTC. Vandal large brass coins without the name of any king exist with the legend KARTHAGO, and of Justinian II. with KARTAGO. The Vandal kingdom was overthrown, and Carthage taken by Belisarius, general of Justinian I., in A.D. 534. The letter K. preceded by P. *(Prima)* i.e. *Prima Karthagini* belongs to Carthage, and when alone to Cyzicus. KA. on coins before the time of Diocletian is not a mint-mark, but signifies 21, the number of base *denarii* equal to the silver *denarius*. [XXI].

Roma (Rome). *Mint-marks*:—R, RM., ROM., RM. (in *field)* COM. or COMOB. (in *exergue)*, CORMOB. Letters in the *exergue* commence about the time of Aurelian, A.D. 270—275.—ROM. occurs on the coins of Julian III. the Apostate, and Jovian, A.D. 361—364.—RM. COM. or CONOB. was introduced under Honorius A.D. 395—423. —CORMOB is found on a coin of Anthemius, A.D. 467—472. RM. signifies *Roma*, the CO. being affixed and the OB. prefixed to resemble as nearly as possible COMOB., and at the same time to designate a mint. The mint-marks of Rome on the Byzantine coinage from the time of Anastasius I., A.D. 491, to that of Constantine IV. Pogonatus, A.D. 668, are ROMA., R., RO$\mathcal{M}$., ROM. [See *Remarks on the letters* OB. *etc. under* VALENTINIANVS I.]

Ostia (Ostia). *Mint-mark*:—OST. After the defeat of Alexander by Maxentius in A.D. 311, the mint of *Carthage* was transferred to *Ostia* by Maxentius; and after the defeat of Maxentius, A.D. 312, Constantine I., now sole Emperor of the West, transferred the mint of *Ostia* to *Rome*. The coins of Constantius Chlorus and Galerius Maximianus with M. OST. P., M. OST. S. or T. or Q. *(Moneta Ostiæ Prima* or *Secunda*, or *Tertia, or Quarta)* were struck after their deaths by Maxentius.

Aquileia (Aquileia). *Mint-marks*:—AQ., AQVIL., AQOB., AQ. (in *field)* COM. (in *exergue)*. The mint of Aquileia was established at the time of the monetary reform under Diocletian, and was probably transferred by Honorius, A.D. 395—423 to Ravenna. It was restored for a short time by Theodosius II. during the war with the usurper John A.D. 423—425. In A.D. 452 it was besieged by Attila, King of the Huns, and burnt to the ground.

Mediolanum (Milan). *Mint-marks*:—MD., MED., MDOB., MD. (in *field*) COM. (in *exergue)*. This mint was established after the defeat of Magnentius, A.D. 353, by Constantius II., and was suppressed under the Ostrogoths *circ.* A.D. 539.

Ravenna (Ravenna). *Mint-marks*:—RV., RV. (in *field)* COM. or COMOB. or COB., contraction of COMOB. (in *exergue)*, CORVOB. [See p. 836 and *Roma* on this page.] This mint was established by Honorius A.D 404, when he fixed his residence at Ravenna. After the fall of the Western Empire, Ravenna was the capital of the Gothic kings, but was captured by Belisarius, in A.D. 539. It then became the residence of the Exarchs, under the Byzantine Emperors. The mint-marks on the Byzantine coinage from the time of Justinian I., A.D. 539 to that of Leo the Isaurian, A.D. 741, are RA., RAV., RAVEN., RAVENNA. It was eventually subdued by force or treachery by Astolphus, king of the Lombards, about A.D. 752.

Siscia (Sissek). *Mint-marks*:—S., SIS., SISC. *Siscia* was established as a mint about the time of Probus, A.D. 276—282, and was probably suppressed or transferred to *Sirmium* at the death of Valentinian II., in A.D. 392. Small brass coins of Probus are extant with the legend SISCIA PROBI AVG. The legend SISCIA AVG. occurs a little earlier on the *billon* coins of Gallienus, which are supposed to have been struck on the defeat in Pannonia of Ingenuus, one of the thirty tyrants. SIS. is given by Cohen *(Méd. Imp.*, 1st ed., vol. vi., p. 219) as occurring in the *field* on a rare gold coin of Constantine II., formerly in the *Cabinet des Médailles, Paris.*

Serdica (Triaditza?). *Mint-marks*:—SD., SER., SERD. This mint was established by Aurelian, A.D. 270—275. It was transferred by Constantine I. to *Sirmium* after the first war against Licinius A.D. 314, and after the second war and defeat and death of Licinius, in A.D. 323, to *Constantinople* which was dedicated in A.D. 330.

Sirmium (Mitrovitz). *Mint-marks*:—SIRM., SM. (in *field)* COMOB. (in *exergue*). *Sirmium* was established by Constantine I. about A.D. 314, was suppressed after the death of Valentinianus

I., A.D. 375, and was restored for a short time by Theodosius I., A.D. 392—394.

Thessalonica (Saloniki). *Mint-marks:*—T., ΘES., TES., TS., THCOB., TESOB. Thessalonica was established as a mint at the time of the monetary reform under Diocletian, A.D. 296—301. The coins attributed to *Thessalonica*, with the mint-mark T, can be distinguished from those of *Tarraco* by their style and type, which resemble those of *Constantinople* and other Eastern coins. The *mint-marks* on the Byzantine coinage, which may be found from the time of Arcadius, A.D. 390, to that of Heraclius, A.D. 641, are TES., ΘES., TESOB., THCOB.

Constantinopolis (Constantinople). *Mint-marks:*—C., CP., CON., CONS., CONOB. *Constantinople* was founded by Constantine I., in A.D. 324, and dedicated in A.D. 330. The *mint-marks* on the Byzantine coinage from the time of Arcadius, A.D. 395, to that of Leo III. the Isaurian, A.D. 716—741, are CON., CONS., CONOB. —CON. or CONS. *(Constantinopolis)* is always *followed* by a *Greek* numeral, and so can be distinguished from CON. or CONST. *(Constantina)* which is always *preceded* by a *Latin* differential letter [*Arelate* or *Constantina*; *Remarks on the letters* OB., *etc.*, *under* VALENTINIANVS I.]

Heracleia—originally *Perinthus Thraciæ* (Eski Eregli). *Mint-marks:*—H. HERAC., HERACL. This mint was established before the monetary reform of Diocletian, A.D. 296—301, and was suppressed about the time of Leo I., A.D. 457—474.

Nicomedeia (Ismid). *Mint-marks:*—N., NIK. This mint was established before the monetary reform of Diocletian, A.D. 296—301. The letters ✱K. Y. XC. occur on the gold coins of Galerius Maximian, Valeria, Severus II., and Maximinus Daza, and the letters ✱K. on those of Constantius Chlorus, Galerius, Maximian, Severus II., Maximinus Daza, and Constantine I. All these coins were issued at Nicomedeia, as the *exergual* letters (S. M. N. *Signata Moneta Nicomedeiæ)* show, but a satisfactory explanation of the curious letters given above has not been discovered [VALERIA.] Since the article VALERIA was written, some suggestions have been made. Dr. J. Evans *(Num. Chron.* 3rd ser., 1886., vol. vi., pp. 281-284) considers that ✱K. refers to Nicomedeia, and that Y and XC. may denote numerals—as thought by Dr. Missong—L + V. = 55, or L — V. = 45. He adds: "Assuming that from some cause or other the local pound at Nicomedia was one-tenth lighter than the Roman pound, or as XC. to C., it will then be evident that if sixty *aurei* were struck from the Roman pound, only fifty-four of the same weight would be struck from the Nicomedian pound. If the number were fixed at fifty-five this might be typified by LV. or Y. Whether we take the Roman pound of 5050 Troy grains, and divide it by 60; or whether we take a pound of 4545 grains and divide it by 55, we come to nearly the same result—in one case 84⅙ grains, in the other 82⅔ grains. Of the two perhaps the latter comes nearer the usual weight of such coins. LV. would then represent the number of coins struck from the Nicomedian pound, and XC. the proportion this bore to the Roman pound. The theory here suggested requires much corroboration before it can be accepted as in any degree satisfactory. All that can be said in its favour is that the actual weight of the coins is about 10 per cent. less than $\frac{1}{60}$th of the Roman pound." M. Schmidt *(Zeits. für Num.*, Band. XV., part iv., 1888) suggests *Nicomedensi lege Valente* XC = $\frac{1}{60}$th of the Nicomedian gold pound, whilst Prof. Mommsen (p. 243, *note*) considers these letters as equivalent to Νικομηδεια *Lux C[ieitatum]*. The *mint-marks* on the Byzantine coinage from the time of Arcadius, A.D. 395, to that of Heraclius and his two sons, A.D. 638—640, are N., NI., NIC., NIK., NIKO., NICO., NIKM., NIKOM.

Cyzicus (Chizico). *Mint-marks:*—K., KY., CVZ., CVZIC., CYZ., CYZIC. This mint was established about the time of Claudius II., A.D. 268—270, and suppressed about the same time as *Heracleia*. The *mint-marks* on the Byzantine coinage from the time of Justin I., A.D. 518, to that of Heraclius and Heraclius Constantine, A.D. 641, are KV., KVZ., KYZ.

Antiocheia (Antakieh). *Mint-marks:*—A., AN., ANT. This mint was established previous to the time of Valerian I., A.D. 253—260. Letters and symbols of various kinds occur in the *field* of coins commencing under Diocletian, A.D. 284—313, struck at *Antioch* and *Alexandria* (Cohen, *Méd. Imp.*, 2nd ed., vol. vi., p. 414). It was suppressed about the time of Theodosius II., A.D. 408—450. The mint was continued under Anastasius I., Justin I., and Justinian I., A.D. 491—565. In A.D. 538 Antioch was destroyed by the Persians, and Justinian I. built a new city, giving it the name of *Theupolis*. The following *mint-marks* occur on Byzantine coins from the time of Justinian I. to that of Heraclius I. and his two sons, A.D. 638—640—THEV., THEVP., TH€VP., TH €VΠO., THE$\overline{4}$OP., ΘV., $\overline{\Theta V\Pi}$., ΘVΠO., CH., CH €$\overline{4}$N., etc.

Alexandreia (Alexandria). *Mint-marks:*—AL., ALE. The mint of *Alexandreia* became Imperial under Domitius Domitian (Achilleus), usurper in Egypt under Diocletian, A.D. 297 (Madden, *Handbook of Rom. Num.*, p. 134). It was suppressed about the time of Theodosius II., A.D. 408—450. The *mint-marks* on the Byzantine coinage from the time of Justin I., A.D. 518 to that of Constans II. and his son Constantine IV. Pogonatus, A.D. 659 is AAEξ.

Tarsus (Tersoos). The attribution of coins to this mint was suggested by the late Count de Salis, who considers that coins were struck there during the reign of Gallienus, A.D. 253—268, and that it was suppressed or transferred to *Heracleia* in the early part of the reign of Diocletian, being closed before the opening of *Treves*, which adopted its *mint-mark* TR. [*Treveri*].

Besides the above-mentioned mints others were established under the Byzantine Emperors—*Ephesus* (SEPS$\overline{4}$S), *Nicæa (?)* (N.C.), *Kherson* (X€P., X€PCONOS, X€PCΩNOC), *Cyprus*

(KVΠP.; KYΠP.), *Isaurus* (ISAVR.), *Auasis* or *Oasis* (ABAZI), *Sicilia* (SCL., SECILIA, SICILIA), *Catana* (CAT.), Naples (NЄ).

The letters P., S., T., or Q., are sometimes used *before* the mint-mark, as P. CON., S. CON., T. CON., Q. CON. *(Prima, Secunda, Tertia, Quarta Constantinæ)*, and sometimes *after* as R. P., R. S., R. T., etc. *(Romæ Prima, Secunda, Tertia,* etc.) When there is a differential letter either in *Greek* or *Latin* besides the P., as SISC. P. Z., P. K. T. the P. stands for *Pecunia* or *Percussa—Siscia Pecunia* or *Percussa* Γ; *Pecunia* or *Percussa Karthagini Tertia.* The letters P. S. signify *Pecunia Signata,* and are usually *after* the mint-marks, as TR. P. S. *(Treveris Pecunia Signata),* MD. P. S. *(Mediolani Pecunia Signata);* whereas the letters S. M., *Signata Moneta,* are usually *before,* as S. M. AQ. *(Signata Moneta Aquileiæ),* S. M. ANT. A. *(Signata Moneta Antiochiæ* 1), S. M. N. B. *(Signata Moneta Nicomediæ* 2), etc.

VRBICA (Magnia), a princess unknown to history, by some supposed to have lived at the time of Maxentius, by others to have been the wife of Carus. A unique coin, now in the British Museum, proves that she was one of the wives of Carinus, A.D. 282—285 (Madden, *Handbook of Rom. Num.*, 1861, p. 166, plate iii., No. 2.)—

Obv. IMP. CARINVS AVG. Bust of Carinus to l., helmeted, holding with r. hand a horse by the reins and a sceptre, and with l. hand a shield. *Rev.* MAGNIA VRBICA AVG. Bust of Magnia Urbica to r. Æ. *Quin.* (300 frcs.) Other coins in gold and brass—some with obverse legend MAGNIAE VRBICAE AVG. are in existence. *Gold coins:* CONCORDIA AVG. (500 frcs.), PVDICITIA AVG. (500 frcs.), VENERI VICTRICI (500 frcs.), VENVS GENETRIX *(Wiczay,* 500 frcs.) *Brass Medallions:*—PVDICITIA AVG. (800 frcs.) *Small brass:*—FIDES MILITVM *(Tanini,* 30 frcs.), IVNO REGINA, Juno standing with or without peacock (40 frcs.), SALVS PVBLICA (30 frcs.), VENVS CELEST. (20 frcs.), VENVS GENETRIX (30 to 50 frcs.), VENVS VICTRIX (10 frcs.)

VRBINIA GENS. Coins have been attributed by Cohen *(Méd. Cons.,* pp. 319, 320) to this *gens* with the legend Q. VR. *Quintus Urbinius?,* but it has been shown (Mommsen, *Mon. Rom.*, vol. ii., p. 387; Lenormant, *La Mon. dans l'Antiq.*, vol. iii., p. 150; Babelon, *Mon. de la Répub. Rom.*, vol. i., p. 346; vol. ii., p. 169) that these letters should be interpreted *Quæstores Urbani.* [See VR. *Urbani.*]

VRBIS. *Urbis.* CONSERVAT. VRBIS SVAE, on third brass coins of Maxentius, from *Tanini*—CONSERVATOR VRBIS SVAE, on gold and silver coins of Maxentius—CONSERVATORI VRBIS SVAE, on third brass coins of Constantine I., from *Tanini* after *d'Ennery*—LIBERATORI VRBIS SVAE, on second brass coins of Constantine I.—MONETA VRBIS VESTRAE, on brass medallions of Crispus and Constantine II.—RECVPERATOR VRBIS SVAE, on third brass coins of Constantine I., from *d'Ennery*—RENOVATIO VRBIS ROM., on second brass coins of Decentius, from *Tanini,* after *Pembroke*—RESTITVTOR VRBIS, on gold, silver, second and third brass coins of Septimius Severus; on gold, silver, first and second brass coins of Caracalla; and on silver and second brass coins of Geta—RESTITVTORI VRBIS, on gold and silver coins of Septimius Severus and silver coins of Geta—RESTITVTORES VRBIS, on silver coins of Septimius Severus—SACERDOS VRBIS, on third brass coins of Alexander Severus—SACRA MONETA VRBIS, on brass medallions of Crispus—VOTA ORBIS ET VRBIS SEN. ET P. R. *(Senatus et Populi Romani),* on silver medallions of Licinius I. and Constantine I.

VRBIS ROMA. Rome, helmeted, seated to l., holding a Victory, or a globe surmounted by Victory, and a reversed spear, on silver coins of Avitus *(Banduri* and *d'Ennery,* 250 frcs.), Severus III. (30 frcs.), and Eufemia (400 frcs.)

VRBS RESTITVTA. Rome standing to l., in military dress, holding Victory and spear. *Obv.* A. *(Aulus)* VITELLIVS GERMAN. IMP. AVG. P. M. TR. P. Bust of Vitellius to r., laureated. Æ. 1. This piece is in the French cabinet, but Cohen says *(Méd. Imp.,* 2nd ed., vol. i., p. 265, No. 109) that the reverse is remade in such a manner as to make it impossible to affirm what is the true type and true legend.

VRBS ROMA. Rome, helmeted, seated to l., holding a globe surmounted by a Victory, and a sceptre or spear; at her side a shield—on coins of Constans I. (Æ. Med. 80 frcs.), Constantius II. (Æ. I. 50 frcs.), Magnentius (Æ. II. 10 frcs.), Valentinian I. (with *exergual* letters—R. 6 frcs.), Valens (with *exergual* letters—R. 3 frcs.), Nepos (in *exergue* RV. P. S. *Ravennæ Pecunia Signata.*—R. 200 frcs.), and Basiliscus (in *exergue* PS. R. 40 frcs.)

VRBS ROMA. Rome, helmeted, seated to l., holding Victory and sceptre or spear; at her side a shield—on coins of Nepotian (with *exergual* letters—R. 120 to 160 frcs.), and Jovian (Æ. Med. from *Tanini* 100 frcs.)

VRBS ROMA. Rome, seated on a shield, holding Victory and spear. *Obv.* D. N. FIL. CL. *(Dominus Noster Flavius Claudius)* CONSTANTIVS NOB. CAES. *(Nobilis Cæsar).* Bust of Constantius Gallus, bare. Æ. Med. from *d'Ennery* (120 frcs.)

VRBS ROMA. Rome, helmeted, seated to l., on a cuirass, holding globe surmounted by Victory and a sceptre or reversed spear; various *exergual* letters—on coins of Gratian (R. 4 frcs.), Valentinian II. (R. 6 frcs.; N. from *Mionnet,* 40 frcs.; Æ. III. c.), Theodosius I. (R. 3 frcs.), Eugenius (R. 20 frcs.), Honorius (R. 4 frcs.), Johannes (R. from *Banduri* and *d'Ennery,* 200 frcs.), Valentinian III. (R. 40 frcs.), and Arcadius (R. 8 frcs.)

VRBS ROMA. Rome, helmeted, seated to l., holding a globe and a spear; at her side a shield; in the *exergue* R. T. *(Romæ tertia.) Obv.* D. N. GRATIANVS P. F. AVG. Bust of Gratian to r., diademed. Æ. I. (80 frcs.)

VRBS ROMA. Rome, helmeted, seated to l., holding a globe surmounted by ✠ and a reversed

spear; at her side a shield; in the *exergue* R. P. *(Romæ prima.)* *Obv.* D. N. IVL. NEPOTIANVS P. F. AVG. Bust of Nepotian to r., diademed. *Æ.* (2000 frcs.)

VRBS ROMA. Rome, helmeted, seated to r. on a seat, holding globe surmounted by Victory and a reversed spear; various *exergual* letters—on coins of Valentinian I. (*Æ.* I. 40 frcs.), Gratian (*R.* 4 frcs.), and Theodosius I. (*R.* 3 frcs.)

VRBS ROMA. Bust of Rome, helmeted, to l. or to r. *Rev.* No legend. Wolf to l., suckling Romulus and Remus; above two stars. *Æ.* I. (60 frcs.)

VRBS ROMA. Bust of Rome, helmeted, to r. *Rev.* No legend. Wolf to r., in a cave suckling Romulus and Remus; outside cave and on either side of it a shepherd holding a crook; above two stars. *Æ.* I. (100 frcs.)

VRBS ROMA. Bust of Rome, helmeted, to l., with an aigrette on the helmet. *Rev.* No legend. Wolf to l., suckling Romulus and Remus; above, two stars; sometimes between the stars a wreath, palm, or three points. *Æ.* III. (c. to 2 frcs.); *Æ. Quin.* (6 frcs.)

VRBS ROMA. Bust of Rome, helmeted, to l. *Rev.* No legend. Wolf suckling Romulus and Remus; above, the monogram ☧ between two stars with eight rays. In the *exergue* P. CONST. *(Prima Constantinæ* [Arles.]) *Æ.* III. (c.) Madden, *Christian Emblems on the Coins of Constantine I.*, etc., in *Num. Chron.*, N.S., 1877, vol. xvii., p. 270.

VRBS ROMA. Bust of Rome, helmeted, to r. *Rev.* SECVRITAS ROMAE. Constantine seated, facing, holding a sceptre, apparently carried by two females, one of whom holds a torch; on either side an infant carrying a rod or a torch. *Æ.* I. (150 frcs.)

VRBS ROMA. Bust of Rome, helmeted, to l. *Rev.* VIRTVS AVG. Constantine standing to r., holding a reversed spear and a globe; on the ground two captives seated. *Æ.* I. (150 frcs.)

VRBS ROMA. Bust of Rome, helmeted, to l., with an aigrette on the helmet. *Rev.* GLORIA EXERCITVS. Two soldiers helmeted, standing, each leaning on a spear and shield; between them, a standard; various *exergual* letters. *Æ.* III. (3 frcs.)

VRBS ROMA. Bust of Rome, helmeted, to r. *Rev.* VRBS ROMA. Bust of female (? Fausta) to r., diademed. *Æ. Quin.* (6 frcs.); or VOT. XX. MVLT. XXX., within a wreath. *Æ.* III. (6 frcs.)

VRBS ROMA. Bust of Rome, helmeted, to l., with an aigrette on the helmet. *Rev.* No legend. Victory standing to l., holding a palm? and leaning on a shield; in the *exergue* PLC.? *Æ.* (3 frcs.)

VRBS ROMA. Bust of Rome, helmeted, to r. *Rev.* ANNONA AVGVSTA CERES. Ceres and Abundance. Contorniate (rare).

[The coins with the bust of Rome, for the most part, belong to the reigns of Constantine II. and Constans I., though a few may be attributed to the time of Constantine I. The introduction of the Contorniates may be fixed to the reign of Constans I. (Cohen, *Méd. Imp.*, 2nd ed., vol. i., p. XXV.)

VRBS ROMA AETERNA. Jupiter seated in a Temple. *Obv.* HADRIANVS AVG. COS. III. P. P. Head of Hadrian to r., bare. Contorniate (very rare.)

VRBS ROMA BEATA. Rome, helmeted, seated to l., holding a globe surmounted by a Victory, and a sceptre or spear; at her side, a shield—on coins of Constans I. (*Æ.* Med. 80 frcs.), and Constantius II. (*Æ.* I. from *Banduri*, 50 frcs.)

VRBS ROMA BEATA. Bust of Rome, helmeted, to l. *Rev.* No legend. Wolf suckling Romulus and Remus; no stars; in the *exergue* AQ.? *Æ.* III. (10 frcs.)

VRBS ROMA FELIX. The Emperor standing in military dress, holding a standard and a Victory; at his feet, a shield; or holding a spear, to which is fastened a trophy and a globe surmounted by a Victory—on small brass coins of Theodosius I. (15 frcs.), and Honorius (c.)

VRBS ROMA FELIX. Rome, holding globe surmounted by Victory, standing to l. *Obv.* D. N. ARCADIVS P. F. AVG. Bust of Arcadius, helmeted, holding shield and spear over r. shoulder. *Æ.* (3 frcs.)

VRBS ROMA HETERNA. Sacrifice before a Temple—on Contorniates of Trajan (c.) and of Hadrian. (Very rare.)

VRSE VINCAS. Athlete, standing to r. *Obv.* No legend. Bust of a horseman to r., holding a whip, and leading his horse by the bridle; behind, ∃ or a monogram composed of the letters TRAVCS backwards. Contorniate (c.)

VRSI. *Ursi.*—BONIFATI VINCAS VRSI. Ath-

lete, standing. *Obv.* . . . . Head of Trajan. Contorniate (c.)

VRSO. *Urso.*—C. MAR. CAP. Q. VRSO IIVIR. *(Caio Marcio Capitone, Quinto Urso Duumviris)* and M. PLAE. TRAN. Q. VRSO IIVIR. ITER. *(Marco Plætorio Tranquillo, Quinto Urso Duumviro Iterum)*—on brass coins of Augustus, struck at Calagurris in Hispania Tarraconensis. (Cohen, *Méd. Imp.*, 2nd ed., vol. i., p. 155, Nos. 675, 676.

Urso, a town in Hispania Bætica. It was the Οὖρσων of Strabo (Lib. III.), the Ὄρσωνα of Appian (*Bell. Hisp.*, 16), and the Urso of Pliny (Lib. III.) and was a Roman colony with the name of Genua Urbanorum. Its modern name is *Osuna*. The following coins are attributed to it:—

1. *Obv.* VRSONE. Head of Augustus (?) to r., laureated. *Rev.* L. AP. DEC. Q. *(Lucius Appuleius Decimus Quæstor).* Winged sphinx, helmeted, walking, to r. Æ. I. (30 frcs.); Æ. II. (25 frcs.)

2. *Obv.* No legend. Head of Augustus (?) to r., laureated. *Rev.* VRSONE. L. AP. DEC. Q. Same Sphinx. Æ. I. and II. (100 frcs.)

3. *Obv.* Same as No. 2. *Rev.* VRSONE. Same Sphinx. Æ. II. (100 frcs.)

4. *Obv.* Q. REDECAL. Head of Augustus (?) to r., bare. *Rev.* VRSONE. Sphinx, walking to l.; in the field, two stars. Æ. II.

5. *Obv.* VRSONE. Head of Augustus (?) to r., bare. *Rev.* No legend. Bear, standing holding a wreath and a palm (?). Æ. II. (100 frcs.)

These coins are assigned by Aloïs Heiss (*Mon. Ant. d'Espagne)* to the time of Augustus, which is not quite certain. No. 4 is most probably not genuine (Cf. Florez, *Medallas de España*, 1757; Akerman, *Coins of Cities and Princes*, pp. 60 and 23 [where there is a coin given of Urso in alliance with Astapa]; Lenormant, *La Mon. dans l'Antiq.*, vol. ii., p. 277; Cohen, *Méd. Imp.*, 2nd ed., vol. i., p. 151; Boutkowski, *Dict. Num.*, p. 820.)

VRSONE. [See *Urso.*]

VSSESSON. A word occurring on the gold coins of Leo IV. (A.D., 775-780) representing his grandfather Leo III. (Πάππος), his father Constantine V. Copronymus (Πατήρ), himself, and his son Constantine VI. (ὁ νέος), and of which no quite satisfactory explanation has been given. (Cavedoni, *Congetture intorno alla voce* VSSESSON, etc., in the *Bull. Arch. Nap.*, N.S., 1857, No. 121, p. 180; cf. *Opusc. Relig. lett.*, Modena, vol. ii., pp. 355-372, 1857; Sabatier, *Mon. Byz.*, vol. ii., p. 64, pl. xli., Nos. 2, 3; Friedlaender in the *Zeitschrift für Numismatik*, Berlin, vol. iv., 1876—1877; Madden, *Christian Emblems on the Coins of Constantine I.*, etc., in the *Num. Chron.*, N.S., 1878, vol. xviii., p. 203.)

VSTOR (in monogram) in the *exergue* of a Contorniate of Placidius Valentinian (Sabatier, *Mon. Contorn.*, pl. iv., No. 6; Cohen, *Méd. Imp.*, 1st ed., vol. vi., 585.)

VTI., VTIC. or VTICEN. *Uticensis.* [*Utica.*]

Utica, the most ancient of the Phœnician colonies in Africa, was founded by the Tyrians before Carthage, in B.C. 1100, on the north coast of Zeugitana. [*Zeugitana.*] After the destruction of Carthage it became "the residence of the Roman governor, the principal emporium for the Roman commerce, and the port of debarkation for the Roman armaments destined to act in the interior of Africa." (T. H. Dyer, art., VTICA, Smith's *Dict. of Geography.)* It was at Utica that the younger Cato killed himself. It was presented by Augustus with the Roman *civitas* and became a Roman colony under Hadrian. It probably fell into the hands of the Vandals under Genseric, A.D. 439, and was eventually destroyed by the Arabs during the reign of Abdalmalik, A.D. 685—705. (Gibbon, *Decline and Fall*, vol. vi., p. 350. *seq.* ed., Smith.) The following coins are attributed to it (Müller, *Num. de l'Anc. Afrique*, vol. ii., pp. 159—162; cf. Lenormant, *La Mon. dans l'Antiq.*, vol. iii., pp. 221, 236; Cohen, *Méd. Imp.*, 2nd ed., vol. i., pp. 174, 209):—

1. *Obv.* No legend. Bust of Livia to r., veiled; behind, a sceptre. *Rev.* M. M. IVL. VTI. D. D. *(Municipes Municipii Julii Uticensis Decurionum Decreto)*, around, the letters P. P. *(Permissu Proconsulis.)* Æ. III. (20 frcs.)

2. *Obv.* TI. CAESAR AVG. F. AVG. Head of Tiberius to l., bare. *Rev.* M. M. IVL. VTIC. P. P. D. D. Livia, veiled, seated to l., holding a *patera* and a sceptre. Æ. II. (10 frcs.)

3. *Obv.* TI. CAE. DIVI AVG. F. AVG. [or F. A.] IMP. VII. Head of Tiberius to l. or to r., bare. *Rev.* M. M. [or M. MVN.] IVL. VTIC. [or VTICEN.] D. D. P. P. [or P. P. D. D.] Same type as No. 2. Æ. II. (6 frcs.)

4. *Obv.* TI. . . . IMP. VII. Head of Tiberius to l. or to r., bare. *Rev.* M. V. D. D. P. P. *(Municipium Uticense Decurionum Decreto Permissu Proconsulis)*, within a laurel wreath. Æ. III. (6 frcs.)

5. *Obv.* TI. CAESAR AVG. Head of Tiberius to l., bare. *Rev.* C. APRON. IIVIR *(Caius Apronius Duumvir.)* D. D. [P. P.] in the *field*. Æ. III. (6 frcs.)

The following pieces were struck by the *duumvirs* during three successive years of the proconsulate of Caius Vibius Marsus, A.D. 27—30:—

1st year, A.D. 27—28.

1. *Obv.* TI. CAESAR DIVI AVG. [or AVGVST. or AVGVSTVS] IMP. VIII. Head of Tiberius to l., bare. *Rev.* C. V. [or VIB.] MARSO PROCOS. [or PRCOS.] NER. CAES. [or NE. CAE.] Q. PR. A. M. GEMELLVS [on some F. C.] *(Caio Vibio Marso Proconsule Nerone Cæsare Quinquennali Præfectus Aulus M . . . Gemellus [Faciendum Curavit.])* Livia veiled, seated to r., holding *patera* and a long sceptre; in the *field*, D. D. P. P. Æ. II. (2 to 4 frcs.)

2. *Obv.* Same as No. 1. *Rev.* C. VIB. [or VIBIO] MARSO PRCOS. DR. [or DRV.] CAE. Q. PR. [on some A.] T. G. RVFVS F. C. *(Caio Vibio Marso Proconsule Druso Cæsare Quinquennali Præfectus [Augustalis?] Titus G . . . . Rufus Faciendum Curavit.)* Same type as No. 1. Æ. II. (5 frcs.)

3. *Obv.* Same as No. 1. *Rev.* C. VIBIO MARSO PRCOS. C. CASSIVS FELIX A. IIVIR. *(Caio Vibio Marso Proconsule Caius Cassius Felix Augustalis duumvir.)* Same type as No. 1. Æ. II. (2 to 4 frcs.)

2nd year, A.D. 28—29.

4. *Obv.* Same as No. 1. *Rev.* C. VIBIO MARSO PROCOS. [or PRCOS.] II. L. CAECILIVS PIVS IIV. [or IIVR.] [on some F. C.] *(Caio Vibio Marso Proconsule Anno Secundo. Lucius Cæcilius Pius duumvir [Faciendam curavit.])* Livia, seated to r., holding a *patera* and a long sceptre; in the *field*, M. M. I. V. *(Municipes Municipii Julii Uticensis.)* Æ. II. (4 frcs.)

5. *Obv.* Same as No. 1. *Rev.* C. VIBIO MARSO PRCOS. II. Q. CAECILIVS IOVIN. IIV. F. C. *(Caio Vibio Marso Proconsule Anno Secundo. Quintus Cæcilius Jovinus duumvir Faciendum curavit.)* Same type as No. 4. Æ. (2 frcs.)

6. *Obv.* Same as No. 1. *Rev.* C. VIBIO MARSO PRCOS. II. SEX. TADIVS FAVSTVS IIV. *(Caio Vibio Marso Proconsule Anno Secundo. Sextus Tadius Faustus duumvir.)* Same type as No. 4. Æ. II. (4 frcs.)

3rd year, A.D. 29—30.

7. *Obv.* Same as No. 1. *Rev.* C. VIBIO MARSO PRCOS. III. C. CAELIVS. PAX AVG. [or A. or AV.] IIVIR. *(Caio Vibio Marso Proconsule anno tertio. Caius Cælius Pax Augustalis duumvir.)* Livia, veiled, seated to l., holding *patera* and a long sceptre. In the *field*, D. D. P. P. *(Decurionum Decreto Permissu Proconsulis.)* Æ. II. (4 frcs.)

8. *Obv.* Same as No. 1. *Rev.* C. VIBIO MARSO PRCOS. III. C. CASSIVS FELIX A. IIVIR. *(Caio Vibio Marso Proconsule anno tertio. Caius Cassius Felix Augustalis duumvir.)* Same type as No. 7. Æ. II. (4 frcs.)

9. *Obv.* Same as No. 1. *Rev.* C. VIBIO MARSO PRCOS. III. C. SALLVSTIVS IVSTVS II. [or IIV.] *(Caio Vibio Marso Proconsule anno tertio. Caius Sallustius Justus duumvir.)* Livia, seated to l., holding a *patera* and a long sceptre; in the *field*, M. M. I. V. *(Municipes Municipii Julii Uticensis.)* Æ. II. (4 frcs.)

10. *Obv.* Same as No. 1. *Rev.* C. VIBIO MARSO PRCOS. III. M. TVLLIVS IVDEX IIVIR. *(Caio Vibio Marso Proconsule anno tertio. Marcus Tullius Judex duumvir.)* Same type as No. 9. Æ. II. (4 frcs.)

The following silver coins were struck in Utica by M. Porcius Cato (Cato of Utica, whose death is above referred to), B.C. 49—46, where he took the title of Proprætor, and renewed the types already adopted by his father M. Porcius Cato, when he was moneyer in B.C. 101:—

Obv. M. CATO. PRO. PR. [on some ROMA.] *(Marcus Cato Proprætor. Roma.)* Head or bust of Liberty to r. *Rev.* VICTRIX. Winged Victory, seated to r., holding a *patera* [or a wreath] and a palm. *AR.* (2 frcs.); *AR. Quin.* (3 frcs.)

The type of Victory recalls the Temple consecrated to *Victoria Virgo* by Cato the Censor after his successes in Spain. (Livy, Lib. XXXV., cap. 9.)

VTILITAS PVBLICA. Female figure standing to l.; in the *exergue* T.—on coins of Diocletian (Æ. III. *Quin.* 20 frcs.), Maximian Hercules (in the *exergue* R. Æ. III. *Quin.* 20 frcs.), and Constantius Chlorus (no letters in the exergue, Æ. 20 frcs.)

VTILITAS PVBLICA. Female figure standing to l., her hands wrapped in her robe—on coins of Galerius Maximian (Æ. III. *Quin.* from *Taniui*, 15 frcs.), Severus II. (Æ. III. *Quin.* (30 frcs.), and Maximinus II. Daza (Æ. III. 25 frcs.)

VTILITAS PVBLICA. Female figure, standing on a vessel, holding a balance and a cornucopiæ; to r., a helmeted soldier giving her his hand, and holding a globe surmounted by a Victory; at the side, a shield. *Obv.* IMP. CONSTANTINVS P. F. AVG. Bust of Constantine I. to l., laureated, with the Imperial mantle, holding a sceptre surmounted by an eagle. Æ. III. from *Bandari*. (30 frcs.)

Vulcanus, one of the twelve great celestial deities, the god of fire *(Ignipotens*, Virg. *Æn.* I., 243) and of smiths, son of Jupiter and Juno, and husband of Venus. He is the same as the Greek *Hephæstus*. A Temple is said to have been erected at Rome to him in the earliest times, and the principal festival to his honour—called *Vulcanalia*—was celebrated at Rome on the 23rd of August. The head of Vulcan may be found on several coins of the Republic (Babelon, *Mon. de la Répub. Rom.*)—on those of L. Aurelius Cotta, B.C. 90 *(Aurelia gens)*, Marcus Metellus, B.C. 122 *(Cæcilia gens)*, C. Cassius Longinus, B.C. 109 *(Cassia gens)*, and on a rare small brass coin attributed to the *gens Statia*; also as a symbol on coins of L. Cæsiä, B.C. 104 *(Cæsia gens)*. His cap is figured on the coins of Paullus Æmilius Lepidus, B.C. 54 *(Æmilia gens)*, and together with various coining implements on the coins of Titus Carisius, B.C. 48 *(Carisia gens)*; also as a symbol on early *denarii*, *Victoriati* and *semisses*. He is designated *Ultor*—avenger, as also is Mars *(q. v.)*—on coins attributed to the period between the reigns of Nero and Vespasian [VOLCANVS VLTOR; see also VOLCANO and VOLCANOM.] Vulcan is frequently represented on the brass medallions of Antoninus Pius (1) forging a helmet, or, on other examples, the thunderbolt of Jupiter, by order of Minerva, who stands by; (2) the forge itself, showing statue of Minerva carrying Victory shield, helmet, etc., objects already finished by Vulcan, whilst he, holding a hammer, is forging a greave on the anvil (Cohen, *Méd. Imp.*, 2nd ed., vol. ii., Antoninus Pius, Nos. 1144, 1155, 1156; Frochner, *Médaillons de l'Emp. Romain*, pp. 51, 63, 65.)

VVV. *Three v's* in the legend, DDD. NNN. AAAVVVGGG. *Domini Nostri Augusti*—on *exagia solidi* [EXAGIVM SOLIDI] of the *three* Emperors, Honorius, Arcadius, and Theodosius II. (Cohen, *Méd. Imp.*, 1st ed., vol. vi., pp. 484, 485; Sabatier, *Mon. Byz.*, vol. i., pp. 96, 97.)

VX. for XV., on small brass coins of Augustus, struck at Emerita Hispaniæ—C. [or CO.] A. E. LE. VX. *Colonia Augusta Emerita. Legio decima quinta* (Cohen, *Méd. Imp.*, 2nd. ed., vol. i., p. 149, Nos. 594, 595.)

Uxores Cæsarum [see *Augustæ.*]

VXXT., VIXXT. *Quinta XX. Tarracone, Sexta XX. Tarracone;* VXXI., VIXXI. *Quinta XXI., Sexta XXI.*—on small brass coins of Aurelian and Probus.

W.

Wamba, Witteric, Wittiza—Visigothic kings [see *Visigoths.*]

Witiges, Ostrogothic king [see VITIGES.]

X.

X, the twenty-first letter of the Greek alphabet, probably derived from the Greek Ξ, which came from the Phœnician letter *samekh* (Isaac Taylor, *The Alphabet*, vol. ii., pp. 92, 139).

X., as a mark of value—10 *asses*—on the *denarii* of the Republic and on the *decussis* (Babelon, *Mon. de la Repub. Rom.*, vol. i., pp. 38, 67, 68. 71, and 42, 43.)

X., as a figure on coins of the Republic, included in figures from I. to CC., on the same *denarius;* exceptionally these figures are raised to CCIↃↃ (= 10,000) on the *denarii* of L. Calpurnius Piso, who coined by virtue of the law Plantia-Papiria (Babelon, *Mon. de la Répub. Rom.*, vol. i., p. li.)

X., XI., XII., XIII., etc., on *tesseræ* or tickets of admission to the theatre or other places of amusement. Cohen, *(Méd. Imp.*, 1st ed., vol. vi., p. 534) divides the *tesseræ* as follows:—1, Imperial; 2, Mythological; 3, Games; 4, Erotic; 5, Commemorative; and 6, Mystical. [*Tessera.*]

X. A Christian emblem on the pedestal, on coins of Constantine I. and Licinius I., with the legend VICTORIAE LAETAE PRINC. PERP., struck at Siscia, ? A.D. 312—317—on the *labarum* on coins of Constantine I. and II. and Delmatius, with the legend GLORIA EXERCITVS, struck at Constantina (Arles) A.D. 335—337 (Madden, *Christian Emblems on the Coins of Constantine I.*, etc., in the *Num. Chron.* N.S., 1877, vol. xvii., pp. 11, 242; 1878, vol. xviii., pp. 1, 169.)

X., within a garland; in the *exergue* TR. *(Treveris.) Obv.* Helmeted bust of Rome or of Constantinople to r. *Æ. Quin.* (40 frcs.) Cohen, *(Méd. Imp.*, 1st ed., vol. vii., *Suppl.*, p. 383) considers that this piece could not have been struck earlier than the reign of Valentinian II.

X. *Decemvir.* C. CALDVS IMP. [or AV.] X. *Caius Caldus Imperator, Augur Decemvir [sacris faciendis]* on *denarii* of C. Coelius Caldus, moneyer, in B.C. 54. [See VIIviri *Epulonum* and XVviri *sacris faciundis.*]

X. *Decennalia.* [VOT. SOLVTA X.; X. MAXIMINI AVG.]

X. *Decennalibus.* VOT. X. ET XV. or XX., VOT. X. MVLT. XX., VOT. X. SIC. XX., VOTIS X. ET XX., SIC. X. SIC. XX., etc.

X. *Decima.* LEG. X. *Legio Decima*—TR. P. X. *Tribunitiâ Potestate Decima.*

X. *Decimo.* AN. X. *Anno Decimo.*

X. *Decimum.* COS. X. *Consul Decimum.*—IMP. X. *Imperator Decimum.* [And similarly with the compounds of X.—XI., XII., XIII. up to XIX. or XVIIII.]

X. MAXIMINI AVG. S. M. A. *(Decennalia Maximini Augusti. Signata Moneta Antiochiæ)* in five lines, within a laurel wreath. *Obv.* MAXIMINVS P. F. AVG. Head of Maximinus II. Daza to r., laureated. *Æ.* (200 frcs.)

XA., XE., XI., etc., on coins of L. Julius Bursio, B.C. 84 [see p. 830.]

XC.—XPICTOC. On coins of the Byzantine Emperors from A.D. 969 to A.D. 1391 (Madden, *Christian Emblems on the Coins of Constantine I.*, etc., *Num. Chron.*, N.S., 1878, vol. xviii., pp. 179—188.)

XЄ. ÞOHΘЄI ROMANO ÐЄSPOƬH. Romanus I., standing facing, with diadem surmounted by a cross, holding in r. hand a globe *cruciger;* to r., Christ with head leaning against cross, standing, placing r. hand on the head of the Emperor. *Obv.* COꟻSƬANƬ. ЄƬ XPISTOF. Þ. R. Busts of Constantine X. and Christophorus facing, with diadem, surmounted by cross, holding together and between them a long cross. *Æ.* (300 frcs.) The obverse legend is probably Κωνσταντῖνος ет (for Καὶ) Χριστοφόρος βασιλεῖς Ῥωμαίων, the reverse Χριστὲ βοήθει Ῥωμανῷ δεσπότῃ. The formula χριστЄ ÞOHΘЄI, instead of the usual ΚύριЄ ÞOHΘ ЄI, is of rare occurrence, and may be corroborated by a Byzantine lead seal, published by Herr Miller *(Rev. Num.*, 1861, p. 23), on the obverse of which is the inscription ΧριƬτὲ Βοήθει ΤΙΩ. CIΩ. ΔΦΛΙΩ., and on the reverse + ANΔ—P ЄAM—AΔΔA—TOPI, and which from the fact that Andreas bears the title of Μανδάτωρ (one who gives or carries [orders]), an office in vogue under Constantine X. Porphyrogenitus, A.D. 912—959, has been attributed by Herr Miller to the reign of this Emperor. M. le Bas has published *(Voyage Archéol.*, No. 8913) a marble found in the island of Delos with the inscription XЄÞOHΘЄI (χριστЄ ÞOHΘЄI), which Herr Miller thinks is of the same age as the seal of Andreas (Madden, *Num. Chron.*, N.S., 1878, vol. xviii., p. 205.)

XE. A figure in *toga*, standing to l., reading a book. *Obv.* D. N. *(Dominus Noster)* ARCADIVS P. F. AVG. Bust of Arcadius to r., with diadem. Æ. (10 frcs.) Published by Sabatier *(Mon. Byz.*, vol. i., p. 107) who states that the piece was found at *Kherson.*

XII. As a mark of value on copper coins of the Vandals, without name of king (Sabatier, *Mon. Byz.*, vol. i., p. 221; Keary, *Num. Chron.*, N.S., vol. xviii., 1878, pp. 142, 143.)

XIIX. CONOB., in the *exergue* of a gold *tremissis* of Valentinian III., published and engraved by *Wiczay.* This coin, according to Cohen *(Méd. Imp.*, 1st ed., vol. vi., p. 508, *note)*, furnishes a new argument against the interpretation of the letters OB. by 72, but, as the present

writer has already pointed out *(Num. Chron.*, N.S., 1862, vol. ii., p. 246, *note)* the coin is, in the first place, only described from *Wiczay*, and, in the second, is as late as the reign of Valentinian III. (A.D. 425—455), at which period no value can be placed upon the legends on coins. [*See* p. 835.]

X—N. *Xristus Nica*, on copper coins of Constantine V. and Leo. IV., Leo IV. and Constantine VI., Constantine VI. and Irene. Sometimes the letters are triplicated as on coins of

X—N.

Irene X—N. (Sabatier, *Mon. Byz.*, and Madden, *Christian Emblems on Coins of Constantine I.*, etc., in *Num. Chron.*, N.S., 1878, vol. xviii., p. 175.)

XS. for X. On coins of the Republic—as AXSIVS for AXIVS *(Axia gens)*, ALEXSANDREA for ALEXANDREA *(Æmilia gens)*, PAXS for PAX *(Æmilia and Julia gentes)*, MAXSVMVS for MAXVMVS *(Egnatia gens.)*

XV. *Quindecennalibus.* VOT. X. ET XV. F., VOT. X. MVLT. XV., VOT. XV. FEL. [or MVLT.] XX., VOT. XV. MVLT. XXXX., etc.

XV.—P. XV. in the *exergue* of certain *billon* coins of Gallienus (Cohen, *Méd. Imp.*, 2nd ed., vol. v., Nos. 44, 219, 362, 376, 599, 927, 989) interpreted by Cohen, *Tribunitiâ Potestate XV.* But this is very doubtful. M. Feuardent, the editor of the second edition of Cohen's work, has some remarks (vol. v., p. 352, *note)* on these pieces as well as on those with the *exergual* letters VIIC. (Nos. 277, 415, 425, 598, 634, 788, 848, 989, 1250.) He says, "All these coins are of the same fabric and same locality; they were struck at Antioch, where, probably at this time, was in operation, as in all the mints of Asia, that monetary revolution, which swept away from everyone their ancient customs of striking coins 'a leurs types avec des inscriptions grecques. L'atelier d'Antioche employait ce moyen très simple de dater ses nouvelles monnaies.'" Coins of Gallienus with the XVth Tribunitian power and the letters VIIC. (No. 848), and with P. XV. and VIIC. on varieties of the same type (No. 989) show that all these pieces are contemporary, and that they were issued in A.D. 267.

XV. *Quindecim.*—M. LEPIDVS AN. XV. PR. II. O. C. S. *Marcus Lepidus Annis quindecim Progressus* [now *Prætextatus*, cf. Val. Max. III., i. 1.] *Hostem Occidit Civem Servavit*—on *denarii* of M. Æmilius Lepidus, monetary magistrate about B.C. 60, and afterwards (B.C. 43—36) *Imperator* and *Triumvir Reipublicæ Constituendæ.* [AEMILIA *gens.*]

XV. S. F. or XVVIR. SAC. FAC. *Quindecimviri Sacris Faciundis.* [XV*viri Sacris Faciundis.*]

XV*viri sacris faciundis.* This body had especial charge of the Sibylline books, and in public danger or calamity were ordered by the Senate to inspect them. Under Tarquinius Superbus the number of these priests were two *(Duumviri)*, men of illustrious birth. In B.C. 367, ten men *(Decemviri)*—five patrician and five plebeian—were appointed [see p. 878 and X. *Decemvir*]; and later—possibly in the time of Sulla—their number was further increased to fifteen *(Quindecimviri.)* Julius Cæsar added one more, but fifteen was afterwards the usual number. The *Quindecimviri* were priests of Apollo, and each of them had in his house a brazen tripod *(cortina* or *tripus)* sacred to this god.

The title is found on the following coins:—

1. *Obv.* CAESAR AVGVSTVS TR. POT. Head of Augustus to r., laureated. *Rev.* L. MESCINIVS RVFVS IIIVIR *(triumvir.) Cippus*, on which is engraved IMP. CAES. AVG. LVD. SAEC. *(Imperator Cæsar Augustus ludos seculares* [fecit]). In the *field*, XV. S. F. *(Quindecimviri sacris faciundis.)* Æ. (80 frcs.)

L. Mescinius Rufus was *triumvir* in B.C. 16. (Babelon, *Mon de la Répub. Rom.*, vol. ii., pp. 86, 221; Cohen, *Méd. Imp.*, 2nd ed., vol. i., p. 128. [See p. 526 of this Dictionary.]

2. *Obv.* A. VITELLIVS GERM. IMP. AVG. TR. P. [or IMP. GERMAN. TR. P. or GERMANICVS IMP. or IMP. GERMAN.] Head of Vitellius to r., laureated. *Rev.* XVVIR SAC. FAC. *(Quindecimviri sacris faciundis.)*

Tripod; above, a dolphin; within the tripod, a crow [CORVVS.] *N.* (120 frs.); *Æ.* (3 frcs.)

Eckhel (vol. vi., p. 316) has the following remarks on these coins:—"According to Suetonius *(in Vitell.* 5) Vitellius 'by the favour of three princes was not only advanced to the great offices of state, but to the highest dignities of the sacred order'; and Tacitus *(Hist.* iii., 86) says 'he rose to the Consulship, to pontifical dignities . . . . . without any personal merit, but obtained all from the splendid reputation of his father.' . . . The whole of this type refers to Apollo. Servius *(ad Æn.*, lib. iii., 332) excellently explains the *dolphin*—'*Hinc ergo et delphinum aiunt inter sacrata Apollinis receptum, cujus rei vestigium est, quod hodieque XVirorum cortinis delphinus in summo honore ponitur, et pridie cum sacrificium faciunt, velut symbolum delphinus circumfertur, ob hoc scilicet, quia XVviri librorum Sibyllinorum sunt antistites, Sibylla autem Apollinis vates, et delphinus Apollini sacer est.*' I will also quote a passage from Martianus Capella (lib. ix., *De Music.)* in which he introduces Apollo speaking thus—'*Œnistice* [divination by augury] *tertia est, per quam tripus illa ventura denunciat, atque omnis eminuit nostra cortina; denique in argumentum præscientiæ corvus mihi adludit*, etc.' That the crow was sacred to Apollo is well known. It appears also on *quinarii* of M. Antony and Lepidus, the triumvirs, near an augural *lituus*, and a *guttus* (jug), and consequently agreeably to the type of our coin, the crow is called by Statius *(Theb.*, lib. iii., ver. 506) *comes obscurus tripodum*, by Silius Italicus *(Punic.* v. 78) *Phœbea avis*, and by Ælian *(De Animal. Nat.*, lib. i., c. 48) Ἀπόλλωνος ἀκόλουθος, the attendant of Apollo. These coins were struck either before Vitellius entered upon the office of *Pontifex Maximus*, or immediately afterwards, and he probably caused

them to be struck to proclaim his elevation to the first office in the priesthood, just as Vespasian and Titus, though already *Pontifices Maximi*, declared themselves publicly as *augurs* on their coins."

The *tripod* which occurs on the coins of Cassius Longinus *Imperator* in B.C. 42 *(Cassia gens)* doubtless alludes to the dignity of *Quindecimvir sacris faciundis* conferred upon Cassius, whilst on those of L. Manlius Torquatus, monetary *triumvir* in B.C. 54 *(Manlia gens)*, and of M. Opeimius, moneyer in B.C. 134, there is a probable allusion to the same dignity having been conferred on one of their ancestors (Babelon, *Mon. de la Répub. Rom.*, vol. i., pp. 334, 335; vol. ii., pp. 180, 274, 275.) It has been suggested (Babelon, *op. cit.*, vol. i., p. 313) that the head of the Sibyl and the Sphinx on the *denarii* of Titus Carisius, moneyer about B.C. 48, refers to the fact of one of his ancestors having been one of the *quindecimviri* charged to guard the Sibylline books.

The *crow* may be found on coins, besides those previously mentioned, of Domitian *(Rev. S. C.—Æ. III.)* and on a brass medallion of Marcus Aurelius (TR. POT. III. COS. II.) struck in A.D. 149 (Grueber, *Rom. Medallions*, pl. xix., No. 1; Froehner, *Médaillons de l'Emp. Romain*, p. 82), wrongly attributed earlier in this Dictionary (p. 64) to Antoninus Pius.

XVI., as a mark of value—16 *asses*—but rarely on the *denarii* of the Republic; sometimes replaced by the sign ✳, monogram of XVI. (Babelon, *Mon. de la Répub. Rom.*, vol. i., pp. xxiii., 67, 68, 232; vol. ii., pp. 190 *note*, 495, 509, 510.)

XX., 20 sesterces—on the first gold coins struck for the Roman Republic at Capua in B.C. 217. Other marks of value found on these coins are 𐆖X. 60 *sesterces* and XXXX. 40 *sesterces* (Mommsen, *Mon. Rom.*, vol. ii., pp. 57, 113, 236; vol. iv., p. 30; Babelon, *Mon. de la Répub. Rom.*, vol. i., pp. XXVII., XXX, 24, 26.)

XX., as a mark of value on the copper coins of the Ostrogoths without name of king (Sabatier, *Mon. Byz.*, vol. i., p. 211; Keary, *Num. Chron.*, N.S., 1878, vol. xviii., pp. 163, 165.)

XX. *Vicennales (?)*—PRIMI XX. IOVI [*sic* IOVII] AVGVSTI—on a rare gold coin of Diocletian described in the *Ancien Catalogue du Cabinet des Médailles*, Paris (Cohen, *Méd. Imp.*, 2nd ed., vol. vi., p. 458, and *note.)* [See *Vota.*]

XX. *(Vicennalia ?)* DIOCLETIANI AVG. or MAXIMIANI AVG., within a laurel wreath, on gold coins of Diocletian and Maximian Hercules.

XX. *Vicennalibus*—VOT. XV. FEL. or MVLT. XX., VOT. XX. SIC. or MVLT. XXX., etc. [See X. *Decennalibus.*]

XX. *Vicesima, Vicesimo, Vicesimum*, and similarly with the compounds of XX. up to XXIX. or XXVIIII. [See X. *Decimum.*]

XX., within a laurel wreath; in the *exergue*, AQ. *(Aquileiæ)* or CONST. *(Constantinæ*—Arles), or LVG. *(Lugduno.) Obv.* CAESAR. Head of Constantius Gallus to r., bare. Æ. Med. (300 frcs.) Froehner *(Médaillons de l'Emp. Romain*, p. 319), suggests that the XX. on these medallions indicates the value of the pieces of which the weight equalled $\frac{1}{20}$th of the silver pound.

XX.—PXXT., SXXT., TXXT., QXXT., VXXT., VIXXT. *Prima, Secunda, Tertia, Quarta, Quinta, Sexta, XX. Tarraconæ*—on coins of Aurelian and Probus. "On the accession of Aurelian (A.D. 270—275) to the throne he attempted to remedy the disordered state of the coinage, and to restore it from its degraded state under Gallienus. His first object was to put an end to the continual fluctuations in the price of gold, caused by the quantity of base money which was issued from the Imperial mint. To effect this with as little injury as possible, he reduced the base *denarii* in circulation to the rate at which they then circulated, which appears to have been 500 or 525 to an *aureus*, and he consequently issued from the mint pieces equal to 20 or 21 of these copper *denarii* as equivalent to a *denarius* of account. The weight of the common copper and plated coins of Aurelian and his successors, which have XX. and XXI. in the *exergue*, varies from 56 to 66 grains, and consequently from twenty to twenty-one are equal to four of the large copper coins, or *sesterces*, of Alexander Severus and Gordianus III." (Finlay, *Greece under the Romans*, pp. 530, 531.) The numbers XX. and XXI. occur also on the coins of Probus, but the former was discontinued after his reign, whilst the latter occurs to the time of Constantine (Madden, *Num. Chron.*, N.S., 1862, vol. ii., pp. 242, 243, cf. p. 49; *Handbook of Rom. Num.*, p. 160.) [See VXXT., VXX. and *Tarraco, Karthago*, p. 911.]

XXI.—(1) with *Latin* letters—XXIP., XXIS., XXIT., XXIQ., XXIV., XXIVI., XXIVII.,—XXI, *Prima, Secunda, Tertia, Quarta, Quinta, Sexta, Septima*, or P., S., T., Q., V., VIXXI. *Prima. Secunda, Tertia, Quarta, Quinta, Sexta* XXI. (2) with *Greek* letters XXIA. B., Γ., Δ., Ϛ., S., Z., 1, 2, 3, 4, 5, 6, 7, or A., B., Γ., Δ., Ϛ. SXXI., 1, 2, 3, 4, 5, 6 XXI—on coins of Aurelian and Probus [XX.]

XXI., as a mark of value on the copper coins of the Vandals, without name of king (Sabatier, *Mon. Byz.*, vol. i., p. 221; Keary, *Num. Chron.*, N.S., 1878, vol. xviii., p. 142.)

XXV., as a mark of value, on the silver coins of the Vandal kings, in Africa (Friedlaender, *Münzen der Vandalen;* Sabatier, *Mon. Byz.*, vol. i., pp. 212—220; Keary, *Num. Chron.*, N.S., 1878, vol. xviii., pp. 137—149.)

XXX., as a mark of value, on a Romano-Campanian gold coin published by Riccio *(Le Mon. delle ant. fam. di Roma.* Supp., pl. lxvii., 7), Cohen (*Méd. Cons.*, p. 346, No. 10, pl. xliv., 10), Mommsen *(Mon. Rom.*, vol. i., p. 371), and Garrucci *(Sylloge*, p. 46, No. 5)*; but the piece is rejected as false by the Baron d'Ailly *(Recherches sur la Mon. Rom.*, vol. i., p. 194) an opinion upheld by M. Babelon *(Mon. de la Répub. Rom.*, vol. i., p. 24.)

XXX. *Tricennalibus*—VOT. XX. MVLT. XXX., VOT. XXX. MVLT. XXXX. [See X. *Decennalibus*, XX. *Vicennalibus.*]

XXX. *Tricesima, Tricesimo, Tricesimum*, and

similarly with the compounds of XXX. up to XXXIX. or XXXVIIII. [See X. *Decimum.*]

XXXV. *Quinque Tricennalibus*—VOT. XXXV. or VT.(for VOT.) XXXV.

XXXX. 40 *sesterces*—on the first gold coins struck for the Roman Republic at Capua in B.C. 217 [See XX., 20 *sesterces.*]

XXXX.—LEX XXXX.—on *sextans* of Pæstum Lucaniæ *(Cat. of Greek Coins in the Brit. Mus., Italy,* p. 281.)

XXXX. *Quadragennalibus*—VOT. XXX. MVLT. XXXX., VOT. XXXX. [See X. *Decennalibus,* XX. *Vicennalibus,* XXX. *Tricennalibus.*]

XXXX. *Quadragesima, Quadragesimo, Quadragesimum,* and similarly with the compounds of XXXX. up to XXXXVIIII. [See X. *Decimum.*]

XXXX. *(Quadragensuma)* REMISSA S. C. Triumphal arch, on which may be seen Galba in a *quadriga* crowned by Victory. *Obv.* SER. *(Servius)* GALBA IMP. CAESAR AVG. P. M. TR. P. P. P. Head of Galba to r., laureated; beneath, a globe. Æ. I. (250 frcs.) A similar type, but with two equestrian figures on the arch, and sometimes prisoners below, and with the legend QVADRAGENS. REMISSAE S. C. or QVADRAGENSVMA REMISSA S. C., occurs on his second brass coins (60 frcs.) These coins refer to the repeal of the imposts by Galba, of which no mention is made in history, except that it is recorded (Suet., *Vesp.,* 16) that Vespasian "not satisfied with reviving the imposts *which had been repealed in the time of Galba,* imposed new and onerous taxes," etc. The following brass coins of Galba also refer to the same remission—LIB. [or LIBERT.] AVG. R. XL. *(Remissa Quadragensuma)* S. C. Liberty standing to l., holding cap and sceptre (Æ. I. 50 frcs.; Æ. II. 15 frcs.); ROMA. R. XL. S. C. Rome, standing to l., leaning on a trophy, holding a Victory [or a statuette of Fortune or a laurel branch] and a spear surmounted by an eagle; sometimes at her feet a shield. Æ. I. (40 frcs.) [See pp. 671, 702.]

XL., as a mark of value, on the large copper coins of Zeno (Sabatier, *Mon. Byz.,* vol. i., p. 140, pl. viii., No. 11), and on the copper coins of the Ostrogoths without the name of the king (Sabatier, *Mon. Byz.,* vol. i., p. 210; Keary, *Num. Chron.,* N.S., 1878, vol. xviii., p. 162.)

XL. *Quadragensuma.*—R. XL. *Remissa Quadragensuma*—on coins of Galba. [XXXX. *(Quadragensuma)* REMISSA.]

XL. *Quadragesimo.*—LVGVDVNI. A. XL. *Anno Quadragesimo*—on silver *quinarii* of Mark Antony, struck in B.C. 43—42. The figures XL. here represent the *age* of Mark Antony at the time these coins were struck. [XLI.] The figures LII., on gold and silver coins of Julius Cæsar, also probably denote his *age.* (Madden, *Num. Chron.,* N.S., 1865, vol. v., pp. 5—8; De Salis, *Rev. Arch.,* 1866, vol. xiv., p. 17.)

XLI. *Quadragesimo et uno*—ANTONI. IMP. A. XLI. *Anno Quadragesimo et uno*—on silver quinarii of Mark Antony representing his *age.* [XL. *Quadragesimo.*]

XLII., as a mark of value, on the copper coins of the Vandals, without the name of the king (Sabatier, *Mon. Byz.,* vol. i., p. 221; Keary, *Num. Chron.,* N.S., 1878, vol. xviii., p. 142.)

XCVI., within a laurel wreath; sometimes with *exergual* letters AQ. *(Aquileiæ)* or T. *(Tarraconæ)*—on silver coins of Diocletian (20 frcs.), Constantius Chlorus Cæsar (20 frcs.), and Galerius Maximian Cæsar (30 frcs.), or VCVC *(sic)* on a silver coin of Constantius Chlorus Cæsar, from *Banduri, du Musée Farnese* (30 frcs.)—XCVI. in the *exergue* of a silver coin of Constantine I. Cæsar, with the legend CONSERVATOR KART. *(Karthaginis)* SVAE. (100 frcs.)—[See p. 911.] These coins were issued by Diocletian about A.D. 292 as "96 pieces to the pound of silver." This has been satisfactorily established by Marchant, Cavedoni, Pinder and Friedlaender, Mommsen, Blacas, and de Witte (Mommsen, *Mon. Rom.,* vol. iii., p. 74; vol. iv., p. 99.) In Cohen's 1st edition *(Méd. Imp.,* vol. v., p. 387) he argues against this interpretation because there are coins of Diocletian in the *Cabinet of Vienna,* and of Maximian, according to *Banduri,* with the figures XCVIII., which have been explained by Cavedoni *(Ann. Arch.,* 1860, p. 442) as XCVI. *Italicam* [*libram.*] The *errata* of Cohen, *(Suppl.,* vol. vi., p. 627) point out, however, that Eckhel and Banduri both misread these coins, a fact, as regards the Vienna one, confirmed by the late M. Arneth (Cavedoni, *Bull. dell 'Instit.,* 1863, p. 220; cf. Madden, *Num. Chron.,* N.S., 1865, vol. v., p. 76.) The editor of the 2nd edition of Cohen (vol. vi., p. 478) is not very clear in his remarks on the coins of Diocletian, and gives a coin of Maximian Hercules from *Banduri,* with XCVIII., which should be omitted.

Y.

Y. The letter Y was borrowed from the Greek alphabet in the time of Cicero in order to express more precisely the sound of *Upsilon.* Its introduction into the Latin alphabet was prior to that of Z, as shown by the arrangement of the final letters V X Y Z (Isaac Taylor, *The Alphabet,* vol. ii., p. 142.) This letter may be found on *denarii* of the *Quinctia* (B.C. 104), *Vibia* (B.C. 90), and *Publicia* (B.C. 79) *gentes* (Mommsen, *Mon. Rom.,* vol. ii., pp. 377, 378, 417, 466.)

YPSAE. *Ypsæus*—P. YPSAE. S. C. *Publius Ypsæus. Senatus Consulto,* or C. YPSAE. COS. PRIV. CEPIT. *Caius Ypsæus Consul Priverum Cepit,* on *denarii* of Publius Plautius Ypsæus, curule edile about B.C. 58, commemorating the military successes of his ancestor C. Plautius Ypsæus, consul, who took Priverum in B.C. 341 (Livy, vii., 27, viii., 1.) [PLAVTIA *gens.*] On other *denarii* his name is rendered *Hupsæus*—P. HVPSAE. AED. CVR. C. HVPSAE. [or HVPSAEV. or HVPSAEVS] COS. PREIV. [or PREIVE. or PREIVI. or PREIVER.] CAPT. [or CAPTV. or CAPTVM.] *Publius Hupsæus Ædilis Curulis. Caius Hupsæus Consul. Preiverum Captum.*

Z.

Z, the twenty-third and last letter of the Latin alphabet, being reintroduced from the Greek

alphabet in the time of Cicero for the transliteration of Greek words. (Isaac Taylor, *The Alphabet*, vol. ii., pp. 142—144.) The letter Z may be found on the *denarii* of the *Quinctia* and *Poblicia gentes* (Mommsen, *Mon. Rom.*, vol. ii., p. 177; p. 378, No. 186; p. 466, No. 255.) [See Y.]

Z, as a differential letter—7—SISC. P. Z. *Siscia Pecunia* or *Percussa* 7; S. M. A. Z. *Signata Moneta Antiochiæ* 7, etc.

ZA. *Zacynthus.* [*Zacynthus.*]

Zacynthus (Zante), an island in the Sicilian sea. The history of Zacynthus, illustrated numismatically, is given by Professor Gardner in the *Numismatic Chronicle*, 3rd ser., 1885, vol. v., pp. 81—107. One portion of its history falls in the time of Mark Antony and his General Sosius, B.C. 44—31, of whom there are the following coins:—

1. *Obv.* IMP. *(Imperator.)* Head of Mark Antony to r., bare. *Rev.* C. SOSIVS Q. *(Caius Sosius Quæstor.)* Eagle standing to r. on thunderbolt; in front, ZA. *(Zacynthus)* and a *caduceus*. Æ. II. (100 frcs.)

2. *Obv.* Head of Mark Antony to r., bare; behind, ZA. *(Zacynthus.)* *Rev.* C. SOSIVS IMP. *(Caius Sosius Imperator.)* Trophy between two captives. Æ. III. (100 frcs.)

3. *Obv.* Head of Apollo to r., laureated; behind, ZA. *(Zacynthus.)* *Rev.* C. SOSIVS COS. DESIG. *(Caius Sosius Consul Designatus.)* Tripod. Æ. III. (100 frcs.)

4. *Obv.* Head of Neptune to r., with diadem; behind, ZA. *(Zacynthus.)* *Rev.* C. SOSIVS COS. *(Caius Sosius Consul.)* Dolphin twined round trident. Æ. III. (100 frcs.)

No. 1 shows Sosius as *Quæstor* to Antony, and was probably struck about B.C. 38.

No. 2, on which Sosius is styled *Imperator*, refers to the assistance given by him to Herod in his attack on Jerusalem in B.C. 37, when Antigonus, the last of the Asmonæan princes, was defeated and captured. It is possible that the captive figures on this coin represent Judæa and Antigonus (Madden, *Coins of the Jews*, p. 99; the remarks given by me as to the attribution of these pieces to *Zabulon* must be withdrawn in favour of *Zacynthus.)*

On No. 3 Sosius appears as *Consul Designatus*, a title which he bore from the year B.C. 39 to B.C. 32, when he became *Consul*, as No. 4 testifies.

These coins belong to the *Antonia* and *Sosia gentes* (Babelon, *Mon. de la Répub. Rom.*, vol. i., pp. 181, 194; vol. ii., pp. 463—465.)

Prof. Gardner *(op. cit.)* publishes an autonomous coin of Zacynthus, which, from its type, shows obvious allusion to the augurate of Antony, and that Antony accorded to the island a certain degree of autonomy in return for favours rendered to Sosius.—*Obv. Lituus* and *Oenochoe*. *Rev.* ZA. within wreath. Æ. III.

Zante [*Zacynthus.*]

ZENO, Emperor of the East, A.D. 474—491, who was descended from an illustrious Isaurian family, was originally named Trassalisseus, which he changed for Zeno on his marriage, in A.D. 468, with Ariadne, daughter of the Emperor Leo I. and Verina [VERINA.] On the death of Leo I., in A.D. 474, with whom had been associated in the Empire his grandson Leo II., son of Zeno and Ariadne, Zeno conducted the government, his son being only a child, though taking the precedence, as testified by coins. The boy lived only a short time, and Zeno became sole Emperor. His reign was oppressive, and many revolts occurred. Verina, widow of Leo I., claimed the Empire, Zeno fled to Isauria, and Basiliscus, brother of Verina, was proclaimed Emperor in A.D. 476, but was deposed the following year. Zeno, on his restoration, showed no better qualities, and again rebellions were frequent. After a turbulent reign of seventeen years he died in A.D. 491, and was succeeded by Anastasius, who married his widow Ariadne. The following coins of Zeno are extant:—

LEO II. AND ZENO.

1. *Obv.* DN. *(Domini)* LEO ET ZENO PP. AVG. *(Perpetui Augusti.)* Helmeted bust, facing, of Leo II., with shield on which a horseman, and holding spear over r. shoulder. *Rev.* SALVS REIPVBLICAE I. or Θ. Leo II., and to the l. his father Zeno, both with *nimbus*, seated, facing; between their heads a cross, and above a star; in the *exergue* CONOB. *N.* (150 frcs.)

2. *Obv.* Same legend and type. *Rev.* VICTORIA AVGGG. *(Augustorum.)* Victory standing to l., holding a long cross; in the *field* a star; in the *exergue* CONOB. *N.* (150 frcs.)

3. *Obv.* Same legend. Bust of Leo II. to r., with diadem. *Rev.* VICTORIA AVGVSTORVM. Victory walking, holding wreath and globe; in the *field* a star. *N. Tremissis* (80 frcs.)

4. *Obv.* Same legend and type. *Rev.* Cross within a wreath; in the *exergue* CONOB. *N. Tremissis* (100 frcs.)

ZENO AND LEO II.

1. *Obv.* DN. *(Domini)* ZENO ET LEO. NOV. CAES. Bust of Zeno to r., with diadem. *Rev.* VICTORIA AVGVSTORVM. Victory standing to l., holding wreath and globe, surmounted by cross; in the *exergue* CONOB. *N. Tremissis* (75 frcs.)

2. *Obv.* ZENO ET LEO NOV. CAES. Head of Zeno to r., with diadem; in the *exergue* IIII. *Rev.* INVICTA ROMA. Victory walking to r., holding wreath and a trophy on left shoulder; in the *field* S. C.; in the *exergue* XL. Æ. I. (60 frcs.)

With respect to the letters NOV. CAES., some have considered them to stand for *Novus Cæsar*, but it is far more probable that the NOV. equals NOB., and should be interpreted *Nobilissimus*. A similar interchange of V and B may be found

on the gold coins of Theodosius II. and Marcian in the legend GLORIA ORVIS [ORBIS] TERRAR. Why, as Eckhel observes *(Doct. Num. Vet.*, vol. viii., p. 280) Zeno and Leo are called *Nobilissimi Cæsares*, when they were certainly *Augusti*, as testified by history and other coins, cannot be explained "*nisi constaret, de titulorum hac ætate confusione.*" Eckhel further gives a coin of Zeno—D. N. ZENO PERP. N. C., adding "*verum in aureo integerrimo musei Cæsarei est manifestum N.C. Ad hæc si Zeno et Leo simul sumpti potuere dici Nobilissimi Cæsares, nescio, cur non et Zeno solus.*" This coin, however, is not published by Sabatier *(Mon. Byz.)*

ZENO ALONE.

Obverse legend for *gold* and *silver* D. N. *(Dominus Noster)* ZENO PERP. [or PERPE.] *(Perpetuus)* AV. [or AVG.] *(Augustus)*. Principal reverse legends VICTORIA AVGGG. (*N*. 20 frcs.; *N. Semissis*, 70 frcs; *N. Tremissis*, 10 frcs.); VICTORIA AVGVSTORVM (*N. Tremissis*, 10 frcs.); SALVS REIPVBLICE *(sic)*. Monogram of Christ within a wreath (*N*. from *Mionnet*, 24 frcs.); *No legend*. Cross within a wreath (*N*. 8 frcs.) GLORIA ROMANORVM. Zeno standing facing; in the *exergue*, THCOB. (*R*. 100 frcs); TOV—VIMV—MTI. [for VOT. V. MVLT. X] within a wreath (*R*. 30 frcs.); *No legend*. Military figure; in the *field*, MD. *(Mediolani.)* Barbarous fabric (*R*. 60 frcs.); Military figure on the prow of a ship; in the *field*, RV. *(Ravennæ)* (*R*. 35 frcs.); Eagle to r. or to l. (*R*. 35 frcs.); Victory walking to l. (*R*. 60 frcs.) *Brass coins*—Obverse legends—IMP. *(Imperator)* ZEN. [or ZENO] FEL. [or FELIX] PERP. AVG. *(Perpetuus Augustus)*, or IMP. ZENO SEMPER AVG. *Rev.* INVICTA ROMA. Type as No. 2 of Zeno and Leo II. (Æ. I. 40 frcs.); *Obv.* D. N. ZENO PERP. AVGG. *Rev.* VICTORIA AVGG. (Æ. III. 15 frcs.); *Obv.* DN. ZENO P. F. *(Pius Felix)* AVG. *Rev.* No legend. Emperor standing (Æ. III. 20 frcs.); Monogram of Zeno within a wreath (Æ. III. 5 frcs.)

ZENOBIA *(Septimia)*, Queen of Palmyra, wife of Odenathus, and mother of Timolaus, Herennianus, and Vabalathus. [ODENATHVS; VABALATHVS.] Though claiming her descent from the Macedonian kings of Egypt, she is supposed by some Christian writers to have been a Jewess (Jost, *Geschichte des Israel*, vol. iv., p. 166; Milman Hist. of the Jews, vol. iii., p. 175; cf. Gibbon, *Rom. Emp.*, ed. Smith, vol. ii., p. 20, note a.) After the death of Odenathus (A.D. 266—267) Zenobia attempted to place under her sway Syria, Asia, and Egypt, and assumed the title of Queen of the East [BACIΛICCA on an inscription found in Palmyra, dated 582 of the Seleucidan era = A.D. 271, *Bull. de l'Athén. Franc.*, 1855, p. 36.] Aurelian made war with her, and defeated her at the battles of Daphne and Emesa. After the capture of this latter city, Zenobia fled to Palmyra, which was besieged by Aurelian. She attempted to escape, but was captured by the cavalry of Aurelian, and Palmyra soon afterwards surrendered. Zenobia—together with the Emperor Tetricus, who had given himself up to Aurelian at the great battle of Chalons, A.D. 274 [TETRICVS]—had to take a captive's part in the triumph of Aurelian, but afterwards (as well as Tetricus) was treated with great clemency, being allowed to pass the remainder of her life with her sons in a handsome villa at Tibur or Tivoli, which had been presented to her by her conqueror.

A full historical and numismatic account of Zenobia and the Princes of Palmyra has been written by Dr. von Sallet *(Die Fürsten von Palmyra unter Gallienus, Claudius, und Aurelian*, 1866), who, from coin-dates, inscriptions and ancient authors, has drawn up the following chronological table:—

A.D. 264—Odenathus conquers the Persians, and is recognised by Gallienus as ruler of the East.

266—267.—Odenathus and his son and co-regent Herodes are murdered by Mæonius.

266—267. (August 29.)—First year of the reign of Vabalathus, son of Odenathus and Zenobia. Under the reign of Claudius, Zabdas and Timagenes, the generals of Vabalathus and Zenobia, conquer the insurgent Egyptians. Homage rendered by the Egyptians to Vabalathus *Imperator*, the Deputy of the Emperor Claudius.

270 (Spring).—Aurelian *Augustus*. Recognition of Vabalathus in Syria and Egypt as *vir consularis Romanorum* IMperator DUX ROmanorum (Τραιανὸς ΑΥΤοκράτωρ Στρατηγὸς Ῥωμαίων.) Zenobia *Augusta*. Coins with heads of Aurelian and Vabalathus.

270 (August 29.)—Beginning of the fifth Egyptian year of the reign of Vabalathus; coins with his and Aurelian's head.

270—271 (August 29?)—Revolt of Vabalathus and Zenobia against Aurelian. Vabalathus assumes the title of *Augustus*. Alexandrian and Latin coins of Vabalathus with the title of *Augustus*. Alexandrian coins of Zenobia *Augusta*, who also assumes the title of Queen. Battles of Daphne and Emesa (Immæ?)

271. (Beginning of the Autumn.) Conquest of Egypt.

271. (In the second half of the year.) Conquest of Palmyra. Zenobia and Vabalathus taken prisoners. End of the Palmyrian rule. Revolt and conquest of Firmus in Egypt and of Achilleus (?) in Palmyra. Aurelian recognised as sole Emperor in Syria and Egypt.

The only genuine coins of Zenobia are Alexandrian ones, bearing the date L. Є. (year 5) of Vabalathus, and issued at the same time as the coins of Vabalathus *Augustus* with the same date. Other coins, namely—a silver medallion with L. Δ. (year 4) given by *D'Ennery*, a brass piece of Zenobia and Aurelian with no date in the *Mus. Theupoli*, a brass piece with date L. Z. (year 7) and ΠΑΛ. published by *Vaillant*, and a brass piece with ΑΠΟΛΛ. Γ., or remains of the legend ΤΡΙΠΟΛ ЄΙΤѠΝ and no date in the *Pembroke* collection—are false; and so is the *Latin* coin given by Cohen *(Méd. Imp.*, 2nd ed., vol. vi., p. 214) from *Tanini*. However, it is not impossible

that cotemporary with the *Latin* coins of Vabalathus *Augustus*, *Latin* coins of Zenobia *Augusta* were struck, but no genuine specimen has ever yet been seen.

The coins of Zenobia, as extant, are:—

1. *Obv.* CЄΠT. ZHNOBIA CЄB. Bust of Zenobia to r., with diadem. *Rev.* L. Є. (year 5). Female figure standing before an altar. *Pot.* (200 frcs.) (Mionnet, vol. vi., No. 3534.)

2. *Obv.* Same legend and type as No. 1. *Rev.* L. Є. Providence standing to l., raising r. hand, and holding a cornu-copiæ in her left. *Pot.* (200 frcs.) *(Cab. des Méd.*, Paris.)

3. *Obv.* CЄΠTIM. ZHNOBIA CЄB. Same type. *Rev.* L. Є. Same type as No. 2. *Pot.* (200 frcs.) *(British Museum.)*

4. *Obv.* Same legend and type as No. 3. *Rev.* L. Є. Spes walking to l., holding flowers in r. hand and raising her dress with left. *Pot.* (200 frcs.) *(Cab. des Méd.*, Paris; *British Museum.)*

5. *Obv.* CЄΠTIMIA ZHNOBIA CЄB. Same type as No. 1. *Rev.* L. Є. Same type as No. 4. *Pot.* (200 frcs.) *(Cab. des Méd.*, Paris.)

6. *Obv.* CЄΠTIM. ZHNOBIA CЄB. Same type as No. 1. *Rev.* L., Female bust (? Diana) to r.; before, a large crescent. *Pot.* (200 frcs.) *(British Museum.)*

This piece is described by von Sallet *(op. cit.)* with the obverse legend CЄΠT. ZHNOBIA CЄB. and so also by Cohen *(Méd. Imp.*, 1st ed., vol. v., p. 15[illegible]; 2nd ed., vol. vi., p. 215) but in both editions of Cohen the coin is engraved with the legend CЄΠTIM. ZHNOBIA CЄB. from the specimen in the British Museum. The letter (s) after L. Є. in the description of this coin in the second edition of Cohen should be omitted. Why the year date does not appear on this piece is curious, more especially as there is no mark of erasure visible on the coin.

ZENONIS *(Ælia)*, wife of Basiliscus, usurper of the Eastern throne A.D. 476—477, and brother of the Empress Verina, wife of Leo I. The title of *Augusta* was conferred upon her by her husband. Zeno sent her into exile with her husband and her son Marcus (of whom there are no coins), and they all perished of hunger in A.D. 477.

The following coins are in existence:—

1. *Obv.* AEL. ZENONIS AVG. Bust of Zenonis to r., with diadem, crowned by a hand from above. *Rev.* VICTORIA AVGGG. Victory walking to l., and holding a long cross; in the *field* to r., a star; in the *exergue*, CONOB. *N.* (400 frcs.)

2. *Obv.* Same legend and type. *Rev.* Monogram of Zenonis. Æ. III. (60 frcs.)

Zeugitana, a region forming the more northern part of the Roman province of Africa. After the fall of Carthage in B.C. 146, it was united with *Byzacium* in one province; this province was called *Africa*, and later *Africa vetus*, to distinguish it from other countries also annexed—*Emporia* and *Numidia* called *Africa Nova*. (Müller, *Num. de l'Anc. Afrique*, vol. ii., pp. 38—63, 65). Under the reign of Augustus Zeugitana formed the centre of a large province called *Africa* or *Libya*, which extended from the *Cyrenaica* to *Numidia occidentalis*. On the division of the provinces between Augustus and the Senate, in B.C. 27, Zeugitana fell to the latter, and was governed from this time by a Proconsul resident at Carthage, which had been rebuilt. In the 3rd century, when Africa was divided into several provinces, Zeugitana was constituted a separate province under the title of *Africa proconsularis*. (Müller, *op. cit.*, vol. ii., p. 65.)

Of the coast towns of this province the following issued coins:—*Carthago* (Roman colony), *Clypea*, *Hippo Diarrhytus*, and *Utica*.

CARTHAGO (Roman colony).

In B.C. 122, only twenty-four years after the destruction of Carthage, Caius Gracchus sent out a colony of 6000 settlers to found on the site of Carthage the new city of *Junonia*, but the project was annulled by the Senate. In B.C. 46 Julius Cæsar planned the restoration of Carthage and Corinth, but the former did not prosper till Augustus, in B.C. 27, sent 3000 colonists to found the new city, and from this time the colony grew so rapidly that when Strabo wrote (towards the end of the reign of Augustus) it was as flourishing and populous as any city in Africa. The Proconsul of the province resided there. After the death of Nero, in A.D. 68, Clodius Macer, governor of Africa, revolted and laid claim to the throne, but was very soon defeated and put to death by the procurator Trebonius Garucianus, acting under the orders of the Emperor Galba. Carthage continued to increase in prosperity, rivalling Rome and Constantinople. Ausonius *(Claræ Urbes*, II.) compares it with these cities:

> "*Constantinopoli assurgit Carthago priori*
> *Non toto cessura gradu, quia tertia dici*
> *Fastidit.*"

In A.D. 308 Alexander, who had been appointed by Maxentius, governor of Africa, usurped the purple, but was defeated in A.D. 311. [Rare gold, silver, and brass coins, with legend INVICTA ROMA FEL. [or FELIX] KARTHAGO, and in the *exergue* P. K. *Prima Karthaginі—see* pp. 34 and 911.]

Carthage was captured by Genseric in A.D. 439, and made the capital of the Vandal kings [silver coins of Hilderic with legend FELIX KARTC.; Vandal copper with KARTHAGO—see *Vandals*] till retaken by Belisarius, general of Justinian, in A.D. 533, and was finally taken and utterly destroyed by the Arabs in A.D. 647.

The following coins of Roman Carthage are in existence (Müller, *op. cit*, vol. ii., p. 149; Cohen, *Méd. Imp.*, 2nd ed., vol. i., pp. 23, 167, 208):—

Before the reign of Augustus.

Obv. ARISTO MVTVMBAL. RICOCE SUF. *(? Sufes* or *Sufetes).* Two heads, jugate, bare (? J. Cæsar and Augustus.) *Rev.* KAR. *(Karthago)* VENERIS. Tetrastyle temple of (?) Jupiter or of (?) Baal; on the pediment, an eagle. Æ. [*See* VENERIS KAR.]

During the reign of Augustus.

1. *Obv.* AVG . . . O C . . . Head of Augustus (?) to l., bare. *Rev.* . . . CAE. M. T. F. M. M. A. II. VIR. Head of Julius Cæsar (?) to r., bare. Æ. II.

2. *Obv.* C. I. C. D. D. P. P. Head of Augustus (?) to r., bare. *Rev.* . . . ON. M. T. F. M. M. . . . Head of Julius Cæsar (?) to l., bare. Æ. III.

Owing to the bad preservation of these coins the legend and types are not clear. The letters M. T. F. and M. M. A. on both pieces evidently present the initials of the same *duumviri*. The obverse legend of No. 2 is *Colonia Julia Carthago. Decreto Decurionum, Permissu Proconsulis.*

3. *Obv.* IMP. C. D. F. A. P. M. P. P. (*Imperator Cæsar Divi Filius Augustus Pontifex Maximus Pater Patriæ.)* Head of Augustus to r. or to l., bare. *Rev.* P. I. SP. D. V. SP. IIVIR. C. I. C. *(Publius Junius Spendo Decimus Valerius* (?) *Speratus Duumviri Coloniæ Juliæ Carthaginis).* In the *field*, P. P. D. D. *(Permissu Proconsulis, Decreto Decurionum.)* Æ. II.

4. *Obv.* TI. CAE. [or TI. CAE. A. F.] IMP. V. *(Tiberius Cæsar* [or *Tiberius Cæsar Augusti Filius*] *Imperator V.)* Head of Tiberius to r. or to l., bare. *Rev.* Same as No. 3. Æ. II.

Tiberius was *Imperator V.* in A. D. 10, and the coins (No. 4) were issued near the end of the reign of Augustus, who died in A.D. 14.

During the reign of Tiberius.

1. *Obv.* TI. CAESAR IMP. P. P. *(Tiberius Cæsar Imperator Pater Patriæ).* Head of Tiberius to l. *Rev.* L. A. FAVSTVS D. C. BASSVS IIVIR. Livia seated to r., holding a *patera* and a sceptre; in the *field*, P. P. D. D. Æ. II.

2. Same legend as No. 1. *Rev.* Same legend as No. 1. Three ears of corn bound together; in the *field*, P. P. D. D. Æ. III.

It will be seen that the title P. P. *(Pater Patriæ)* is given to Tiberius on these coins, whilst the historians Suetonius (in *Tib.* 26), Dion Cassius (lvii., 8; lviii., 12), and Tacitus (*Ann.* i., 72; ii., 87) state that he persistently refused this title, and Eckhel (*Doct. Num. Vet.*, vol. vi., p. 200) remarks that all his coins confirm the statements of the historians. It appears, however, from these pieces that the title was conferred upon Tiberius in Africa without his permission.

CLYPEA.

Clypea or Clupea, originally *Aspis* (Ἀσπίς), so called from its site on a hill of shield-like shape, was founded by Agathocles in B.C. 310, and after his departure was occupied by the Carthaginians. It was taken in the First Punic war by Manlius and Regulus B.C. 256, and in the Third Punic war was besieged by Calpurnius Piso, B.C. 148, who was repulsed. In Pliny's time *(Nat. Hist.*, v. 3) it was a free city. Ruins, including a Roman fort, are still in existence, and a small town bears at the present time the name of *Clybea* or *Kalibiah.*

The following coins are extant (Müller, *op. cit.*, vol. ii., p. 155; Cohen, *op. cit.*, vol. i., pp. 167, 208, 218):—

During the reign of Augustus.

Obv. AVGVSTVS IMP. *(Imperator).* Head of Augustus to l., bare; behind, a *simpulum* or *? lituus;* all within a laurel wreath. *Rev.* C. I. P. IIII. VIR. Mercury wearing winged *petasus*, seated on a rock to l., holding a *caduceus.* Æ. I.

The letters C. I. P. may be interpreted *Clypea Julia Pia*, or *Pulchra* or *Pacensis* (?) as the C. P. I. on coins of Tiberius, but Müller thinks that it seems more probable that they represent the initials of the names of the IIIIVIR *(Quatuorviri)* than those of the name of the colony.

During the reign of Tiberius.

1. *Obv.* TI. CAE. DIVI AVG. F. AVG. IMP. VIII. COS. IIII. Head of Tiberius to l., bare. *Rev.* PERMISSV L. [redacted] PROCOS. III. C. *(Curante)* SEX. POM. *(Pomponio)* CELSO. Mercury wearing winged *petasus*, seated on a rock to l., holding a *caduceus*; in the *field*, C. P. I. *(Clypea Pia* or *Pulchra* or *Pacensis ?)* Æ. I.

2. *Obv.* Same legend and type as No. 1. *Rev.* Same legend as No. 1. Livia seated to r., holding ears of corn and a sceptre; in the *field*, C. P. I. Æ. II.

3. *Obv.* Same legend and type as No. 1. *Rev.* PERMIS. P. DOLABELLAE PROCOS C. *(Curante)* P. G. CAS. [or P. GAVIO CASCA.] Same type as No. 2. Æ. II.

4. *Obv.* Same legend and type as No. 1. *Rev.* PERMIS. P. DOLABELLAE PROCOS. C. *(Curante)* P. G. CAS. D. D. *(Gavio Casca. Decreto Decurionum).* Same type as No. 1. Æ. Med.

5. *Obv.* Same legend and type as No. 1. *Rev.* PERMIS. P. CORNELI. DOLABELLAE PROCOS. C. *(Curante)* P. CAS. D. D. Same type as No. 1. Æ. Med.

6. *Obv.* Same legend and type as No. 1. *Rev.* PERMIS. P. DOLABELLAE PROCOS. C. *(Curante)* P. GAVIO CAS. Same type as No. 1. Æ. Med.

7. *Obv.* DRVSO CAESARI. Head of Drusus to l., bare. *Rev.* PERMISSV L. APRONI. PROCOS III. Bust of Mercury to r. or to l., with winged *petasus*; behind, a *caduceus.* Æ. II.

8. *Obv.* Same legend and type as No. 7. *Rev.* FERM. DOLABELLAE PROCOS. C. *(Curante)* L. G. CAS. Same type as No. 7. Æ. II.

The coins of L. Apronius PROCOS. III. were issued in A.D. 19, and of P. Cornelius Dolabella PROCOS. in A.D. 23–24.

HIPPO DIARRHYTUS.

Hippo Diarrhytus (Ἵππων Διάρρυτος) a Phoenician colony, founded by the Sidonians, and situated at the entrance of a large lake (Ἱππωνῖτις λίμνη), consequently being subject to frequent inundations, and hence its name διάρρυτος—intersected by streams—transformed by different authors to *Dirutus*, *Diaritus*, and *Zaritus*. It was fortified and provided with a new harbour by Agathocles, and is called *Hipponensis Colonia* by the younger Pliny *(Epist.* ix., 33.) Its coins bear the name *Hippone libera*. A small town called *Benizert* or *Bizerta* occupies the site.

The following coins are in existence (Müller, *op. cit.*, p. 167, vol. iii., p. 193; Cohen, *op. cit.*, vol. i., pp. 185, 210, 220):—

1. *Obv.* LIBERA. Head of Astarte to l., with diadem, and veiled. *Rev.* HIPPONE. Goddess (Thuro-Chusartis) standing, facing, with *modius* on head, holding in l. hand *caduceus* and two ears of corn. Æ.

2. *Obv.* HIPPONE. Head of Ceres to r., crowned with ears of corn. *Rev.* LIBERA. Head of Juno to r., with diadem. Æ.

3. *Obv.* HIPPONE. Warrior standing, leaning on his spear; at his feet a dog. *Rev.* LIBERA. Ceres, veiled, standing. Æ.

During the reign of Augustus.

Obv. CAESAR AVG: Head of Augustus to r., bare. *Rev.* HIPPONE LIBERA. Head of Caius and Lucius, facing each other, bare; to l., C.; to r., L. Æ. I.

During the reign of Tiberius.

1. *Obv.* TI. CAESAR DIVI AVGVSTI F. AVGVSTVS. Head of Tiberius to r., bare. *Rev.* HIPPONE LIBERA. Livia seated to r., holding *patera* and sceptre; in the *field*, IVL. AVG. Æ. I.

2. *Obv.* Same legend and type as No. 1. *Rev.* DRVSVS CAESAR. HIPPONE LIBERA. Head of Drusus to l., bare. Æ.

3. *Obv.* Same legend and type as No. 1; in front, *lituus*; behind, *simpulum*. *Rev.* L. APRONIVS. HIPPONE LIBERA. Head of Drusus to r., bare. Æ. II.

During the reign of Clodius Albinus.

Obv. IMP. CAES. D. CLO. SEP. ALB. AVG. *(Imperator Cæsar Decimus Clodius Septimius Albinus Augustus).* Head of Albinus to r., bare. *Rev.* HIPPONE LIBERA. Goddess seated to l.; holding *patera* and sceptre. Æ.

This coin, published by Müller after Mionnet *(Suppl.*, ix., p. 207, No. 9) is remarkable as no other coins were struck in the towns of the province of Africa after the reign of Tiberius. It is true that Albinus was of African origin, having been born at Hadrumetum, and that consequently a new right of coinage may have been permitted to Hippo; but it is not certain that the coin is genuine, and it is *not* mentioned by Cohen *(Méd. Imp.*, 2nd ed., vol. iii., p. 424.)

Its authenticity is perhaps confirmed by a brass coin in the Dresden Cabinet. This piece has on the obverse two heads facing, representing either Septimius Severus with one of his sons, or Macrinus with his son Diadumenianus, but the legend is very indistinct, so that it is not possible to determine with certainty. The reverse type is a vessel in full sail, and the legend LIBERA, a surname exclusively belonging to Hippo. Septimius Severus was born at Leptis, and Macrinus was a native of Cæsareia Mauretaniæ (Müller, *op. cit.*, vol. ii., p. 170.)

UTICA.

[*See Utica.*]

LUCIUS CLODIUS MACER.

Lucius Clodius Macer, who was appointed by Nero governor of Africa, revolted on the death of the Emperor in A.D. 68, but was soon subdued and executed by order of Galba.

The following coins are extant:—

A. *Without his head.*

1. *Obv.* L. CLODI. MACRI S. C. Female figure (Liberty) standing to l., holding a cap and a wreath or patera. *Rev.* LEG. I. (in *field*), LIB. MACRIANA (around). Roman eagle between two standards. Æ. (200 frcs.)

2. *Obv.* L. CLODI. MACRI. LIBERATRIX S. C. Head of Africa to r. *Rev.* Same legend and type as No. 1. Æ. (300 frcs.)

3. *Obv.* Same legend and type as No. 2. Sometimes two javelins behind the head of Africa. *Rev.* LEG. III. LIB. AVG. Roman eagle between two standards. Æ. (300 frcs.)

4. *Obv.* L. CLODI. MACRI. LIBERA S. C. Same type as No. 2. *Rev.* Same legend and type as No. 3. Æ. (300 frcs.)

5. *Obv.* L. CLODI. [or L. C.] MACRI. S. C. Head of lion to r. *Rev.* Same legend and type as No. 3. Æ. (300 frcs.)

6. *Obv.* L. CLODI. MACRI. S. C. Bust of Victory to r. *Rev.* Same legend and type as No. 3. Æ. (250 frcs.)

7. *Obv.* ROMA S. C. Head of Rome to r., helmeted. *Rev.* L. CLODI. MACRI. Trophy. Æ. (300 frcs.)

8. *Obv.* L. C. [or L. CLODI.?] MACRI. CARTHAGO S. C. Bust of Carthage to r., helmeted; behind, a cornu-copiæ. *Rev.* SICILIA. *Triquetra* with head of Medusa; between the three legs three ears of corn. Æ. (300 frcs.)

B. *With his head.*

Obv. L. CLODIVS MACER [or L. CLODI. MACRI.] S. C. Head of Clodius Macer to r., bare. *Rev.*

PROPRAE. AFRICAE [or PROPR. AFRCAE *sic*]. *(Proprætor Africæ).* Galley. *Æ.* (1500 frcs.)

The types of the coins of Clodius Macer show that he had the idea of again establishing the Republic, confirmed by the fact of his reviving the ancient title of *Proprætor*, for which Augustus had substituted that of *Proconsul*, and also by the letters S. C., *Senatus Consulto*, to mark that the supreme power rested with the Senate and not with one man alone. In spite, however, of his pretences in favour of a Republic, he did not object to place his portrait on some of his *denarii* (cf. Lenormant, *La Mon. dans l'Antiq.*, vol. ii., p. 339.)

ZIMISCES (Joannes I.), Emperor of Constantinople, A.D. 969—976, was descended from an ancient Armenian family. His surname Zimisces (Τσιμισκῆς) was given to him on account of his diminutive size. He attained the throne through the intrigues of the Empress Theophano by the murder of her husband Nicephorus; but he banished the Empress soon after his accession. He was a great general, and on returning from a war with the Arabs, he observed that the finest lands belonged to the eunuchs. Basilius, one of the principal officers of the household, was informed of this, and Zimisces, probably poisoned, expired shortly after his return in January A.D. 976.

The following coins are attributed to him:—(Sabatier, *Mon. Byz.*, vol. ii., pp. 141—144; Madden, *Christian Emblems on the Coins of Constantine I.*, etc., in the *Num. Chron.*, N.S., 1878, vol. xviii., pp. 169—215; Smith's and Cheetham's *Dict. of Christian Antiq.*, art. *Money*):—

1. *Obv.* +Θ ЄOTOC. ЬOIIΘ.ˢ IW.ˡ ЯЄSP. Bust of John I. Zimisces facing, holding in the left hand a long cross, and crowned by the Virgin with *nimbus* (half-length), above whom the letters MΘ; a hand descends from heaven over the Emperor. *Rev.* +IҺS. XPS. (Ἰησοῦς Χριστὸς) RЄX RЄ ϛNANTIЧ*M*. Bust of Christ with *nimbus* on cross facing, holding in one hand his robe, and in the other the Gospels. *Æ.* (35 frcs.) Obverse legend Θεοτόκε βοήθει Ἰωάννῃ δεσπότῃ, *Mother of God, help the despot John.*

2. *Obv.* ΘC Є. bΘ. ЏOIS bASILS. Bust of the Virgin with *nimbus* facing, holding on her chest a medallion of Christ on the cross; on either side M·P—ΘV. *Rev.* +*M*ЄЯΘЧ—DЄDOZASM—OIIS SЄ ЄL ΠIZWҺOЧ—CAΠOЏ ·K· in five lines. *Æ.* (250 frcs.)

The obverse legend is Θεοτόκε βοήθει τοῖς βασιλεῦσι, *i.e.*, *Mother of God, help the Kings*, and probably refers to John Zimisces in association with the two sons of Romanus II.—Basil II., and Constantine XI. The reverse legend is more difficult, and has been variously interpreted. M. de Saulcy, who published this coin *(Essai de Class. des Suites Mon. Byz.*, p. 244, pl. xxii., No. 1) explained it as "Μήτηρ Θεοῦ δεδοξασμένη ὃ εἰς σε ἐλπίζων οὐκ ἀποτυγχάνει, ou bien encore οὐκ ἄστομοι χαίρεσται; *Mère de Dieu, pleine de gloire, celui qui met en toi son espérance n'échoue jamais dans ses projets*, ou bien *n'est jamais malheureux, mais est comblé de biens*," the latter reading being adopted by M. Sabatier *(Mon. Byz.*, vol. ii., p. 141.) Both authors transcribe the last line of the legend as CAΠOT·X·, and both engrave a X as the final letter. Mr. Grueber, of the Coin Department, British Museum, who had the cast made for me from the impression, seemed to think there was little doubt of the last letter being a X, and in this case the only reading that suggested itself was ἀποτεύξεται Χριστοῦ. Not, however, feeling quite satisfied about it, I sent the cast to Dr. Babington, who, rejecting De Saulcy's reading as untenable, thinks that the last letter is a K and *not* a X, and that it should be interpreted Κυρίου, this being somewhat more in accordance with Biblical usage than Χριστοῦ would be. If this view be correct, the last line of the inscription is CAΠOЏ·K·, and the whole legend may be read Μῆτερ Θεοῦ δεδοξασμένη ὃ εἰς σε ἐλπίζων οὐκ ἀποτεύξεται Κυρίου, *O glorified Mother of God, he that trusteth in thee shall not fail of the Lord.*

3. *Obv.* +IWAҺҺ—ЄҺ· XW· AVЏO—CPAT. ЄVSЄb—bASILЄVS—ЄWMAIW, in five lines. *Rev.* + IҺSЧS XPISЏЧS ҺICA +. Cross bearing the portrait of John Zimisces, with the letters IW—AҺ. *Æ.* (25 frcs.)

Obverse legend Ἰωάννης ἐν Χριστῷ αὐτοκράτωρ εὐσεβὴς βασιλεὺς Ῥωμαίων John in Christ, ruler, pious king of the Romans.

4. *Obv.* Monogram, forming the letters IWANϒ. *Rev.* Monogram forming the letters ΔЄCПϒT. Æ. (30 frcs.)

Letters IC—XC (Ἰησοῦς Χριστός) *in the field. Bust of Christ facing on a cross with nimbus.* This type first appears on the brass coins of John I. Zimisces, but [redacted]ases with the addition of the words ЄMMANOVHA, and on the reverse the legend +IҺSЧS XRISTЧS bASILЄЧ bASILЄ. The attribution of these anonymous pieces to John Zimisces is founded on a passage of Scylitzes and Cedrenus, where it is said that "the Emperor ordered to be placed upon the coins the image of the Saviour, which had not been done before; and on the other side *Latin* letters forming the sentence IESVS CHRISTVS REX REGVM" (Eckhel, *Doct Num. Vet.*, vol. viii., p. 250; Sabatier, *Mon. Byz.*, vol. ii., p. 143), but this account can only refer to these *copper* coins, as the bust of Christ occurs on coins of all three metals of an earlier date (Madden, *op. cit.*) Brass coins are also attributed to him representing Christ with *nimbus crucigr*, seated, facing, with the legend +IS XC bASILЄ bASILI, or bust of Virgin with *nimbus* facing and hands raised, and the letters MR. ΘЧ. (Μήτηρ Θεοῦ.)

To the reign of John Zimisces is attributed by Eckhel *(Doct. Num. Vet.*, vol. viii., p. 251) a curious brass coin or medal which Tanini (p. 280) had given to Constantine I., of which the following is a description:—

Obv.—Protome adversa nimbata servatoris prominentibus pone crucis radiis. Rev. ANACTACIC. *Templum rotundum, hinc et illinc miles excubitor humi jacens. Æ.* II.

It at one time caused considerable discussion, (see *H. Valesii Epistola de Anastasi et Martyrio Hierosolymitano*, in Eusebius, *Vita Const.*, ed. Heinichen, p. 501, Lips. 1830), and the temple on it has been supposed to represent the church built by Constantine I. the Great over the Sepulchre at Jerusalem from which Christ arose (τῆς σωτηρίου ΑΝΑΣΤΑΣΕΩΣ μαρτύριον, Euseb. *Vit. Const.*, iii., c. 28, 29 *seq.*; *Orat. de laud. Const.*, c. 9.), and hence the name of *Anastasis*, *i.e.*, Resurrection, and the orthodox Greek Church commemorate the dedication of the Church of the *Anastasis* by Constantine the Great (Ἐγκαίνια τοῦ Ναοῦ τῆς ἁγίας τοῦ Χριστοῦ καὶ Θεοῦ ἡμῶν ΑΝΑΣΤΑΣΕΩΣ), on September 13th. (Arch. Cheetham, Smith's and Cheetham's "*Dict. of Christ. Antiq.*," *s. v.* "*Anastasis.*") But, as Eckhel has remarked, why go to *Jerusalem* for this church, when Sozomen relates (*Hist. Eccles.*, vii., c. 5) that Gregory of Nazianzen preached at *Constantinople* in a dwelling which had been altered into a house of prayer, and which, subsequently, became one of the most remarkable in the city by the magnificence of its decorations and the special revelations which were there vouchsafed by the grace of God. Sozomen adds that "the name of *Anastasia* was given to this church (ΑΝΑΣΤΑΣΙΑΝ δὲ ταύτην τὴν ἐκκλησίαν ὀνομάζουσιν), because (as he believed) the Nicene doctrines which were buried beneath the errors of heterodoxy at Constantinople, were here brought to light (ἀνέστη) and maintained by Gregory," whilst others, he says, "ascribe the origin of this name to a miracle, and relate that one day, when the people were met for prayer, a pregnant woman fell from the highest gallery and was found dead, but that at the prayer of the whole congregation she was restored to life, and she and her infant were saved."

Whatever may be the interpretation of the legend, I must add that no specimen of this piece is in the British Museum: that no mention is made of it either by De Saulcy or Sabatier, and that it does not seem to me to be above suspicion.

From a representation of this piece in Mamachi (*Orig. et Ant. Christ.*, vol. i., p. 287, ed. Matranga, Rom. 1841), with a drawing of which I have been favoured by Dr. Babington, it would seem that this is a *medal*, and certainly of much later date than the time of Constantine. It was formerly in the Vettori Museum. Another medal given by the same author (vol. i., p. 240) has a similar bust of Christ on the obverse, but on the reverse the legend REDEMTIO FILIIS HOMINVM — IORDA (in *exergue*), and the type the baptism of Christ by John. De Rossi (*Bullett. di Arch. Crist.*, 1869, p. 58) thinks that the ANACTACIC medal was made to be bought by the pilgrims as souvenirs of their visit to the Church of the Holy Sepulchre at Jerusalem, and evidently considers it mediæval, but says that both it and the IORDA medal are "non meno incerte ed enigmatiche" than the Pasqualini medal (Madden, *op. cit.*) The "Jordan medal" is now in the Vatican, and De Rossi confesses that he cannot form in his mind "un giudizio sull' età e sull' arti di questa medaglie"—in fact, he rather suspects its genuineness.

During the same reign some brass coins or tokens, which have been published by Dr. Friedlaender (*Numismatische Zeitschrift*, Vienna, vol. ii., 1870), were issued, (1) having on the obverse the bust of Christ, with *nimbus* and the letters IC—XC, and on the reverse the legend ΘΩΔΑΝ—ΕΙΖΕΙΤΟΥ—CΠ ϹΝΗΤΑϹ—ΟΤΡΕΦΩΝ, and (2) on the obverse ΔΑ—ΝΕΙΖΕΙ—ΘΕΩ, and on the reverse ΟΕΔΕ—ΩΝΠΤΩ—ΧΟΝ, which may be interpreted, Θεῷ δανείζει τοὺς πένητας ὁ τρέφων and δανείζει Θεῷ ὁ ἐλέων πτωχὸν (*He that hath pity upon the poor lendeth unto the Lord.*) Both are translations of the same Hebrew verse (Prov. xix. 17), and the latter is the exact translation of the LXX. The first piece is in the collection of Prince Philip of Saxe-Coburg, the second in the Museum at Basle. Dr. Friedlaender remarks, "It is curious that the coins of the smallest value are always those which remind the possessor to give them to the poor."

Zodiac. "The *Ecliptic* (or great circle which the sun describes in virtue of his proper motion) has been divided by astronomers from time immemorial into twelve equal parts called *Signs*. The names are *Aries, Taurus, Gemini, Cancer, Leo, Virgo, Libra, Scorpio, Sagittarius, Capricornus, Aquarius, and Pisces.* In each of these signs the ancients formed groups of stars, which they denominated *Zodiacal constellations* (ζώδια, *animals*), not confined to the ecliptic, but included within an imaginary belt, extending 9° on each side of it, to which they gave the name of *Zodiac* (ζωδιακὸς κύκλος, *circle or zone of the animals.*) (*Encyc. Brit.*, 9th ed., art., *Astronomy*, vol. ii., p. 771.)" The Roman inferiority to the Greeks in the science of Astronomy is fully recognised by the Latin writers (Virg. *Æn.* vi., 848; Seneca, *Nat. Quæst.*, vii., 25), and while the astronomical science of the Greeks was in its infancy, that of the Romans had no existence (Sir G. C. Lewis, *An historical survey of the Astronomy of the Ancients*, 1862.)

The Zodiac is represented on several Greek Imperial coins (Alexander Severus—*Perinthus*; Julia Mæsa—*Amastris*; Valerian—*Ægæ*; Eckhel, *Doct. Num. Vet.*, vol. ii., pp. 40, 386, vol. iii., p. 37); and on Alexandrian coins of Antoninus Pius (Eckhel, *op. cit.*, vol. iv., p. 70; Head, *Hist. Num.*, p. 721.) It may also be found on the following Roman coins:—

HADRIAN.

Obv. IMP. CAESAR TRAIAN. HADRIANVS AVG. Bust of Hadrian to r., laureated. *Rev.* SAEC. AVR. (*Sæculum aureum* in the *exergue*) P. M. TR. P. COS. III. (*around.*) Male figure (? Trajan deified or Hadrian with the attributes of Eternity) half naked, standing to r., within a circular or oval band or zone, on the outer side of which are the signs of the Zodiac; his r. hand rests on the zone and his l. holds a globe, on which is a phœnix. *Æ.* (100 frcs.)

Cohen *(Méd. Imp.*, 1st ed., vol. ii., p. 157; 2nd ed., vol. ii., p. 216) describes the zone as "*une guirlande ovale*," but this piece is described in the "Pembroke Sale Catalogue," p. 135, as bearing the signs of the Zodiac, and traces of it can be seen on the specimen in the British Museum (Madden, *Num. Chron.*, N.S., 1862, vol. ii., p. 49.)

ANTONINUS PIUS.

1. *Obv.* ANTONINVS AVG. PIVS. P. P. Head of Antoninus Pius to r. or to l., laureated. *Rev.* ITALIA (in the *exergue*) TR. POT. COS. III. [or IIII.] S. C. Italy, laureated, seated to l., on a globe, around which is the Zodiac. Æ. I. (12 frcs.)

2. *Obv.* ANTONINVS AVG. PIVS P. P. TR. P. COS. IIII. Bust of Antoninus Pius to r., laureated. *Rev.* No legend. The Earth *(Tellus)* seated to r., leaning against a bull lying down, and holding a cornu-copiæ. Four infants (the Seasons) are grouped around her, one is seated on her knees, another (Summer) holds a sickle; behind her a plough; above, a half circle of the Zodiac. Æ. Med. (500 frcs.)

COMMODUS.

Obv. M. COMMODVS ANTONINVS PIVS FELIX AVG. Bust of Commodus to r., laureated. *Rev.* COS. VI. P. P. The Sun radiated, standing, holding a whip and about to get into a *quadriga*, which is raising itself to r. on the waves of the sea; in front, the star of the morning *(Phosphorus)*; above, a portion of the Zodiac; to the r. the Earth *(Tellus)* lying to l., holding ears of corn and cornu-copiæ. Æ. Med. (500 frcs.)

A similar type, but *without the Zodiac*, occurs on the brass medallions of Antoninus Pius (Cohen, *Méd. Imp.*, 2nd ed., vol. ii., p. 381; Froehner, *Médaillons de l'Empire Romain*, p. 72.)

ELAGABALUS.

Obv. IMP. CAES. M. ANTONINVS. AVG. Head of Elagabalus, laureated. *Rev.* COL. PTOL. *(Colonia Ptolemais)*. Diana *Venatrix* standing to r., in a distyle temple; the whole surrounded by the signs of the Zodiac. Æ. II.

Struck at Ptolemais Galilææ. The same type occurs on the second brass of Valerian I.

CONSTANTINE I.

Obv. CONSTANTINVS P. F. AVG. Head of Constantine I. to r., laureated. *Rev.* RECTOR TOTIVS ORBIS. The Emperor seated to l. on arms, holding in r. hand the Zodiac and in l. a *parazonium*; behind, a Victory standing, holding a palm branch, and crowning him; in the *exergue*, S. M. T. *(Signata Moneta Thessalonicæ)*. *N.* (800 frcs.)

This unique coin is in the British Museum, and has been historically illustrated by the present writer *(Num. Chron.*, N.S., 1862, vol. ii., pp. 48—60.) It was struck in A.D. 323, thirty-seven years after Diocletian had first divided the Empire, and when Constantine I. was entitled to inscribe on his coins that he was "sole master of the whole [Roman] world."

CONTORNIATES.

1. *Obv.* DIVO TRAIANO AVGVSTO. Bust of Trajan to r., laureated. *Rev.* No legend. Shield on which the head of the Sun and Moon, surrounded by the Zodiac; a male figure seated; behind, a statue of Minerva. Æ. (Eckhel, *Doct. Num. Vet.*, vol. viii., p. 308.)

2. *Obv.* IMP. CAES. FL. CONSTANTINO MAX. P. F. AVG. Head of Constantine to the right, laureated, and with *paludamentum*, surrounded by the twelve signs of the zodiac. *Rev.* S. P. Q. R. *(Senatus Populusque Romanus)* QVOD INSTINCTV DIVINITATIS MENTIS MAGNITVDINE CVM EXERCITV SVO TAM DE TYRANNO QVAM DE OMNI EIVS FACTIONE VNO TEMP *(ore)* IVSTIS REMP *(ublicam)* VLTVS EST ARMIS ARC *(um)* TRIVMPHIS INSIGNEM DICAVIT, within a laurel wreath. Æ. 14¼.

The reverse of this remarkable piece of the contorniate style is taken from the famous inscription on the arch of Constantine, dedicated in A.D. 315, placed thereon to commemorate the defeat of Maxentius *(tyrannus)* in A.D. 312, and which reads as follows (Orelli, *Inscr.*, No. 1075):—

IMP. CAES. FL. CONSTANTINO MAXIMO
P. F. AVGVSTO S. P. Q. R.
VOTIS X QVOD INSTINCTV DIVINITATIS MENTIS SIC X
MAGNITVDINE CVM EXERCITV SVO
TAM DE TYRANNO QVAM DE OMNI EIVS
VOTIS XX FACTIONE [illegible] TEMPORE IVSTIS SIC XX
REMP[illegible]AM VLTVS EST ARMIS
ARCVM TRIVMPHIS INSIGNEM DICAVIT
LIBERATORI VRBIS [illegible] FVNDATORI QVIETIS

It appears to have been first published by Banduri (vol. ii., pp. 256, 279), but was condemned by Eckhel though he had not seen it. *("Qualicunque dicatur, mihi opus antiquum non videtur." Doct. Num. Vet.*, vol. viii., p. 88.) It was at one time in the collection of Sir Andrew Fountaine, and from thence passed into that of the Earl of Pembroke. The compiler of the "Pembroke Sale Catalogue" (p. 297) in a lengthy note vindicated its authenticity, supposing it to have been "a ticket of admission" issued on the occasion of the dedication of the arch of Constantine, but whether it *sold* as a genuine piece I am unable to say. Cavedoni *(Ricerche*, p. 21), did not accept it as genuine; and Cohen *(Méd. Imp.*, vol. vi., p. 582) has not admitted it *tant il paroît suspect*.

As regards the inscription on the arch, it has been by some stated (Guattini, *Monumenti Antichi di Roma*, p. xciv., 1789; *Roma Descritta*, p. 42, 1805; Henzen, *Suppl. ad. Orell.*, vol. iii., p. 113) that the words INSTINCTV DIVINITATIS appear to have been written *over* the effaced words NVTV IOVIS O. M., or perhaps DIIS FAVENTIBVS; but Garrucci quite sets this question at rest by stating *(Num. Cost.*, 2nd ed., p.

245; *Rev. Num.*, 1886, p. 96), from personal inspection, that the marble was not lower in the portion where these words occur than in other parts, nor are the letters themselves confused, nor are there indeed any traces of letters to be seen that could have been previously engraved. The Padre Mozzoni assured Cavedoni *(Ricerche,* p. 21, *note*) that the words INSTINCTV DIVINITATIS were the original. Cf. De Rossi, *Bullet. d'Arch. Crist.*, 1863, Nos. 7 and 8.

I may add that Constantine himself, in his "Oration to the Assembly of the Saints," speaks of his services as owing their origin to the *inspiration of God* ('Εξ ἐπιπνοίας θεοῦ τὴν ἀρχὴν ἔχουσαν ἀρ' οὐ τῆς ἐμῆς ἀνδραγαθίας τὸν θεὸν αἴτιον εἶναι διαβεβαιοῦνται. *Ap. Euseb.*, c. 26), whilst both Constantine and Licinius gave thanks to the Deity *(Divinitas)* and to God *(Deus)* for the victories that they had gained over Maxentius. Cavedoni *(Ricerche,* p. 21, *note*) notices that Constantine is called *Divino monitus instinctu* by his anonymous panegyrist (viii., c. 11), and by Nazarius *(Paneg.*, ix., c. 17; cf. 12, 13) as governing *Divino instinctu*. For further particulars see Madden, *Christian Emblems on the Coins of Constantine I.*, etc., in the *Num. Chron.*, N.S., 1877, vol. xvii., pp. 11—56, 242—307; 1878, vol. xviii., pp. 1—48, 169—215; Smith's and Cheetham's *Dict. of Christian Antiq.* art. *Money*.

ZOE, surnamed Carbonopsina, fourth wife of Leo VI., the Philosopher, Emperor of Constantinople A.D. 886—911. She survived her husband, and her portrait may be seen on coins struck by her son Constantine X. Porphyrogenitus, A.D. 913—919, of which the following is a description:—

1. *Obv.* COhSЏAhЏ ,Ҫ ZIWH ЄH XW B.' E.' Busts facing and with diadem of Constantine X. and his mother Zoe, holding between them a long cross. *Rev.* +IhS. XPS. ('Ιησοῦς Χριστὸς) REX ReϚNANTIVM. Christ with *nimbus* on cross, seated facing, giving the benediction with the r. hand raised, and holding in the left the Gospels. *N.* (200 frcs.)

Obverse legend Κωνσταντῖνος καὶ Ζωὴ ἐν Χριστῷ βασιλεῖς 'Ρωμαίων, *Constantine and Zoe in Christ, kings of the Romans.*

2. +COhSЏAhЏ CЄ ZOH b. Same type as No. 1. *Rev.* +COhS—ЏAhTINO—CЄ ZOH bA —SILIS ROMЄOh in five lines. Æ. (3 frcs.)

Obverse legend Κωνσταντῖνος καὶ Ζωὴ βασιλεῖς. Reverse legend Κωνσταντῖνος καὶ Ζωὴ βασιλεῖς 'Ρωμαίων.

There were several other Empresses of Constantinople named Zoe, notably Zoe, daughter of Stylianus, and second wife of Leo IV.; and Zoe, daughter of Constantine XI. Porphyrogenitus, and wife of (1) Romanus III. Argyrus, A.D. 1028—1034, (2) Michael IV., the Paphlagonian, A.D. 1034—1041, and (3) Constantine XII. Monomachus, A.D. 1042—1055; but of these there are *no coins*.

CORRIGENDA.

Page 830, 2nd col., line 20 from bottom, for *Triumviri* read *Duumviri*.
Page 864, 1st col., line 21 from top, for vol. v., p. 3, *read* p. 111.

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